

Search: Lactic acid and metabolism

Open Task started on Thu Jul 12, 2007 at 9:25 AM

Opened File: J:\scifinder searches\Structures\Lactic acid structures.sfr

Description:

Explore by Substance Identifier started at: Mon May 31, 1999 at 5:20 PM

Explored by Substance Identifier in REGISTRY.

REGISTRY Answers

1 for 50-21-5_RN:50-21-5_

1 for 10326-41-7_RN:10326-41-7_

1 for 79-33-4_RN:79-33-4_

1 for 598-82-3_RN:598-82-3_

Copyrights:

CAPLUS: Copyright 1999 ACS

REGISTRY: Copyright 1999 ACS

CASREACT: Copyright 1999 ACS

CHEMCATS: Copyright 1999 ACS

CHEMLIST: Copyright 1999 ACS

Get References started for 50-21-5_RN:50-21-5_

57829 references were found for 50-21-5_RN:50-21-5_ in CAPLUS

Refine by Publication Year started

3692 references were found when refined by Publication Year **"2006-2007"**

Research Topic Refine started

768 references were found when refined using the phrase **"metabolism"**

Copyrights:

CAPLUS: Copyright © 2007 American Chemical Society. All Rights Reserved. (The UK patent material in this product/service is UK Crown copyright and is made available with permission. © Crown Copyright. The French (FR) patent material in this product/service is made available from Institut National de la Propriete Industrielle (INPI).)

REGISTRY: Copyright © 2007 American Chemical Society. All Rights Reserved. (Some records contain information from GenBank(R). See also: Benson D.A., Karsch-Mizrachi I., Lipman D.J., Ostell J., Rapp B.A., Wheeler D.L. Genbank. Nucl. Acids Res. 28(1):15-18 (2000). Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.) CAS Registry is a service mark of the American Chemical Society.

CASREACT: Copyright © 2007 American Chemical Society. All Rights Reserved. (In addition to reactions indexed by CAS, CASREACT contains reactions derived from the following sources: ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.)

CHEMLIST, CHEMCATS: Copyright © 2007 American Chemical Society. All Rights Reserved.

Vaidyanathan, Seetharaman; Goodacre, Royston. **Quantitative detection of metabolites using matrix-assisted laser desorption/ionization mass spectrometry with 9-aminoacridine as the matrix.** Rapid Communications in Mass Spectrometry (2007), 21(13), 2072-2078. CODEN: RCMSEF ISSN:0951-4198. AN 2007:739285 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tada, Tomonori. **Dietary supplement gel for pet containing champignon extract and electrolyzed water.** Jpn. Kokai Tokkyo Koho (2007), 7pp. CODEN: JKXXAF JP 2007159403 A 20070628 AN 2007:694416 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Mortensen, Stefan P.; Gonzalez-Alonso, Jose; Damsgaard, Rasmus; Saltin, Bengt; Hellsten, Ylva. **Inhibition of nitric oxide and prostaglandins, but not endothelial-derived hyperpolarizing factors, reduces blood flow and aerobic energy turnover in the exercising human leg.** Journal of Physiology (Oxford, United Kingdom) (2007), Volume Date 2006, 581(2), 853-861. CODEN: JPHYA7 ISSN:0022-3751. AN 2007:678047 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Porro, Danilo; Branduardi, Paola; Mattanovich, Diethard; Sauer, Michael. **Increased stress tolerance by recombinant yeasts that are engineered for enhanced endogenous ascorbate production.** U.S. Pat. Appl. Publ. (2007), 37pp., Cont.-in-part of U.S. Ser. No. 105,162. CODEN: USXXCO US 2007141687 A1 20070621 AN 2007:675267 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Jordan, Kate W.; He, Wenlei; Halpern, Elkan F.; Wu, Chin-Lee; Cheng, Leo L. **Evaluation of tissue metabolites with high resolution magic angle spinning MR spectroscopy human prostate samples after three-year storage at -80° C.** Biomarker Insights (2007), 147-154. CODEN: BIINHJ ISSN:1177-2719. AN 2007:647785 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Oe, Masatake; Imaizumi, Toru; Hanzawa, Satoshi. **Regulation of carbon source for enhanced manufacture of carotenoid with Paracoccus.** Jpn. Kokai Tokkyo Koho (2007), 18pp. CODEN: JKXXAF JP 2007143491 A 20070614 CAN 147:8602 AN 2007:637716 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Amaretti, Alberto; Bernardi, Tatiana; Tamburini, Elena; Zanoni, Simona; Lomma, Mariella; Matteuzzi, Diego; Rossi, Maddalena. **Kinetics and metabolism of Bifidobacterium adolescentis MB 239 growing on glucose, galactose, lactose, and galactooligosaccharides.** Applied and Environmental Microbiology (2007), 73(11), 3637-3644. CODEN: AEMIDF ISSN:0099-2240. AN 2007:636771 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Rivas, Beatriz; Torrado, Ana; Rivas, Sandra; Moldes, Ana Belen; Dominguez, Jose Manuel. **Simultaneous lactic acid and xylitol production from vine trimming wastes.** Journal of the Science of Food and Agriculture (2007), 87(8), 1603-1612. CODEN: JSFAAE ISSN:0022-5142. CAN 147:51658 AN 2007:627684 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Onodera, Kengo; Masuno, Tomohiko; Hirakawa, Keiko; Aiboshi, Junichi; Uekusa, Kyoko; Koike, Kaoru; Ohno, Youkichi; Yamamoto, Yasuhiro. **The effect of liposome-encapsulated hemoglobin for intestinal oxygen metabolism following hemorrhagic shock.** Nippon Ika Daigaku Igakkai Zasshi (2007), 3(2), 89-95. CODEN: NIDIB3 ISSN:1349-8975. CAN 147:23134 AN 2007:614016 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhao, Xiaodong; Liang, Huaping; Meng, Haidong; Yao, Yongming; Yan, Ruimin; Deng, Qun; He, Zhongjie; Zhang, Lianyang. **Effect of intensive insulin therapy on cerebrospinal fluid lactic acid metabolism in patients with severe head injury.** Di-San Junyi Daxue Xuebao (2006), 28(6), 559-561. CODEN: DYXUE8 ISSN:1000-5404. AN 2007:598053 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Regula, Agata. **The effect of different starter cultures on the lactose, D-galactose and lactic acid isomers in fermented beverages from ewe's milk.** Milchwissenschaft (2007), 62(2), 142-145. CODEN: MILCAD ISSN:0026-3788. CAN 146:499649 AN 2007:597070 CAPLUS (Copyright (C))

2007 ACS on SciFinder (R))

Ross, Keri Lyn; Tu, Travis T.; Smith, Sean; Dalluge, Joseph J. **Profiling of Organic Acids during Fermentation by Ultraperformance Liquid Chromatography-Tandem Mass Spectrometry.** Analytical Chemistry (Washington, DC, United States) (2007), 79(13), 4840-4844. CODEN: ANCHAM ISSN:0003-2700. CAN 146:520261 AN 2007:575312 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Song, Ke-Dong; Liu, Tian-Qing; Li, Xiang-Qin; Cui, Zhan-Feng; Sun, Xiang-Yu; Ma, Xue-Hu. **Three-dimensional expansion: in suspension culture of SD rat's osteoblasts in a rotating wall vessel bioreactor.** Biomedical and Environmental Sciences (2007), 20(2), 91-98. CODEN: BESCE5 ISSN:0895-3988. CAN 147:58204 AN 2007:571315 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Shibakusa, Tetsuro; Mizunoya, Wataru; Okabe, Yuki; Matsumura, Shigenobu; Iwaki, Yoko; Okuno, Alato; Shibata, Katsumi; Inoue, Kazuo; Fushiki, Tohru. **Transforming growth factor- β in the brain is activated by exercise and increases mobilization of fat-related energy substrates in rats.** American Journal of Physiology (2007), 292(5, Pt. 2), R1851-R1861. CODEN: AJPHAP ISSN:0002-9513. AN 2007:570242 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lin, H.; Sui, S. J.; Jiao, H. C.; Jiang, K. J.; Zhao, J. P.; Dong, H. **Effects of diet and stress mimicked by corticosterone administration on early postmortem muscle metabolism of broiler chickens.** Poultry Science (2007), 86(3), 545-554. CODEN: POSCAL ISSN:0032-5791. AN 2007:569964 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gerardu, Veronique A. M.; Buijs, Mark; van Loveren, Cor; ten Cate, Jacob M. **Plaque formation and lactic acid production after the use of amine fluoride/stannous fluoride mouthrinse.** European Journal of Oral Sciences (2007), 115(2), 148-152. CODEN: EJOSFY ISSN:0909-8836. AN 2007:569726 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Barros, L. Felipe; Martinez, Cristian. **An enquiry into metabolite domains.** Biophysical Journal (2007), 92(11), 3878-3884. CODEN: BIOJAU ISSN:0006-3495. AN 2007:568403 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Hall, M. B.; Weimer, P. J. **Sucrose concentration alters fermentation kinetics, products, and carbon fates during in vitro fermentation with mixed ruminal microbes.** Journal of Animal Science (Savoy, IL, United States) (2007), 85(6), 1467-1478. CODEN: JANSAG ISSN:0021-8812. CAN 146:520822 AN 2007:562458 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Larsen, Flemming H.; van den Berg, Frans; Engelsens, Soeren B. **An exploratory chemometric study of 1H NMR spectra of table wines.** Journal of Chemometrics (2006), Volume Date 2007, 20(5), 198-208. CODEN: JOCHEU ISSN:0886-9383. CAN 146:499565 AN 2007:562030 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Pietro, Pola. **Dietary supplement enhancing the muscular energy metabolism, comprising an alkanoyl carnitine and ribose.** U.S. Pat. Appl. Publ. (2007), 6pp., Cont.-in-part of U.S. Ser. No. 48,590. CODEN: USXXCO US 2007116743 A1 20070524 CAN 146:481114 AN 2007:560639 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

He, Jianzhong; Holmes, Victor F.; Lee, Patrick K. H.; Alvarez-Cohen, Lisa. **Influence of vitamin B12 and cocultures on the growth of Dehalococcoides isolates in defined medium.** Applied and Environmental Microbiology (2007), 73(9), 2847-2853. CODEN: AEMIDF ISSN:0099-2240. AN 2007:553924 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Walker, C. G.; Sugden, M. C.; Gibbons, G. F.; Holness, M. J. **Peroxisome proliferator-activated receptor α deficiency modifies glucose handling by isolated mouse adipocytes.** Journal of

Endocrinology (2007), 193(1), 39-43. CODEN: JOENAK ISSN:0022-0795. CAN 147:27793 AN 2007:550102 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Marjerrison, Andrea D.; Lee, Jonah D.; Mahon, Anthony D. **Preexercise carbohydrate consumption and repeated anaerobic performance in pre- and early-pubertal boys.** International Journal of Sport Nutrition and Exercise Metabolism (2007), 17(2), 140-151. CODEN: IJSNAA ISSN:1526-484X. CAN 147:52176 AN 2007:548281 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Dawo, Mohamed I.; Wilkinson, J. Michael; Sanders, Francis E. T.; Pilbeam, David J. **The yield and quality of fresh and ensiled plant material from intercropped maize (*Zea mays*) and beans (*Phaseolus vulgaris*).** Journal of the Science of Food and Agriculture (2007), 87(7), 1391-1399. CODEN: JSFAAE ISSN:0022-5142. CAN 146:460957 AN 2007:541749 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Regittnig, Werner; Schaupp, Lukas. **Determining a value of a physiological parameter with a device having a body fluid extraction unit, a coupling unit, and an evaluation unit.** PCT Int. Appl. (2007), 62pp. CODEN: PIXXD2 WO 2007054317 A1 20070518 CAN 146:496333 AN 2007:537872 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ott, Lee W.; Resing, Katheryn A.; Sizemore, Alecia W.; Heyen, Joshua W.; Cocklin, Ross R.; Pedrick, Nathan M.; Woods, H. Cary; Chen, Jake Y.; Goebel, Mark G.; Witzmann, Frank A.; Harrington, Maureen A. **Tumor Necrosis Factor- α - and Interleukin-1-Induced Cellular Responses: Coupling Proteomic and Genomic Information.** Journal of Proteome Research (2007), 6(6), 2176-2185. CODEN: JPROBS ISSN:1535-3893. CAN 146:499001 AN 2007:527373 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Na, Mi Hee; Kim, Woo Kyoung. **Effects of xylooligosaccharide intake on fecal bifidobacteria, lactic acid and lipid metabolism in Korean young women.** Hanguk Yongyang Hakhoechi (2007), 40(2), 154-161. CODEN: HYHJA3 ISSN:0367-6463. CAN 147:9047 AN 2007:525928 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Vahjen, Wilfried; Osswald, Tanja; Schaefer, Klaus; Simon, Ortwin. **Comparison of a xylanase and a complex of non starch polysaccharide-degrading enzymes with regard to performance and bacterial metabolism in weaned piglets.** Archives of Animal Nutrition (2007), 61(2), 90-102. CODEN: AANUET ISSN:1745-039X. CAN 146:500091 AN 2007:522111 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhang, Xulang; Wang, Wei; Li, Jinjun; Yu, Weiting; Ma, Xiaojun. **Gene expression and growth features of microencapsulated multicellular tumor spheroid.** Zhongliu (2006), 26(1), 3-6. CODEN: ZHONEV ISSN:1000-7431. AN 2007:515643 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Boonmee, Mallika; Leksawasdi, Noppol; Bridge, Wallace; Rogers, Peter L. **Electrodialysis for lactate removal in the production of the dairy starter culture *Lactococcus lactis* NZ133.** International Journal of Food Science and Technology (2007), 42(5), 567-572. CODEN: IJFTEZ ISSN:0950-5423. CAN 146:460677 AN 2007:514550 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lum, Julian J.; Bui, Thi; Gruber, Michaela; Gordan, John D.; DeBerardinis, Ralph J.; Covello, Kelly L.; Simon, M. Celeste; Thompson, Craig B. **The transcription factor HIF-1 α plays a critical role in the growth factor-dependent regulation of both aerobic and anaerobic glycolysis.** Genes & Development (2007), 21(9), 1037-1049. CODEN: GEDEEP ISSN:0890-9369. AN 2007:514407 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Cai, Ting; Su, Li; Chen, Ke-quan; Jiang, Min. **Application of HPLC in determination of organic acids in succinic acid anaerobic fermentation broth.** Shengwu Jiagong Guocheng (2007), 5(1), 66-70. CODEN: SJGHB9 ISSN:1672-3678. AN 2007:511624 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wang, Ke; Meng, Bao-an; Wang, Jia-Bin; Zhao, Ge; Zhang, Jing. **Effects of swim training with different load on erythrocyte membrane of rats.** Xibei Daxue Xuebao, Ziran Kexueban (2007), 37(1), 81-85. CODEN: HPHPAQ ISSN:1000-274X. AN 2007:511468 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Rustin, Pierre Jean Frederic; Jacobs, Howard T.; Dassa, Emmanuel Philippe; Hakkaart, Gerrit A. J.; Fernandez-Ayala, Daniel Jose Moreno. **Use of a mitochondrial alternative oxidase to treat disorders associated with defects of mitochondrial oxidative phosphorylation.** PCT Int. Appl. (2007), 107pp. CODEN: PIXXD2 WO 2007051898 A1 20070510 CAN 146:495590 AN 2007:510355 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Beiski, Ben Zion; Wolff, Andy. **Intraoral apparatus for non-invasive blood and saliva monitoring and sensing.** U.S. Pat. Appl. Publ. (2007), 37pp., Cont.-in-part of Appl. No. PCT/US05/000542. CODEN: USXXCO US 2007106138 A1 20070510 CAN 146:478247 AN 2007:510234 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gallagher, Shannon M.; Castorino, John J.; Wang, Dian; Philp, Nancy J. **Monocarboxylate Transporter 4 Regulates Maturation and Trafficking of CD147 to the Plasma Membrane in the Metastatic Breast Cancer Cell Line MDA-MB-231.** Cancer Research (2007), 67(9), 4182-4189. CODEN: CNREA8 ISSN:0008-5472. CAN 147:28319 AN 2007:508810 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Fischer, Karin; Hoffmann, Petra; Voelkl, Simon; Meidenbauer, Norbert; Ammer, Julia; Edinger, Matthias; Gottfried, Eva; Schwarz, Sabine; Rothe, Gregor; Hoves, Sabine; Renner, Kathrin; Timischl, Birgit; Mackensen, Andreas; Kunz-Schughart, Leoni; Andreesen, Reinhard; Krause, Stefan W.; Kreutz, Marina. **Inhibitory effect of tumor cell-derived lactic acid on human T cells.** Blood (2007), 109(9), 3812-3819. CODEN: BLOOAW ISSN:0006-4971. CAN 146:520156 AN 2007:494165 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Cholet, Oriane; Henaut, Alain; Casaregola, Serge; Bonnarme, Pascal. **Gene expression and biochemical analysis of cheese-ripening yeasts: focus on catabolism of L-methionine, lactate, and lactose.** Applied and Environmental Microbiology (2007), 73(8), 2561-2570. CODEN: AEMIDF ISSN:0099-2240. CAN 147:29913 AN 2007:493920 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Picker, Susanne M.; Radojska, Stela M.; Gathof, Birgit S. **In vitro quality of red blood cells (RBCs) collected by multicomponent apheresis compared to manually collected RBCs during 49 days of storage.** Transfusion (Malden, MA, United States) (2007), 47(4), 687-696. CODEN: TRANAT ISSN:0041-1132. CAN 146:507110 AN 2007:492204 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lasik, M.; Nowak, J. **Effect of pollution load and oxygen availability on thermophilic aerobic continuous biodegradation of potato processing wastewater.** Engineering in Life Sciences (2007), 7(2), 187-191. CODEN: ELSNAE ISSN:1618-0240. CAN 146:506311 AN 2007:489179 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Brandao, Franmir Rodrigues; Gomes, Levy de Carvalho; Chagas, Edsandra Campos. **Stress responses of pirarucu (Arapaima gigas) during routine aquaculture practices.** Acta Amazonica (2006), 36(3), 349-356. CODEN: AAMZAZ ISSN:0044-5967. CAN 147:48923 AN 2007:487590 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Shimizu, Hidetada; Watanabe, Eiji; Hiyama, Takeshi Y.; Nagakura, Ayano; Fujikawa, Akihiro; Okado, Haruo; Yanagawa, Yuchio; Obata, Kunihiro; Noda, Masaharu. **Glial Nax channels control lactate signaling to neurons for brain [Na+] sensing.** Neuron (2007), 54(1), 59-72. CODEN: NERNET ISSN:0896-6273. CAN 147:49048 AN 2007:483353 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

(R))

Teague, Claire R.; Dhabhar, Firdaus S.; Barton, Richard H.; Beckwith-Hall, Bridgette; Powell, Jonathan; Cobain, Mark; Singer, Burton; McEwen, Bruce S.; Lindon, John C.; Nicholson, Jeremy K.; Holmes, Elaine. **Metabonomic Studies on the Physiological Effects of Acute and Chronic Psychological Stress in Sprague-Dawley Rats.** Journal of Proteome Research (2007), 6(6), 2080-2093. CODEN: JPROBS ISSN:1535-3893. CAN 147:46290 AN 2007:482679 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Fox, Jonathan H.; Kama, Jibrin A.; Lieberman, Gregory; Chopra, Raman; Dorsey, Kate; Chopra, Vanita; Volitakis, Irene; Cherny, Robert A.; Bush, Ashley I.; Hersch, Steven. **Mechanisms of copper ion mediated Huntington's disease progression.** PLoS One (2007), 2(3), No pp. given. CODEN: POLNCL ISSN:1932-6203. CAN 146:460084 AN 2007:481206 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Huo, Xiao-ping; Yin, Xiao-jin; Liu, Liang-ming; Diao, You-fang; Chen, Jia-hui; Li, Ping; Liu, Jian-cang; Xu, Qiang. **Therapeutical efficacy of free radical scavenger edaravone on rabbits with septic shock.** Zhongguo Xinyao Yu Linchuang Zazhi (2007), 26(1), 17-22. CODEN: ZXYLBE ISSN:1007-7669. AN 2007:478456 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Bodini, Sergio; Nunziangeli, Luisa; Santori, Francesca. **Influence of amino acids on low-density Escherichia coli responses to nutrient downshifts.** Journal of Bacteriology (2007), 189(8), 3099-3105. CODEN: JOBAAY ISSN:0021-9193. CAN 146:496643 AN 2007:475947 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Mohr, Magni; Krstrup, Peter; Nielsen, Jens Jung; Nybo, Lars; Rasmussen, Martin Kroeyer; Juel, Carsten; Bangsbo, Jens. **Effect of two different intense training regimens on skeletal muscle ion transport proteins and fatigue development.** American Journal of Physiology (2007), 292(4, Pt. 2), R1594-R1602. CODEN: AJPHAP ISSN:0002-9513. CAN 147:27776 AN 2007:466156 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Bennet, Laura; Roelfsema, Vincent; Dean, Justin M.; Wassink, Guido; Power, Gordon G.; Jensen, Ellen C.; Gunn, Alistair Jan. **Regulation of cytochrome oxidase redox state during umbilical cord occlusion in preterm fetal sheep.** American Journal of Physiology (2007), 292(4, Pt. 2), R1569-R1576. CODEN: AJPHAP ISSN:0002-9513. CAN 146:479787 AN 2007:466154 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Fredriksson, Katarina; Hammarqvist, Folke; Strigard, Karin; Hultenby, Kjell; Ljungqvist, Olle; Wernerman, Jan; Rooyackers, Olav. **Derangements in mitochondrial metabolism in intercostal and leg muscle of critically ill patients with sepsis-induced multiple organ failure. [Erratum to document cited in CA146:043014].** American Journal of Physiology (2007), 292(4, Pt. 1), E1240. CODEN: AJPHAP ISSN:0002-9513. CAN 147:28384 AN 2007:466030 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ma, Ling-yun; Li, Le-cai; Li, Ying-chun; Geng, Li-jie. **The analysis of 1HMRS in the patients with acute cerebral infraction.** Shiyong Linchuang Yixue (2007), 8(1), 103-104, 111. CODEN: SLYHBB ISSN:1009-8194. AN 2007:464534 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Baxter, Jeffrey H.; Mukerji, Pradip; Voss, Anne C.; Tisdale, Michael J. **β -Hydroxy- β -methylbutyric acid (HMB) compositions, combinations, and therapeutic uses.** U.S. Pat. Appl. Publ. (2007), 36pp., Cont.-in-part of U.S. Ser. No. 810,762. CODEN: USXXCO US 2007093553 A1 20070426 CAN 146:455289 AN 2007:464254 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zielke, H. Ronald; Zielke, Carol L.; Baab, Peter J.; Tildon, J. Tyson. **Effect of fluorocitrate on cerebral oxidation of lactate and glucose in freely moving rats.** Journal of Neurochemistry (2007), 101(1), 9-16. CODEN: JONRA9 ISSN:0022-3042. CAN 146:518653 AN 2007:450924 CAPLUS (Copyright

(C) 2007 ACS on SciFinder (R))

El-Nemr, Tarek; Mostafa, Hesham. **Influence of Jerusalem artichoke inuline addition as a prebiotic on Bifidobacteria survival in Egyptian flavored fermented Rayeb drink.** Deutsche Lebensmittel-Rundschau (2007), 103(2), 65-71. CODEN: DLRUJ ISSN:0012-0413. AN 2007:445088 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Neilson, Andy; Teich, Jay; Wu, Min; Ferrick, David. **Analysis of metabolic activity in cells using extracellular flux rate measurements.** U.S. Pat. Appl. Publ. (2007), 43pp., Cont.-in-part of U.S. Ser. No. 486,440. CODEN: USXXCO US 2007087401 A1 20070419 CAN 146:417871 AN 2007:439021 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Poeling, J.; Rees, W.; Klaus, S.; Bahlmann, L.; Huebner, N.; Mantovani, V.; Warnecke, H. **Myocardial metabolic monitoring with the microdialysis technique during and after open heart surgery.** Acta Anaesthesiologica Scandinavica (2007), 51(3), 341-346. CODEN: AANEAB ISSN:0001-5172. CAN 146:507101 AN 2007:429752 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lara-Martin, Pablo A.; Gomez-Parra, Abelardo; Koechling, Thorsten; Sanz, Jose Luis; Amils, Ricardo; Gonzalez-Mazo, Eduardo. **Anaerobic Degradation of Linear Alkylbenzene Sulfonates in Coastal Marine Sediments.** Environmental Science & Technology (2007), 41(10), 3573-3579. CODEN: ESTHAG ISSN:0013-936X. CAN 146:506655 AN 2007:427823 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Balthazar, C. H.; Oliveira, A. Ribeiro, Jr.; Marubayashi, U.; dos Reis, A. M.; Coimbra, C. C. **Chronic treatment with bromocriptine modifies metabolic adjustments in response to restraint stress in rats.** Autonomic & Autacoid Pharmacology (2007), 27(2), 123-129. CODEN: AAPUC3 ISSN:1474-8665. CAN 146:395104 AN 2007:427052 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Alakomi, Hanna-Leena; Puupponen-Pimia, Riitta; Aura, Anna-Marja; Helander, Ilkka M.; Nohynek, Liisa; Oksman-Caldentey, Kirsi-Marja; Saarela, Maria. **Weakening of Salmonella with Selected Microbial Metabolites of Berry-Derived Phenolic Compounds and Organic Acids.** Journal of Agricultural and Food Chemistry (2007), 55(10), 3905-3912. CODEN: JAFCAU ISSN:0021-8561. CAN 146:478619 AN 2007:423624 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gao, Peng; Shi, Chunyun; Tian, Jing; Shi, Xianzhe; Yuan, Kailong; Lu, Xin; Xu, Guowang. **Investigation on response of the metabolites in tricarboxylic acid cycle of Escherichia coli and Pseudomonas aeruginosa to antibiotic perturbation by capillary electrophoresis.** Journal of Pharmaceutical and Biomedical Analysis (2007), 44(1), 180-187. CODEN: JPBADA ISSN:0731-7085. CAN 146:496848 AN 2007:422815 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Liu, Yue; Sun, Bo; Gao, Pei-yi; Li, Shao-wu; Dai, Jian-ping. **Clinical application of 1H-MR spectroscopy in classifying tumors of neuroepithelial tissue.** Zhonghua Fangshexue Zazhi (2007), 41(3), 227-231. CODEN: CHFSAG ISSN:1005-1201. AN 2007:421587 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Geissler, Margit; Kawana, Shuichi; Nakagawa, Katsuhiro. **Analysis of urine organic acids using linear retention indices for the determination of metabolic disorders.** LC-GC Europe (2007), 26-27. CODEN: LCGCB4 ISSN:1471-6577. AN 2007:420937 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Leach, Chet L. **Inhalation aspects of therapeutic aerosols.** Toxicologic Pathology (2007), 35(1), 23-26. CODEN: TOPADD ISSN:0192-6233. CAN 146:507064 AN 2007:420854 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Liao, Peiqiu; Wei, Lai; Zhang, Xiaoyu; Li, Xiaojing; Wu, Huifeng; Wu, Yijie; Ni, Jiazuan; Pei, Fengkui. **Metabolic profiling of serum from gadolinium chloride-treated rats by 1H NMR spectroscopy.**

Analytical Biochemistry (2007), 364(2), 112-121. CODEN: ANBCA2 ISSN:0003-2697. CAN 147:47838 AN 2007:419531 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Miyashita, Yo; Dolferus, Rudy; Ismond, Kathleen P.; Good, Allen G. **Alanine aminotransferase catalyses the breakdown of alanine after hypoxia in Arabidopsis thaliana.** Plant Journal (2007), 49(6), 1108-1121. CODEN: PLJUED ISSN:0960-7412. AN 2007:415176 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kempa, Stefan; Rozhon, Wilfried; Samaj, Jozef; Erban, Alexander; Baluska, Frantisek; Becker, Thomas; Haselmayer, Joachim; Schleiff, Enrico; Kopka, Joachim; Hirt, Heribert; Jonak, Claudia. **A plastid-localized glycogen synthase kinase 3 modulates stress tolerance and carbohydrate metabolism.** Plant Journal (2007), 49(6), 1076-1090. CODEN: PLJUED ISSN:0960-7412. AN 2007:415174 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Hosogai, Naomi; Fukuhara, Atsunori; Oshima, Kazuya; Miyata, Yugo; Tanaka, Sachiyo; Segawa, Katsumori; Furukawa, Shigetada; Tochino, Yoshihiro; Komuro, Ryutaro; Matsuda, Morihiro; Shimomura, Ichihiro. **Adipose tissue hypoxia in obesity and its impact on adipocytokine dysregulation.** Diabetes (2007), 56(4), 901-911. CODEN: DIAEAZ ISSN:0012-1797. CAN 146:439771 AN 2007:414266 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Moerman, Piet. **Method and device for utilizing analyte levels to assist in the treatment of diabetes.** U.S. Pat. Appl. Publ. (2007), 36pp., Cont.-in-part of U.S. Ser. No. 817,211. CODEN: USXXCO US 2007083335 A1 20070412 CAN 146:375364 AN 2007:407961 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Siegling-Vlitakis, Christiane; Kohn, Barbara; Kellermeier, Claudia; Schmitz, Rose; Hartmann, Helmut. **Qualification of the Stewart variables for the appreciation of the acid-base status in healthy and differently diseased dogs.** Berliner und Muenchener Tieraerztliche Wochenschrift (2007), 120(3-4), 148-155. CODEN: BEMTAM ISSN:0005-9366. CAN 146:377668 AN 2007:407595 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhou, Lufang; Cabrera, Marco E.; Huang, Hazel; Yuan, Celvie L.; Monika, Duda K.; Sharma, Naveen; Bian, Fang; Stanley, William C. **Parallel activation of mitochondrial oxidative metabolism with increased cardiac energy expenditure is not dependent on fatty acid oxidation in pigs.** Journal of Physiology (Oxford, United Kingdom) (2006), Volume Date 2007, 579(3), 811-821. CODEN: JPHYA7 ISSN:0022-3751. AN 2007:407373 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Rusak, Tomasz; Tomasiak, Marian; Ciborowski, Michal. **Peroxyntirite can affect platelet responses by inhibiting energy production.** Acta Biochimica Polonica (2006), 53(4), 769-776. CODEN: ABPLAF ISSN:0001-527X. CAN 146:516204 AN 2007:400776 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wang, Peipei; Fraser, Heather; Lloyd, Steven G.; McVeigh, Jeffrey J.; Belardinelli, Luiz; Chatham, John C. **A comparison between ranolazine and CVT-4325, a novel inhibitor of fatty acid oxidation, on cardiac metabolism and left ventricular function in rat isolated perfused heart during ischemia and reperfusion.** Journal of Pharmacology and Experimental Therapeutics (2007), 321(1), 213-220. CODEN: JPETAB ISSN:0022-3565. CAN 147:45728 AN 2007:400736 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ward, Kay L.; Tkac, Ivan; Jing, Yuezhou; Felt, Barbara; Beard, John; Connor, James; Schallert, Timothy; Georgieff, Michael K.; Rao, Raghavendra. **Gestational and lactational iron deficiency alters the developing striatal metabolome and associated behaviors in young rats.** Journal of Nutrition (2007), 137(4), 1043-1049. CODEN: JONUAI ISSN:0022-3166. CAN 146:378848 AN 2007:400687 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Fardet, Anthony; Canlet, Cecile; Gottardi, Gaelle; Lyan, Bernard; Llorach, Rafael; Remesy, Christian;

Mazur, Andre; Paris, Alain; Scalbert, Augustin. **Whole-grain and refined wheat flours show distinct metabolic profiles in rats as assessed by a 1H NMR-based metabonomic approach.** *Journal of Nutrition* (2007), 137(4), 923-929. CODEN: JONUAI ISSN:0022-3166. CAN 146:461232 AN 2007:400669 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Onay-Besikci, Arzu. **Impact of lactate in the perfusate on function and metabolic parameters of isolated working rat heart.** *Molecular and Cellular Biochemistry* (2007), 296(1&2), 121-127. CODEN: MCBIB8 ISSN:0300-8177. CAN 146:371930 AN 2007:396110 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Spagnolo, Alessandra; Grant, Erica N.; Glick, Roberta; Lichtor, Terry; Feinstein, Douglas L. **Differential effects of PPAR γ agonists on the metabolic properties of gliomas and astrocytes.** *Neuroscience Letters* (2007), 417(1), 72-77. CODEN: NELED5 ISSN:0304-3940. CAN 146:492829 AN 2007:395999 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Fujita, Tadahisa; Kajita, Masahiro; Sano, Hiroaki. **Effects of dietary starch and sucrose on tissue responsiveness and sensitivity to insulin in goats fed a high-concentrate diet.** *Asian-Australasian Journal of Animal Sciences* (2007), 20(3), 385-392. CODEN: AJASEL ISSN:1011-2367. CAN 146:440851 AN 2007:395535 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Li, Jing; Hu, Xiao-hui; Guo, Shi-rong; Jia, Yong-xia; Du, Chang-xia. **Effects of D-arginine on polyamine content and anaerobic respiration metabolism of cucumber seedling roots under hypoxia stress.** *Yingyong Shengtai Xuebao* (2007), 18(2), 376-382. CODEN: YSXUER ISSN:1001-9332. AN 2007:395217 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Palsson, R.; Laliberte, K. A.; Niles, J. L. **Choice of replacement solution and anticoagulant in continuous venovenous hemofiltration.** *Nieren- und Hochdruckkrankheiten* (2007), 36(1), 18-28. CODEN: NIHOD9 ISSN:0300-5224. CAN 146:350474 AN 2007:394595 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wang, Yulan; Lawler, Dennis; Larson, Brian; Ramadan, Ziad; Kochhar, Sunil; Holmes, Elaine; Nicholson, Jeremy K. **Metabonomic investigations of aging and caloric restriction in a life-long dog study.** *Journal of Proteome Research* (2007), 6(5), 1846-1854. CODEN: JPROBS ISSN:1535-3893. CAN 146:378934 AN 2007:394222 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Biel, K. Y.; Gates, R. D.; Muscatine, L. **Effects of free amino acids on the photosynthetic carbon metabolism of symbiotic dinoflagellates.** *Russian Journal of Plant Physiology* (2007), 54(2), 171-183. CODEN: RJPPE2 ISSN:1021-4437. CAN 147:27227 AN 2007:392448 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Fujita, Tadahisa; Kajita, Masahiro; Sano, Hiroaki. **Effects of non-protein energy intake on whole body protein synthesis, nitrogen retention and glucose turnover in goats.** *Asian-Australasian Journal of Animal Sciences* (2007), 20(4), 536-542. CODEN: AJASEL ISSN:1011-2367. CAN 146:440902 AN 2007:388046 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zigha, Assia; Rosenfeld, Eric; Schmitt, Philippe; Duport, Catherine. **The redox regulator Fnr is required for fermentative growth and enterotoxin synthesis in *Bacillus cereus* F4430/73.** *Journal of Bacteriology* (2007), 189(7), 2813-2824. CODEN: JOBAAY ISSN:0021-9193. CAN 147:5190 AN 2007:387087 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Mates, Aaron K.; Sayed, Atef K.; Foster, John W. **Products of the *Escherichia coli* acid fitness island attenuate metabolite stress at extremely low pH and mediate a cell density-dependent acid resistance.** *Journal of Bacteriology* (2007), 189(7), 2759-2768. CODEN: JOBAAY ISSN:0021-9193. CAN 146:496845 AN 2007:387081 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wang, Jing-wen; Wang, Hai. **Research progress on effect of lactic acid in brain energy metabolism.**

Jiefangjun Yufang Yixue Zazhi (2007), 25(1), 69-72. CODEN: JYYZEQ ISSN:1001-5248. AN 2007:386376 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Takahashi, Jiro; Hussein, Ghazi; Sankawa, Ushio; Goto, Hirozou. **Ameliorating agent for metabolic syndrome.** PCT Int. Appl. (2007), 29pp. CODEN: PIXXD2 WO 2007037438 A1 20070405 CAN 146:365790 AN 2007:383991 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Hong, Meiling; Chen, Liqiao; Sun, Xinjin; Gu, Shunzhang; Zhang, Lu; Chen, Yong. **Metabolic and immune responses in Chinese mitten-handed crab (*Eriocheir sinensis*) juveniles exposed to elevated ambient ammonia.** Comparative Biochemistry and Physiology, Part C: Toxicology & Pharmacology (2007), 145C(3), 363-369. CODEN: CBPPFK ISSN:1532-0456. CAN 146:416480 AN 2007:373502 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Shene, C.; Bravo, S. **Whey fermentation by *Lactobacillus delbrueckii* subsp. *bulgaricus* for exopolysaccharide production in continuous culture.** Enzyme and Microbial Technology (2007), 40(6), 1578-1584. CODEN: EMTED2 ISSN:0141-0229. CAN 147:51668 AN 2007:373176 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Nakache, Richard; Isretil, Ivgeny; Ekstein, Perla; Almogy, Nehama; Fedorov, Dimitri; Lifschitz-Mercer, Beatriz; Weinbroum, Avi A. **Nontoxic effect of tacrolimus on normally perfused isolated liver and protective effect on hypoperfused liver.** Medical Science Monitor (2007), 13(2), BR32-BR39. CODEN: MSMOFR ISSN:1234-1010. CAN 146:454571 AN 2007:372594 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Shen, Q. W.; Underwood, K. R.; Means, W. J.; McCormick, R. J.; Du, M. **The halothane gene, energy metabolism, adenosine monophosphate-activated protein kinase, and glycolysis in postmortem pig *longissimus dorsi* muscle.** Journal of Animal Science (Savoy, IL, United States) (2007), 85(4), 1054-1061. CODEN: JANSAG ISSN:0021-8812. CAN 146:520482 AN 2007:371712 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tzanela, Marinella; Orfanos, Stylianos; McCormick, James R. **Endotoxin augments hemodynamic and metabolic effects of formyl-methionyl-leucyl-phenylalanine (FMLP) in rabbits.** In Vivo (2007), 21(1), 81-87. CODEN: IVIVE4 ISSN:0258-851X. AN 2007:369335 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Reddy, A. Sreenivasa; Reddy, M. Venkata; Radhakrishnaiah, K. **Impact of lead on the energetics of common carp *Cyprinus carpio* (Linnaeus).** Journal of Aquatic Biology (2006), 21(2), 234-238. CODEN: JABOAC ISSN:0971-4235. AN 2007:365758 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ladero, Victor; Ramos, Ana; Wiersma, Anne; Goffin, Philippe; Schanck, Andre; Kleerebezem, Michiel; Hugenholtz, Jeroen; Smid, Eddy J.; Hols, Pascal. **High-level production of the low-calorie sugar sorbitol by *Lactobacillus plantarum* through metabolic engineering.** Applied and Environmental Microbiology (2007), 73(6), 1864-1872. CODEN: AEMIDF ISSN:0099-2240. CAN 146:480599 AN 2007:362265 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Camu, Nicholas; De Winter, Tom; Verbrugge, Kristof; Cleenwerck, Ilse; Vandamme, Peter; Takrama, Jemmy S.; Vancanneyt, Marc; De Vuyst, Luc. **Dynamics and biodiversity of populations of lactic acid bacteria and acetic acid bacteria involved in spontaneous heap fermentation of cocoa beans in Ghana.** Applied and Environmental Microbiology (2007), 73(6), 1809-1824. CODEN: AEMIDF ISSN:0099-2240. CAN 146:478655 AN 2007:362259 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kim, Youngnyun; Ingram, L. O.; Shanmugam, K. T. **Construction of an *Escherichia coli* K-12 mutant for homoethanogenic fermentation of glucose or xylose without foreign genes.** Applied and Environmental Microbiology (2007), 73(6), 1766-1771. CODEN: AEMIDF ISSN:0099-2240. CAN

146:480640 AN 2007:362253 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Saulnier, Delphine M. A.; Molenaar, Douwe; de Vos, Willem M.; Gibson, Glenn R.; Kolida, Sofia. **Identification of prebiotic fructooligosaccharide metabolism in *Lactobacillus plantarum* WCFS1 through microarrays.** Applied and Environmental Microbiology (2007), 73(6), 1753-1765. CODEN: AEMIDF ISSN:0099-2240. CAN 146:478460 AN 2007:362252 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

de Vroege, R.; Wildevuur, W. R.; Muradin, J. A. G.; Graves, D.; van Oeveren, W. **Washing of stored red blood cells by an autotransfusion device before transfusion.** Vox Sanguinis (2007), 92(2), 130-135. CODEN: VOSAAD ISSN:0042-9007. CAN 146:468054 AN 2007:360894 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kinoshita, Ayako; Tsukada, Kosuke; Soga, Tomoyoshi; Hishiki, Takako; Ueno, Yuki; Nakayama, Yoichi; Tomita, Masaru; Suematsu, Makoto. **Roles of Hemoglobin Allostery in Hypoxia-induced Metabolic Alterations in Erythrocytes: Simulation and its verification by metabolome analysis.** Journal of Biological Chemistry (2007), 282(14), 10731-10741. CODEN: JBCHA3 ISSN:0021-9258. CAN 146:497752 AN 2007:360216 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Cade, W. Todd; Reeds, Dominic N.; Mittendorfer, Bettina; Patterson, Bruce W.; Powderly, William G.; Klein, Samuel; Yarasheski, Kevin E. **Blunted lipolysis and fatty acid oxidation during moderate exercise in HIV-infected subjects taking HAART.** American Journal of Physiology (2007), 292(3, Pt. 1), E812-E819. CODEN: AJPHAP ISSN:0002-9513. CAN 146:434276 AN 2007:353952 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Qvisth, Veronica; Hagstroem-Toft, Eva; Moberg, Erik; Sjoeborg, Stefan; Bolinder, Jan. **Lactate release from adipose tissue and skeletal muscle in vivo: defective insulin regulation in insulin-resistant obese women.** American Journal of Physiology (2007), 292(3, Pt. 1), E709-E714. CODEN: AJPHAP ISSN:0002-9513. CAN 146:475885 AN 2007:353940 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Yi, Jung-Sun; Kim, Tae-Youn; Kim, Dong Kyu; Koh, Jae-Young. **Systemic pyruvate administration markedly reduces infarcts and motor deficits in rat models of transient and permanent focal cerebral ischemia.** Neurobiology of Disease (2007), 26(1), 94-104. CODEN: NUDIEM ISSN:0969-9961. AN 2007:345228 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Morland, Cecilie; Henjum, Solveig; Iversen, Evy G.; Skrede, Knut K.; Hassel, Bjornar. **Evidence for a higher glycolytic than oxidative metabolic activity in white matter of rat brain.** Neurochemistry International (2007), 50(5), 703-709. CODEN: NEUIDS ISSN:0197-0186. CAN 146:497652 AN 2007:345038 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhang, Yong-Mei; Chohnan, Shigeru; Virga, Kristopher G.; Stevens, Robert D.; Ilkayeva, Olga R.; Wenner, Brett R.; Bain, James R.; Newgard, Christopher B.; Lee, Richard E.; Rock, Charles O.; Jackowski, Suzanne. **Chemical Knockout of Pantothenate Kinase Reveals the Metabolic and Genetic Program Responsible for Hepatic Coenzyme A Homeostasis.** Chemistry & Biology (Cambridge, MA, United States) (2007), 14(3), 291-302. CODEN: CBOLE2 ISSN:1074-5521. AN 2007:343838 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Perez-Matute, P.; Marti, A.; Martinez, J. A.; Fernandez-Otero, M. P.; Stanhope, K. L.; Havel, P. J.; Moreno-Aliaga, M. J. **Conjugated linoleic acid inhibits glucose metabolism, leptin and adiponectin secretion in primary cultured rat adipocytes.** Molecular and Cellular Endocrinology (2007), 268(1-2), 50-58. CODEN: MCEND6 ISSN:0303-7207. CAN 147:2486 AN 2007:343744 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Bak, Lasse K.; Waagepetersen, Helle S.; Melo, Torun M.; Schousboe, Arne; Sonnewald, Ursula. **Complex Glutamate Labeling from [U-13C]glucose or [U-13C]lactate in Co-cultures of Cerebellar**

Neurons and Astrocytes. *Neurochemical Research* (2007), 32(4-5), 671-680. CODEN: NEREDZ ISSN:0364-3190. CAN 146:497646 AN 2007:338501 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

O'Brien, Janet; Kla, Koffi M.; Hopkins, Irene B.; Malecki, Elise A.; McKenna, Mary C. **Kinetic Parameters and Lactate Dehydrogenase Isozyme Activities Support Possible Lactate Utilization by Neurons.** *Neurochemical Research* (2007), 32(4-5), 597-607. CODEN: NEREDZ ISSN:0364-3190. CAN 146:438871 AN 2007:338499 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Richards, J. G.; Wang, Y. S.; Brauner, C. J.; Gonzalez, R. J.; Patrick, M. L.; Schulte, P. M.; Choppari-Gomes, A. R.; Almeida-Val, V. M.; Val, A. L. **Metabolic and ionoregulatory responses of the Amazonian cichlid, *Astronotus ocellatus*, to severe hypoxia.** *Journal of Comparative Physiology, B: Biochemical, Systems, and Environmental Physiology* (2007), 177(3), 361-374. CODEN: JPBPDL ISSN:0174-1578. CAN 147:27437 AN 2007:334902 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ximenes, Helena M. A.; Hirata, Aparecida E.; Rocha, Marlene S.; Curi, Rui; Carpinelli, Angelo R. **Propionate inhibits glucose-induced insulin secretion in isolated rat pancreatic islets.** *Cell Biochemistry and Function* (2007), 25(2), 173-178. CODEN: CBFUDH ISSN:0263-6484. CAN 146:315813 AN 2007:334020 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ohara, Hitomi; Owaki, Michiko; Sonomoto, Kenji. **Calculation of metabolic flow of xylose in *Lactococcus lactis*.** *Journal of Bioscience and Bioengineering* (2007), 103(1), 92-94. CODEN: JBBIF6 ISSN:1389-1723. CAN 146:520304 AN 2007:331467 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Dumollard, Remi; Ward, Zoe; Carroll, John; Duchon, Michael R. **Regulation of redox metabolism in the mouse oocyte and embryo.** *Development (Cambridge, United Kingdom)* (2007), 134(3), 455-465. CODEN: DEVPED ISSN:0950-1991. CAN 147:6372 AN 2007:331316 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

De Vuyst, Luc; Camu, Nicolas. **Starter cultures for cocoa bean fermentation.** *PCT Int. Appl.* (2007), 130pp. CODEN: PIXXD2 WO 2007031186 A1 20070322 CAN 146:357716 AN 2007:327990 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Hyun, Dong-Hoon; Hunt, Nicole D.; Emerson, Scott S.; Hernandez, Joe O.; Mattson, Mark P.; de Cabo, Rafael. **Up-regulation of plasma membrane-associated redox activities in neuronal cells lacking functional mitochondria.** *Journal of Neurochemistry* (2007), 100(5), 1364-1374. CODEN: JONRA9 ISSN:0022-3042. CAN 146:459895 AN 2007:325811 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

MacCormack, Tyson J.; Driedzic, William R. **The impact of hypoxia on in vivo glucose uptake in a hypoglycemic fish, *Myoxocephalus scorpius*.** *American Journal of Physiology* (2007), 292(2, Pt. 2), R1033-R1042. CODEN: AJPHAP ISSN:0002-9513. CAN 146:291777 AN 2007:325521 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Battiprolu, Pavan K.; Harmon, Kelli J.; Rodnick, Kenneth J. **Sex differences in energy metabolism and performance of teleost cardiac tissue.** *American Journal of Physiology* (2007), 292(2, Pt. 2), R827-R836. CODEN: AJPHAP ISSN:0002-9513. CAN 146:291854 AN 2007:325494 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Atkins, James L.; Johnson, Ken B.; Pearce, Frederick J. **Cardiovascular responses to oxygen inhalation after hemorrhage in anesthetized rats: hyperoxic vasoconstriction.** *American Journal of Physiology* (2007), 292(2, Pt. 2), H776-H785. CODEN: AJPHAP ISSN:0002-9513. CAN 146:399654 AN 2007:325421 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Brahimi-Horn, M. Christiane; Chiche, Johanna; Pouyssegur, Jacques. **Hypoxia signaling controls metabolic demand.** *Current Opinion in Cell Biology* (2007), 19(2), 223-229. CODEN: COCBE3 ISSN:0955-0674. CAN 146:518953 AN 2007:320704 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Sakowitz, Oliver W.; Stover, John F.; Sarrafzadeh, Asita S.; Unterberg, Andreas W.; Kiening, Karl L. **Effects of mannitol bolus administration on intracranial pressure, cerebral extracellular metabolites, and tissue oxygenation in severely head-injured patients.** *Journal of Trauma: Injury, Infection, and Critical Care* (2007), 62(2), 292-298. CODEN: JOTRFA CAN 146:394848 AN 2007:320277 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Peckham, Russell M.; Handrigan, Michael T.; Bentley, Timothy B.; Falabella, Michael J.; Chrovian, Andrew D.; Stahl, Gregory L.; Tsokos, George C. **C5-blocking antibody reduces fluid requirements and improves responsiveness to fluid infusion in hemorrhagic shock managed with hypotensive resuscitation.** *Journal of Applied Physiology* (2007), 102(2), 673-680. CODEN: JAPHEV ISSN:8750-7587. CAN 146:400265 AN 2007:318827 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Mas, Sandrine; Villas-Boas, Silas Granato; Hansen, Michael Edberg; Aakesson, Mats; Nielsen, Jens. **A comparison of direct infusion MS and GC-MS for metabolic footprinting of yeast mutants.** *Biotechnology and Bioengineering* (2007), 96(5), 1014-1022. CODEN: BIBIAU ISSN:0006-3592. CAN 146:517417 AN 2007:318658 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Chinn, Mari S.; Nokes, Sue E.; Strobel, Herbert J. **Influence of process conditions on end product formation from Clostridium thermocellum 27405 in solid substrate cultivation on paper pulp sludge.** *Bioresource Technology* (2007), 98(11), 2184-2193. CODEN: BIRTEB ISSN:0960-8524. CAN 146:480636 AN 2007:302212 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kumari, Y. Sunila. **Effect of tolzan on carbohydrate metabolism and protein metabolism of an acanthocephalan parasite Pallisentis nagpurensis parasitising the fresh water fish Channa striatus.** *Bulletin of Pure & Applied Sciences, Section A: Zoology* (2006), 25A(1), 13-18. CODEN: BPAAEK ISSN:0970-0765. CAN 146:474833 AN 2007:299828 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Exley, Rachel M.; Wu, Hong; Shaw, Jonathan; Schneider, Muriel C.; Smith, Harry; Jerse, Ann E.; Tang, Christoph M. **Lactate acquisition promotes successful colonization of the murine genital tract by Neisseria gonorrhoeae.** *Infection and Immunity* (2007), 75(3), 1318-1324. CODEN: INFIBR ISSN:0019-9567. CAN 146:418245 AN 2007:289260 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Roncalli, J.; Smih, F.; Desmoulin, F.; Dumonteil, N.; Harmancey, R.; Hennig, S.; Perez, L.; Pathak, A.; Galinier, M.; Massabuau, P.; Malet-Martino, M.; Senard, J. M.; Rouet, P. **NMR and cDNA array analysis prior to heart failure reveals an increase of unsaturated lipids, a glutamine/glutamate ratio decrease and a specific transcriptome adaptation in obese rat heart.** *Journal of Molecular and Cellular Cardiology* (2007), 42(3), 526-539. CODEN: JMCDDAY ISSN:0022-2828. CAN 146:439439 AN 2007:276299 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Colafranceschi, Mauro; Capuani, Giorgio; Miccheli, Alfredo; Campo, Silvia; Valerio, Mariacristina; Tomassini, Alberta; Giuliani, Alessandro; Arseni, Brunilde; Rossi, Stefania; De Santis, Rita; Carminati, Paolo; Ruggiero, Vito; Conti, Filippo. **Dissecting drug and vehicle metabolic effects in rats by a metabonomic approach.** *Journal of Biochemical and Biophysical Methods* (2007), 70(3), 355-361. CODEN: JBBMDG ISSN:0165-022X. AN 2007:276038 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Carrera, Erkuden Perez; Garcia-Lopez, Angel; Martin del Rio, Maria del Pilar; Martinez-Rodriguez, Gonzalo; Sole, Montserrat; Mancera, Juan Miguel. **Effects of 17 β -estradiol and 4-nonylphenol on osmoregulation and hepatic enzymes in gilthead sea bream (Sparus auratus).** *Comparative*

Biochemistry and Physiology, Part C: Toxicology & Pharmacology (2007), 145C(2), 210-217. CODEN: CBPPFK ISSN:1532-0456. CAN 146:373944 AN 2007:271465 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kochan, T. I.; Kochan, T. I. **Year monitoring of the effect of conditions of the North on metabolism and functioning of the human cardiovascular system.** Uspekhi Fiziologicheskikh Nauk (2007), 38(1), 55-65. CODEN: UFZNAD ISSN:0301-1798. CAN 147:6522 AN 2007:269707 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Cheng, Shiu-Min; Yang, Dar-Yu; Lee, Chien-Pin; Pan, Hung-Chuan; Lin, Mao-Tsun; Chen, Ssu-Hua; Cheng, Fu-Chou. **Effects of magnesium sulfate on dynamic changes of brain glucose and its metabolites during a short-term forced swimming in gerbils.** European Journal of Applied Physiology (2007), 99(6), 695-699. CODEN: EJAPFN ISSN:1439-6319. AN 2007:263819 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ohiwa, Nao; Chang, Hyukki; Saito, Tsuyoshi; Onaka, Tatsushi; Fujikawa, Takahiko; Soya, Hideaki. **Possible inhibitory role of prolactin-releasing peptide for ACTH release associated with running stress.** American Journal of Physiology (2007), 292(1, Pt. 2), R497-R504. CODEN: AJPHAP ISSN:0002-9513. CAN 146:351727 AN 2007:255212 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tong, Huichun; Chen, Wei; Merritt, Justin; Qi, Fengxia; Shi, Wenyan; Dong, Xiuzhu. **Streptococcus oligofermentans inhibits Streptococcus mutans through conversion of lactic acid into inhibitory H₂O₂: a possible counteroffensive strategy for interspecies competition.** Molecular Microbiology (2007), 63(3), 872-880. CODEN: MOMIEE ISSN:0950-382X. CAN 146:418016 AN 2007:254673 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhao, Hong-yu; Zhao, Jing; Zheng, Chun-li; Bai, Yun. **Advances in lactic acid fermentation by Rhizopus oryzae.** Tianjin Huagong (2007), 21(1), 7-9. CODEN: THIUBL ISSN:1008-1267. AN 2007:241958 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wang, Sheng; Chen, Jincuo; Wu, Xiaohui; Lei, Ting. **Microdialysis assay of intracerebral biochemical metabolism before and after temporary occlusion of parent artery during intracranial aneurysm operation.** Zhonghua Shenjing Waike Jibing Yanjiu Zazhi (2006), 5(6), 490-492. CODEN: ZSWJAU ISSN:1671-2897. AN 2007:239971 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Nechev, Jordan; Stefanov, Kamen; Nedelcheva, Diana; Popov, Simeon. **Effect of cobalt ions on the metabolism of some volatile and polar compounds in the marine invertebrates Mytilus galloprovincialis and Actinia equina.** Comparative Biochemistry and Physiology, Part B: Biochemistry & Molecular Biology (2007), 146B(4), 568-575. CODEN: CBPBB8 ISSN:1096-4959. AN 2007:239160 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Asakura, Yoko; Kimura, Eiichiro; Usuda, Yoshihiro; Kawahara, Yoshio; Matsui, Kazuhiko; Osumi, Tsuyoshi; Nakamatsu, Tsuyoshi. **Altered metabolic flux due to deletion of odhA causes L-glutamate overproduction in Corynebacterium glutamicum.** Applied and Environmental Microbiology (2007), 73(4), 1308-1319. CODEN: AEMIDF ISSN:0099-2240. CAN 146:398029 AN 2007:238964 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Youssef, N.; Simpson, D. R.; Duncan, K. E.; McInerney, M. J.; Folmsbee, M.; Fincher, T.; Knapp, R. M. **In situ biosurfactant production by Bacillus strains injected into a limestone petroleum reservoir.** Applied and Environmental Microbiology (2007), 73(4), 1239-1247. CODEN: AEMIDF ISSN:0099-2240. CAN 146:375454 AN 2007:238950 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wells, Alan; Grierson, Christal E.; MacKenzie, Monique; Russon, Iain J.; Reinardy, Helena; Middlemiss, Claire; Bjorn, Pal A.; Finstad, Bengt; Bonga, Sjoerd E. Wendelaar; Todd, Christopher D.; Hazon, Neil. **Physiological effects of simultaneous, abrupt seawater entry and sea lice (Lepeophtheirus**

salmonis) infestation of wild, sea-run brown trout (Salmo trutta) smolts. Canadian Journal of Fisheries and Aquatic Sciences (2006), 63(12), 2809-2821. CODEN: CJFSDX ISSN:0706-652X. CAN 146:479060 AN 2007:238201 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Metzsch, C.; Liao, Q.; Steen, S.; Algotsson, L. **Levosimendan cardioprotection reduces the metabolic response during temporary regional coronary occlusion in an open chest pig model.** Acta Anaesthesiologica Scandinavica (2006), Volume Date 2007, 51(1), 86-93. CODEN: AANEAB ISSN:0001-5172. CAN 146:372353 AN 2007:238001 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Power, R. A.; Hulver, M. W.; Zhang, J. Y.; Dubois, J.; Marchand, R. M.; Ilkayeva, O.; Muoio, D. M.; Mynatt, R. L. **Carnitine revisited: Potential use as adjunctive treatment in diabetes.** Diabetologia (2007), 50(4), 824-832. CODEN: DBTGAJ ISSN:0012-186X. AN 2007:237484 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Paiva, F. A.; Negrao, J. A.; Bueno, A. R.; Saran-Netto, A.; Lima, C. G. **Effects of colostrum feeding manner on passive immunity and levels of cortisol and plasmatic metabolites of Holstein calves.** Arquivo Brasileiro de Medicina Veterinaria e Zootecnia (2006), 58(5), 739-743. CODEN: ABMZDB ISSN:0102-0935. CAN 146:461288 AN 2007:233961 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Klotz, J. L.; Heitmann, R. N. **Changes in net portal nutrient flux in response to weaning transition and ionophore supplementation in dairy calves.** Journal of Dairy Science (2007), 90(3), 1326-1339. CODEN: JDSCAE ISSN:0022-0302. CAN 146:273382 AN 2007:231484 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Somoza, Beatriz; Guzman, Rocio; Cano, Victoria; Merino, Beatriz; Ramos, Pilar; Diez-Fernandez, Carmen; Fernandez-Alfonso, Maria S.; Ruiz-Gayo, Mariano. **Induction of cardiac uncoupling protein-2 expression and adenosine 5'-monophosphate-activated protein kinase phosphorylation during early states of diet-induced obesity in mice.** Endocrinology (2007), 148(3), 924-931. CODEN: ENDOAO ISSN:0013-7227. CAN 146:293208 AN 2007:231396 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhou, Feng; Bi, Jingxiu; Zeng, An-ping; Yuan, Jingqi. **A macrokinetic model for myeloma cell culture based on stoichiometric balance.** Biotechnology and Applied Biochemistry (2007), 46(2), 85-95. CODEN: BABIEC ISSN:0885-4513. CAN 146:460639 AN 2007:230989 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lahrsow, Jobst. **Food additive for supplying mineral substances in form of salt-hydrate melts.** PCT Int. Appl. (2007), 33pp. CODEN: PIXXD2 WO 2007022765 A1 20070301 CAN 146:251040 AN 2007:226772 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Constantinou, Maria A.; Tsantili-Kakoulidou, Anna; Andreadou, Ioanna; Iliodromitis, Efstathios K.; Kremastinos, Dimitrios Th.; Mikros, Emmanuel. **Application of NMR-based metabonomics in the investigation of myocardial ischemia-reperfusion, ischemic preconditioning and antioxidant intervention in rabbits.** European Journal of Pharmaceutical Sciences (2007), 30(3-4), 303-314. CODEN: EPSCED ISSN:0928-0987. CAN 146:457807 AN 2007:218822 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tian, Li-hua; Gao, Wei; Hu, Duan; Zhao, Hong; Yi, Cheng-la. **Value of monitoring oxygen metabolism in multiple organ dysfunction syndrome after severe trauma.** Zhongguo Weizhongbin Jijiu Yixue (2007), 19(1), 21-24. CODEN: ZWJYA4 ISSN:1003-0603. CAN 147:50100 AN 2007:215436 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Saritas, Zulfikar Kadir; Apaydin, Nusret; Ozgencil, Eser; Pamuk, Kamuran; Ulus, A. Tulga; Aksoyek, Aysen; Tutun, Ufuk; Parlar, Ali Ihsan; Katircioglu, Salih Fehmi. **Effects of ATP-MgCl₂ on myocardial**

ischemia-reperfusion injury: an in vivo experimental study. Turkish Journal of Veterinary and Animal Sciences (2006), 30(5), 471-475. CODEN: TJVAA5 CAN 146:330439 AN 2007:210602 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Yoshida, Akihito; Nishimura, Taku; Kawaguchi, Hideo; Inui, Masayuki; Yukawa, Hideaki. **Efficient induction of formate hydrogen lyase of aerobically grown Escherichia coli in a three-step biohydrogen production process.** Applied Microbiology and Biotechnology (2007), 74(4), 754-760. CODEN: AMBIDG ISSN:0175-7598. CAN 146:480633 AN 2007:206005 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Pirmie-Fisker, Erica F.; Woertz, Jennifer R. **Degradation of ethanol plant by-products by Exophiala lecanii-corni and Saccharomyces cerevisiae in batch studies.** Applied Microbiology and Biotechnology (2007), 74(4), 902-910. CODEN: AMBIDG ISSN:0175-7598. CAN 146:426987 AN 2007:206000 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Behrens, Jane W.; Steffensen, John F. **The effect of hypoxia on behavioural and physiological aspects of lesser sandeel, Ammodytes tobianus (Linnaeus, 1785).** Marine Biology (Heidelberg, Germany) (2007), 150(6), 1365-1377. CODEN: MBIOAJ ISSN:0025-3162. CAN 146:518486 AN 2007:205997 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Canovas, M.; Bernal, V.; Sevilla, A.; Iborra, J. L. **Salt stress effects on the central and carnitine metabolisms of Escherichia coli.** Biotechnology and Bioengineering (2007), 96(4), 722-737. CODEN: BIBIAU ISSN:0006-3592. CAN 146:437730 AN 2007:203870 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Jin, Song; Bland, Alan E.; Price, Herbert S. **Enhanced production and recovery of biogenic methane from underground formations by bacterial stimulation.** PCT Int. Appl. (2007), 93pp. CODEN: PIXXD2 WO 2007022122 A2 20070222 CAN 146:254959 AN 2007:200719 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Martin, Francois-Pierre J.; Wang, Yulan; Sprenger, Norbert; Holmes, Elaine; Lindon, John C.; Kochhar, Sunil; Nicholson, Jeremy K. **Effects of Probiotic Lactobacillus Paracasei Treatment on the Host Gut Tissue Metabolic Profiles Probed via Magic-Angle-Spinning NMR Spectroscopy.** Journal of Proteome Research (2007), 6(4), 1471-1481. CODEN: JPROBS ISSN:1535-3893. CAN 146:421162 AN 2007:199938 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lee, Sang Yup; Song, Hyohak; Jang, Yu Sin; Lim, Sung Won. **Gene encoding formate dehydrogenases D and E from Mannheimia succiniciproducens MBEL55E and its use in a method for preparing succinic acid.** U.S. Pat. Appl. Publ. (2007), 13 pp. CODEN: USXXCO US 2007042481 A1 20070222 CAN 146:245549 AN 2007:199397 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lee, Sang Yup; Song, Hyohak; Jang, Yu Sin; Kim, Ji Mahn. **Gene encoding fumarate hydratase C from Mannheimia succiniciproducens MBEL55E and its use in a method for preparing succinic acid.** U.S. Pat. Appl. Publ. (2007), 12pp. CODEN: USXXCO US 2007042477 A1 20070222 CAN 146:245548 AN 2007:199330 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lee, Sang Yup; Song, Hyohak; Jang, Yu Sin; Lee, Jeong Wook. **Gene encoding malic enzyme B from Mannheimia succiniciproducens MBEL55E and its use in a method for preparing succinic acid.** U.S. Pat. Appl. Publ. (2007), 13pp. CODEN: USXXCO US 2007042476 A1 20070222 CAN 146:245547 AN 2007:199288 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Chiarini, Anna; Dal Pra, Ilaria; Armato, Ubaldo. **In vitro and in vivo characteristics of frozen/thawed neonatal pig split-skin strips: a novel biologically active dressing for areas of severe, acute or chronic skin loss.** International Journal of Molecular Medicine (2007), 19(2), 245-255. CODEN: IJMMFG ISSN:1107-3756. CAN 146:302089 AN 2007:194699 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

SciFinder (R))

Teixeira, Ana P.; Alves, Carlos; Alves, Paula M.; Carrondo, Manuel J. T.; Oliveira, Rui. **Hybrid elementary flux analysis/nonparametric modeling: application for bioprocess control.** BMC Bioinformatics (2007), 8 No pp. given. CODEN: BBMIC4 ISSN:1471-2105. CAN 146:499418 AN 2007:194453 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Chang, Ching-Ping; Huang, Wu-Tein; Cheng, Bor-Chih; Hsu, Chuan-Chih; Lin, Mao-Tsun. **The flavonoid baicalin protects against cerebrovascular dysfunction and brain inflammation in experimental heatstroke.** Neuropharmacology (2007), 52(3), 1024-1033. CODEN: NEPHBW ISSN:0028-3908. CAN 146:394707 AN 2007:188937 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gondim, Fernando Jose; Zoppi, Claudio Cesar; Pereira-da-Silva, Lucia; Vaz de Macedo, Denise. **Determination of the anaerobic threshold and maximal lactate steady state speed in equines using the lactate minimum speed protocol.** Comparative Biochemistry and Physiology, Part A: Molecular & Integrative Physiology (2007), 146A(3), 375-380. CODEN: CBPAB5 ISSN:1095-6433. CAN 146:478174 AN 2007:188736 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

An, Shousong. **Manufacture of health care composition for relief of hangover.** Faming Zhuanli Shenqing Gongkai Shuomingshu (2007), 19pp. CODEN: CNXXEV CN 1911102 A 20070214 CAN 146:250837 AN 2007:186421 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tomioka, Setsuko; Mochizuki, Kentaro; Hisa, Yukari; Ogata, Hiroyasu. **Effect of low-dose metformin in Japanese patients with type 2 diabetes receiving sulfonylurea therapy.** Nippon Byoin Yakuzaisaikai Zasshi (2007), 43(1), 113-116. CODEN: NBYZEB ISSN:1341-8815. CAN 146:220763 AN 2007:185740 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Alwis, Diliny M.; Dutton, Roshni L.; Scharer, Jenö; Moo-Young, Murray. **Statistical methods in media optimization for batch and fed-batch animal cell culture.** Bioprocess and Biosystems Engineering (2007), 30(2), 107-113. CODEN: BBEIBV ISSN:1615-7591. CAN 146:378316 AN 2007:185649 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Katsura, Kenichiro; Katayama, Yasuo. **Cerebral ischemia and glucose metabolic disorder.** Bunshi No Kekkanbyo (2007), 6(1), 45-50. CODEN: BNKUA ISSN:1346-8995. CAN 146:355706 AN 2007:175337 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Orlic, Sandy; Redzepovic, Sulejman; Jeromel, Ana; Herjavec, Stanka; Iacumin, Lucilla. **Influence of indigenous Saccharomyces paradoxus strains on Chardonnay wine fermentation aroma.** International Journal of Food Science and Technology (2006), Volume Date 2007, 42(1), 95-101. CODEN: IJFTEZ ISSN:0950-5423. CAN 146:183356 AN 2007:167767 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Forcella, Matilde; Berra, Elisa; Giacchini, Roberto; Rossaro, Bruno; Parenti, Paolo. **Increased alanine concentration is associated with exposure to fenitrothion but not carbamates in Chironomus riparius larvae.** Ecotoxicology and Environmental Safety (2007), 66(3), 326-334. CODEN: EESADV ISSN:0147-6513. CAN 146:332262 AN 2007:160747 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ren, Nan-Qi; Hong, Chua; Chan, Shing-Yan; Tsang, Yiu-Fai; Sin, Ngai. **Effects of COD/SO₄²⁻ Ratios on an Acidogenic Sulfate-Reducing Reactor.** Industrial & Engineering Chemistry Research (2007), 46(6), 1661-1666. CODEN: IECRED ISSN:0888-5885. CAN 146:301252 AN 2007:155108 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Henry, O.; Kamen, A.; Perrier, M. **Monitoring the physiological state of mammalian cell perfusion processes by on-line estimation of intracellular fluxes.** Journal of Process Control (2007), 17(3),

241-251. CODEN: JPCOEO ISSN:0959-1524. CAN 146:480642 AN 2007:154583 CAPLUS
(Copyright (C) 2007 ACS on SciFinder (R))

Seesuriyachan, Phisit; Takenaka, Shinji; Kuntiya, Ampin; Klayraung, Srikarnjana; Murakami, Shuichiro; Aoki, Kenji. **Metabolism of azo dyes by Lactobacillus casei TISTR 1500 and effects of various factors on decolorization.** Water Research (2007), 41(5), 985-992. CODEN: WATRAG ISSN:0043-1354. CAN 146:406941 AN 2007:154450 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lu, Fuping; Du, Lianxiang; Li, Tao; Shi, Wenyu; Liu, Yihan. **Fermentation method with in-situ-separation via inorganic membrane.** Faming Zhuanli Shenqing Gongkai Shuomingshu (2007), 10pp. CODEN: CNXXEV CN 1908176 A 20070207 CAN 146:250400 AN 2007:153162 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lam, Tony K. T.; Gutierrez-Juarez, Roger; Poci, Alessandro; Bhanot, Sanjay; Tso, Patrick; Schwartz, Gary J.; Rossetti, Luciano. **Brain glucose metabolism controls the hepatic secretion of triglyceride-rich lipoproteins.** Nature Medicine (New York, NY, United States) (2007), 13(2), 171-180. CODEN: NAMEFI ISSN:1078-8956. CAN 146:226465 AN 2007:148780 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Shi, Xiushan. **Restriction factors, growth and metabolism of Vero cells cultured in bioreactors for production of vaccine.** Zhongguo Redai Yixue (2006), 6(1), 13-15. CODEN: ZRYHAR ISSN:1009-9727. CAN 147:51652 AN 2007:147311 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Papagianni, M.; Papamichael, E. M. **Modeling growth, substrate consumption and product formation of Penicillium nalgioense grown on meat simulation medium in submerged batch culture.** Journal of Industrial Microbiology & Biotechnology (2007), 34(3), 225-231. CODEN: JIMBFL ISSN:1367-5435. CAN 146:357359 AN 2007:143794 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wong, Wai Ming; Lam, Kong. **Peptides for the treatment of fatigue, metabolic disorders, hepatitis, and other conditions.** PCT Int. Appl. (2007), 70pp. CODEN: PIXXD2 WO 2007015918 A2 20070208 CAN 146:221148 AN 2007:143492 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wu, Min-Hsien; Urban, Jill P. G.; Cui, Zhan Feng; Cui, Zheng; Xu, Xia. **Effect of Extracellular pH on Matrix Synthesis by Chondrocytes in 3D Agarose Gel.** Biotechnology Progress (2007), 23(2), 430-434. CODEN: BIPRET ISSN:8756-7938. CAN 146:302073 AN 2007:142022 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Vo, Thuy D.; Lim, Shu K.; Lee, W. N. Paul; Palsson, Bernhard O. **Isotopomer analysis of cellular metabolism in tissue culture: a comparative study between the pathway and network-based methods.** Metabolomics (2006), 2(4), 243-256. CODEN: METAHQ ISSN:1573-3882. CAN 147:4781 AN 2007:141764 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Hanson, Niklas; Larsson, Aake. **Influence of feeding procedure on biomarkers in caged rainbow trout (Oncorhynchus mykiss) used in environmental monitoring.** Journal of Environmental Monitoring (2007), 9(2), 168-173. CODEN: JEMOFW ISSN:1464-0325. CAN 146:332179 AN 2007:136027 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Schuck, Patricia Fernanda; Tonin, Anelise; Ferreira, Gustavo da Costa; Rosa, Rafael Borba; Latini, Alexandra; Balestro, Fabricio; Perry, Marcos Luiz Santos; Wannmacher, Clovis Milton Duval; Wyse, Angela Terezinha de Souza; Wajner, Moacir. **In vitro effect of quinolinic acid on energy metabolism in brain of young rats.** Neuroscience Research (Amsterdam, Netherlands) (2007), 57(2), 277-288. CODEN: NERADN ISSN:0168-0102. CAN 146:454963 AN 2007:134518 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Polakof, Sergio; Ceinos, Rosa M.; Fernandez-Duran, Begona; Miguez, Jesus M.; Soengas, Jose L. **Daily**

changes in parameters of energy metabolism in brain of rainbow trout: Dependence on feeding. Comparative Biochemistry and Physiology, Part A: Molecular & Integrative Physiology (2007), 146A(2), 265-273. CODEN: CBPAB5 ISSN:1095-6433. CAN 146:315782 AN 2007:133085 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Abe, Hiroki; Hirai, Shun; Okada, Shigeru. **Metabolic responses and arginine kinase expression under hypoxic stress of the kuruma prawn *Marsupenaeus japonicus*.** Comparative Biochemistry and Physiology, Part A: Molecular & Integrative Physiology (2007), 146A(1), 40-46. CODEN: CBPAB5 ISSN:1095-6433. CAN 146:313082 AN 2007:133061 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Venkatesh, C.; Ramalingam, K. **Lactic acid, pyruvic acid and lactate/pyruvate ratio in the Anoplocephalid tapeworm *Stilesia globipunctata* infecting sheep (*Ovis aries*).** Veterinary Parasitology (2007), 144(1-2), 176-179. CODEN: VPARDI ISSN:0304-4017. CAN 146:458974 AN 2007:132981 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Nocca, G.; De Palma, F.; Minucci, A.; De Sole, P.; Martorana, G. E.; Calla, C.; Morlacchi, C.; Gozzo, M. L.; Gambarini, G.; Chimenti, C.; Giardina, B.; Lupi, A. **Alterations of energy metabolism and glutathione levels of HL-60 cells induced by methacrylates present in composite resins.** Journal of Dentistry (2007), 35(3), 187-194. CODEN: JDENAB ISSN:0300-5712. CAN 146:487412 AN 2007:132901 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Caperuto, Erico Chagas; Tomatieli, Ronaldo Vagner; Colquhoun, Alison; Seelaender, Marilia Cerqueira Leite; Costa Rosa, Luis Fernando Bicudo Pereira. **β -Hydroxy- β -methylbutyrate supplementation affects Walker 256 tumor-bearing rats in a time-dependent manner.** Clinical Nutrition (2007), 26(1), 117-122. CODEN: CLNUDP ISSN:0261-5614. CAN 146:461201 AN 2007:132503 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Balestri, Francesco; Giannecchini, Michela; Sgarrella, Francesco; Carta, Maria Caterina; Tozzi, Maria Grazia; Camici, Marcella. **Purine and pyrimidine nucleosides preserve human astrocytoma cell adenylate energy charge under ischemic conditions.** Neurochemistry International (2007), 50(3), 517-523. CODEN: NEUIDS ISSN:0197-0186. CAN 146:268734 AN 2007:132438 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wang, Joseph; Chatrathi, Madhu Prakash; Collins, Greg E. **Simultaneous microchip enzymatic measurements of blood lactate and glucose.** Analytica Chimica Acta (2007), 585(1), 11-16. CODEN: ACACAM ISSN:0003-2670. CAN 146:290746 AN 2007:131017 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Hochleitner, Boris; Hengster, Paul; Bucher, Herwig; Ladurner, Ruth; Schneeberger, Stefan; Krismer, Anette; Kleinsasser, Alex; Barnas, Usso; Klima, Guenter; Margreiter, Raimund. **Significant survival prolongation in pigs with fulminant hepatic failure treated with a novel microgravity-based bioartificial liver.** Artificial Organs (2006), 30(12), 906-914. CODEN: ARORD7 ISSN:0160-564X. CAN 146:258606 AN 2007:130564 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

De Boeck, G.; Van der Ven, K.; Meeus, W.; Blust, R. **Sublethal copper exposure induces respiratory stress in common and gibel carp but not in rainbow trout.** Comparative Biochemistry and Physiology, Part C: Toxicology & Pharmacology (2007), 144C(4), 380-390. CODEN: CBPPFK ISSN:1532-0456. CAN 146:245657 AN 2007:130474 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Hoerr, Verena; Hoffmann, Kerstin; Schollmayer, Curd; Holzgrave, Ulrike; Haase, Axel; Jakob, Peter; Faber, Cornelius. **Assessment of inhibitory potency of antibiotics by MRI: apparent T2 as a marker of cell growth.** Magnetic Resonance Materials in Physics, Biology and Medicine (2006), 19(5), 247-255. CODEN: MRBMEQ ISSN:0968-5243. CAN 146:457794 AN 2007:130429 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tang, Yinjie; Pingitore, Francesco; Mukhopadhyay, Aindrila; Phan, Richard; Hazen, Terry C.; Keasling, Jay D. **Pathway confirmation and flux analysis of central metabolic pathways in *Desulfovibrio vulgaris* Hildenborough using gas chromatography-mass spectrometry and fourier transform-ion cyclotron resonance mass spectrometry.** *Journal of Bacteriology* (2007), 189(3), 940-949. CODEN: JOBAAY ISSN:0021-9193. CAN 146:312534 AN 2007:123267 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tang, Yinjie J.; Meadows, Adam L.; Kirby, James; Keasling, Jay D. **Anaerobic central metabolic pathways in *Shewanella oneidensis* MR-1 reinterpreted in the light of isotopic metabolite labeling.** *Journal of Bacteriology* (2007), 189(3), 894-901. CODEN: JOBAAY ISSN:0021-9193. CAN 146:312533 AN 2007:123262 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Krzeminski, K.; Mikulski, T.; Nazar, K. **Effect of prolonged dynamic exercise on plasma adrenomedullin concentration in healthy young men.** *Journal of Physiology and Pharmacology* (2006), 57(4), 571-581. CODEN: JPHPEI ISSN:0867-5910. CAN 146:455672 AN 2007:122977 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

DiGirolamo, Mario; Cutchins, Alexis; Cotsonis, George A. **Early effects of a high-fat diet on adipocyte glucose metabolism, lipolysis and insulin resistance.** *Adipocytes* (2006), 2(2), 67-74. CODEN: ADIPD9 ISSN:1550-2082. CAN 146:273361 AN 2007:122581 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lauterbach, Michael; Horstick, Georg; Plum, Nicola; Lotz, Johannes; Lauterbach, Enise; Weilemann, Ludwig S.; Kempster, Oliver. **C1-esterase inhibitor reverses functional consequences of superior mesenteric artery ischemia/reperfusion by limiting reperfusion injury and restoring microcirculatory perfusion.** *Shock* (2007), 27(1), 75-83. CODEN: SAGUAI ISSN:1073-2322. CAN 146:266314 AN 2007:119870 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Matejovic, Martin; Krouzecky, Ales; Rokyta, Richard, Jr.; Radej, Jaroslav; Kralova, Hana; Treska, Vladislav; Radermacher, Peter; Novak, Ivan. **Effects of combining inducible nitric oxide synthase inhibitor and radical scavenger during porcine bacteremia.** *Shock* (2007), 27(1), 61-68. CODEN: SAGUAI ISSN:1073-2322. CAN 146:266188 AN 2007:119868 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Suski, Cory D.; Cooke, Steven J.; Tufts, Bruce L. **Failure of low-velocity swimming to enhance recovery from exhaustive exercise in largemouth bass (*Micropterus salmoides*).** *Physiological and Biochemical Zoology* (2007), 80(1), 78-87. CODEN: PBZOF6 ISSN:1522-2152. CAN 146:418734 AN 2007:119773 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Schilling, Oliver; Frick, Oliver; Herzberg, Christina; Ehrenreich, Armin; Heinzle, Elmar; Wittmann, Christoph; Stuelke, Joerg. **Transcriptional and metabolic responses of *Bacillus subtilis* to the availability of organic acids: transcription regulation is important but not sufficient to account for metabolic adaptation.** *Applied and Environmental Microbiology* (2007), 73(2), 499-507. CODEN: AEMIDF ISSN:0099-2240. CAN 146:269923 AN 2007:114907 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhu, Y.; Eiteman, M. A.; DeWitt, K.; Altman, E. **Homolactate fermentation by metabolically engineered *Escherichia coli* strains.** *Applied and Environmental Microbiology* (2007), 73(2), 456-464. CODEN: AEMIDF ISSN:0099-2240. CAN 146:315151 AN 2007:114901 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

White, Kimberly M.; Lyle, Roseann M.; Flynn, Michael G.; Teegarden, Dorothy; Donkin, Shawn S. **The acute effects of dairy calcium intake on fat metabolism during exercise and endurance exercise performance.** *International Journal of Sport Nutrition and Exercise Metabolism* (2006), 16(6), 565-579. CODEN: IJSNAA ISSN:1526-484X. CAN 146:250895 AN 2007:107628 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

2007 ACS on SciFinder (R))

Fujisawa, Tomohiko; Shinohara, Kenji; Kishimoto, Yoko; Terada, Atsushi. **Effect of miso soup containing Natto on the composition and metabolic activity of the human faecal flora.** *Microbial Ecology in Health and Disease* (2006), 18(2), 79-84. CODEN: MEHDE6 ISSN:0891-060X. CAN 146:251019 AN 2007:106968 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Constantinou, Maria A.; Vertzoni, Maria; Reppas, Christos; Tsantili-Kakoulidou, Anna; Mikros, Emmanuel. **¹H NMR Monitoring of the Canine Metabolic Profile after Oral Administration of Xenobiotics Using Multivariate Statistics.** *Molecular Pharmaceutics* (2007), 4(2), 258-268. CODEN: MPOHBP ISSN:1543-8384. CAN 146:287507 AN 2007:105423 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Di Costanzo, Luigi; Gomez, German A.; Christianson, David W. **Crystal structure of lactaldehyde dehydrogenase from Escherichia coli and inferences regarding substrate and cofactor specificity.** *Journal of Molecular Biology* (2007), 366(2), 481-493. CODEN: JMOBAK ISSN:0022-2836. CAN 146:246489 AN 2007:103046 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Payne, Anthony G. **Exploiting hypoxia in solid tumors to achieve oncolysis.** *Medical Hypotheses* (2007), 68(4), 828-831. CODEN: MEHYDY ISSN:0306-9877. CAN 146:492259 AN 2007:102891 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kim, Sung Hyun; Lee, Gyun Min. **Down-regulation of lactate dehydrogenase-A by siRNAs for reduced lactic acid formation of Chinese hamster ovary cells producing thrombopoietin.** *Applied Microbiology and Biotechnology* (2007), 74(1), 152-159. CODEN: AMBIDG ISSN:0175-7598. CAN 146:397648 AN 2007:102414 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Harada, Kuniaki; Honmou, Osamu; Liu, He; Bando, Michio; Houkin, Kiyohiro; Kocsis, Jeffery D. **Magnetic resonance lactate and lipid signals in rat brain after middle cerebral artery occlusion model.** *Brain Research* (2007), 1134(1), 206-213. CODEN: BRREAP ISSN:0006-8993. CAN 146:246565 AN 2007:98993 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Uehara, Takashi; Sumiyoshi, Tomiki; Itoh, Hiroko; Kurachi, Masayoshi. **Dopamine D1 and D2 receptors regulate extracellular lactate and glucose concentrations in the nucleus accumbens.** *Brain Research* (2007), 1133(1), 193-199. CODEN: BRREAP ISSN:0006-8993. CAN 146:309676 AN 2007:98962 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Xu, Fang-cheng; Hong, Hua-sheng; Long, Min-nan. **Enhanced hydrogen production of Klebsiella oxytoca HP1 by gas bubbling in liquid phase.** *Xiamen Daxue Xuebao, Ziran Kexueban* (2006), 45(6), 832-835. CODEN: HMHHAF ISSN:0438-0479. AN 2007:97178 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tuunanen, Helena; Engblom, Erik; Naum, Alexandru; Nagren, Kjell; Hesse, Birger; Airaksinen, K. E. Juhani; Nuutila, Pirjo; Iozzo, Patricia; Ukkonen, Heikki; Opie, Lionel H.; Knuuti, Juhani. **Free fatty acid depletion acutely decreases cardiac work and efficiency in cardiomyopathic heart failure.** *Circulation* (2006), 114(20), 2130-2137. CODEN: CIRCAZ ISSN:0009-7322. CAN 146:459842 AN 2007:96000 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gurd, B. J.; Peters, S. J.; Heigenhauser, G. J. F.; LeBlanc, P. J.; Doherty, T. J.; Paterson, D. H.; Kowalchuk, J. M. **Prior heavy exercise elevates pyruvate dehydrogenase activity and speeds O₂ uptake kinetics during subsequent moderate-intensity exercise in healthy young adults.** *Journal of Physiology (Oxford, United Kingdom)* (2006), 577(3), 985-996. CODEN: JPHYA7 ISSN:0022-3751. CAN 146:202846 AN 2007:94928 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Chokkalingam, K.; Jewell, K.; Norton, L.; Littlewood, J.; van Loon, L. J. C.; Mansell, P.; MacDonald, I. A.; Tsintzas, K. **High-fat/low-carbohydrate diet reduces insulin-stimulated carbohydrate oxidation but**

stimulates nonoxidative glucose disposal in humans: an important role for skeletal muscle pyruvate dehydrogenase kinase 4. *Journal of Clinical Endocrinology and Metabolism* (2007), 92(1), 284-292. CODEN: JCEMAZ ISSN:0021-972X. CAN 146:121037 AN 2007:94630 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Martin, D.; Meisel, H. **Ribonucleosides: Interesting nucleo compounds and chemical parameters for characterization of technological treatment of milk and milk products.** *Deutsche Lebensmittel-Rundschau* (2006), 102(11), 501-508. CODEN: DLRUJ ISSN:0012-0413. AN 2007:93585 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Bergenheim, A. Tommy; Roslin, Michael; Ungerstedt, Urban; Waldenstroem, Anders; Henriksson, Roger; Ronquist, Gunnar. **Metabolic manipulation of glioblastoma in vivo by retrograde microdialysis of L-2, 4 diaminobutyric acid (DAB).** *Journal of Neuro-Oncology* (2006), 80(3), 285-293. CODEN: JNODD2 ISSN:0167-594X. CAN 146:221047 AN 2007:93572 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zelder, Oskar; Herold, Andrea; Klopprogge, Corinna; Schroeder, Hartwig; Yocum, R. Rogers; Williams, Mark K. **Use of a Bacillus metI gene to improve methionine production in microorganisms.** *PCT Int. Appl.* (2007), 174pp. CODEN: PIXXD2 WO 2007011845 A2 20070125 CAN 146:161686 AN 2007:87278 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gonsolin, D.; Couturier, K.; Garait, B.; Rondel, S.; Novel-Chate, V.; Peltier, S.; Faure, P.; Gachon, P.; Boirie, Y.; Keriell, C.; Favier, R.; Pepe, S.; Demaison, L.; Lerverve, X. **High dietary sucrose triggers hyperinsulinemia, increases myocardial β -oxidation, reduces glycolytic flux and delays post-ischemic contractile recovery.** *Molecular and Cellular Biochemistry* (2007), 295(1&2), 217-228. CODEN: MCBIB8 ISSN:0300-8177. CAN 146:250960 AN 2007:85629 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhang, Hui; Li, Jun-dong; Su, Jin-sheng; Liu, Qi-wang; Yang, Xiao-tang; Wang, Xiao-chun. **Proton magnetic resonance spectroscopy of enhancement regions in brain astrocytomas.** *Zhongguo Yaowu Yu Linchuang* (2006), 6(11), 822-825. CODEN: ZYLLAK ISSN:1671-2560. CAN 147:50704 AN 2007:82292 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Choi, Hyung-Kyoon; Yoon, Jung-Hye. **Metabolomic profiling of Vitis vinifera cell suspension culture elicited with silver nitrate by 1H NMR spectrometry and principal components analysis.** *Process Biochemistry (Amsterdam, Netherlands)* (2007), 42(2), 271-274. CODEN: PBCHE5 ISSN:1359-5113. CAN 146:250346 AN 2007:73584 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Choi, Hyung-Kyoon; Yoon, Jung-Hye; Kim, Young-Suk; Kwon, Dae Young. **Metabolomic profiling of Cheonggukjang during fermentation by 1H NMR spectrometry and principal components analysis.** *Process Biochemistry (Amsterdam, Netherlands)* (2007), 42(2), 263-266. CODEN: PBCHE5 ISSN:1359-5113. CAN 146:250517 AN 2007:73582 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Albuquerque, Patricia Melchionna; Witt, Maria Alice; Stambuk, Boris Ugarte; Nascimento, Maria da Graca. **Influence of sugars on enantioselective reduction using Saccharomyces cerevisiae in organic solvent.** *Process Biochemistry (Amsterdam, Netherlands)* (2007), 42(2), 141-147. CODEN: PBCHE5 ISSN:1359-5113. CAN 146:357337 AN 2007:73566 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Edwards, Lainie; Kuesel, Kirsten; Drake, Harold; Kostka, Joel E. **Electron flow in acidic subsurface sediments co-contaminated with nitrate and uranium.** *Geochimica et Cosmochimica Acta* (2007), 71(3), 643-654. CODEN: GCACAK ISSN:0016-7037. CAN 146:345998 AN 2007:71622 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Shioiri, Terue; Yahagi, Keiko; Nakayama, Sachie; Asahara, Takashi; Yuki, Norikatsu; Kawakami, Koji;

Yamaoka, Yoshitaku; Sakai, Yuko; Nomoto, Koji; Totani, Masumi. **The effects of a synbiotic fermented milk beverage containing Lactobacillus casei strain shirota and transgalactosylated oligosaccharides on defecation frequency, intestinal microflora, organic acid concentrations, and putrefactive metabolites of sub-optimal health state volunteers: a randomized placebo-controlled cross-over study.** Bioscience and Microflora (2006), 25(4), 137-146. CODEN: BIMIFM ISSN:1342-1441. CAN 146:251012 AN 2007:69631 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lee, Sang Yup; Kim, Tae Yong; Lee, Dong Yup. **Use of metabolite flux sum to improve microbial fermentation performance.** PCT Int. Appl. (2007), 53pp. CODEN: PIXXD2 WO 2007007933 A1 20070118 CAN 146:141188 AN 2007:58853 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gopfert, E.; Trckova, M.; Dvorak, R. **The use of treated rape cake in a calf starter diet.** Czech Journal of Animal Science (2006), 51(11), 491-501. CODEN: CZJSFV ISSN:1212-1819. CAN 146:162306 AN 2007:56454 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Pan, Zhengzheng; Gu, Haiwei; Talaty, Nari; Chen, Huanwen; Shanaiah, Narasimhamurthy; Hainline, Bryan E.; Cooks, R. Graham; Raftery, Daniel. **Principal component analysis of urine metabolites detected by NMR and DESI-MS in patients with inborn errors of metabolism.** Analytical and Bioanalytical Chemistry (2007), 387(2), 539-549. CODEN: ABCNBP ISSN:1618-2642. CAN 146:223980 AN 2007:55705 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Long, Yun Chau; Glund, Stephan; Garcia-Roves, Pablo M.; Zierath, Juleen R. **Calcineurin Regulates Skeletal Muscle Metabolism via Coordinated Changes in Gene Expression.** Journal of Biological Chemistry (2007), 282(3), 1607-1614. CODEN: JBCHA3 ISSN:0021-9258. CAN 146:313198 AN 2007:49340 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Guminska, Maria; Ignacak, Jan; Kedryna, Teresa; Struszczyk, Henryk. **New use of chitosan.** Pol. (2006), 4pp. CODEN: POXXA7 PL 191503 B1 20060531 CAN 146:87417 AN 2007:44538 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Celotto, Alicia M.; Frank, Adam C.; Seigle, Jacquelyn L.; Palladino, Michael J. **Drosophila model of human inherited triosephosphate isomerase deficiency glycolytic enzymopathy.** Genetics (2006), 174(3), 1237-1246. CODEN: GENTAE ISSN:0016-6731. CAN 146:438538 AN 2007:43434 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gonchar, O.; Mankovskaya, I.; Klyuchko, E. **Role of complex nucleosides in the reversal of oxidative stress and metabolic disorders induced by acute nitrite poisoning.** Indian Journal of Pharmacology (2006), 38(6), 414-418. CODEN: INJPD2 ISSN:0253-7613. CAN 146:373873 AN 2007:43184 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Duewelhenke, N.; Krut, O.; Eysel, P. **Influence on mitochondria and cytotoxicity of different antibiotics administered in high concentrations on primary human osteoblasts and cell lines.** Antimicrobial Agents and Chemotherapy (2007), 51(1), 54-63. CODEN: AMACCQ ISSN:0066-4804. CAN 146:114339 AN 2007:40259 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Meloe, Torun M.; Sonnewald, Ursula; Touret, Monique; Nehlig, Astrid. **Cortical glutamate metabolism is enhanced in a genetic model of absence epilepsy.** Journal of Cerebral Blood Flow & Metabolism (2006), 26(12), 1496-1506. CODEN: JCBMDN ISSN:0271-678X. CAN 146:519531 AN 2007:40067 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wallis, Gareth A.; Yeo, Sophie E.; Blannin, Andrew K.; Jeukendrup, Asker E. **Dose-response effects of ingested carbohydrate on exercise metabolism in women.** Medicine & Science in Sports & Exercise (2007), 39(1), 131-138. CODEN: MSPEDA ISSN:0195-9131. CAN 146:401063 AN 2007:39730 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Fernandez, Maria; Linares, Daniel M.; Rodriguez, Ana; Alvarez, Miguel A. **Factors affecting tyramine**

production in *Enterococcus durans* IPLA 655. Applied Microbiology and Biotechnology (2007), 73(6), 1400-1406. CODEN: AMBIDG ISSN:0175-7598. AN 2007:35665 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tang, Yinjie J.; Meadows, Adam L.; Keasling, Jay D. **A kinetic model describing *Shewanella oneidensis* MR-1 growth, substrate consumption, and product secretion.** Biotechnology and Bioengineering (2006), Volume Date 2007, 96(1), 125-133. CODEN: BIBIAU ISSN:0006-3592. CAN 146:315159 AN 2007:34966 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wood, Brent E.; Ingram, Lonnie O.; Yomano, Lorraine P.; York, Sean W. **Recombinant *Klebsiella oxytoca* host cells disrupted in the butanediol pathway and improved minimal media for ethanol production.** PCT Int. Appl. (2007), 79pp. CODEN: PIXXD2 WO 2007005646 A2 20070111 CAN 146:141183 AN 2007:34073 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Stolz, John F.; Perera, Eranda; Kilonzo, Brian; Kail, Brian; Crable, Bryan; Fisher, Edward; Ranganathan, Mrunalini; Wormer, Lars; Basu, Partha. **Biotransformation of 3-nitro-4-hydroxybenzene arsonic acid (roxarsone) and release of inorganic arsenic by *Clostridium* species.** Environmental Science & Technology (2007), 41(3), 818-823. CODEN: ESTHAG ISSN:0013-936X. CAN 146:291301 AN 2007:30322 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Yoshida, Hiroo; Mizukoshi, Toshimi; Hirayama, Kazuo; Miyano, Hiroshi. **Comprehensive Analytical Method for the Determination of Hydrophilic Metabolites by High-Performance Liquid Chromatography and Mass Spectrometry.** Journal of Agricultural and Food Chemistry (2007), 55(3), 551-560. CODEN: JAFCAU ISSN:0021-8561. CAN 146:269588 AN 2007:30257 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gryshchenko, V. A. **Changes of carbohydrate metabolism indexes in calves after dyspepsia fed milk phospholipids.** Ukrain'skii Biokhimiichnii Zhurnal (2006), 78(5), 139-143. CODEN: UBZKAA CAN 146:228345 AN 2007:28545 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Maddock, Richard J.; Buonocore, Michael H.; Lavoie, Shawn P.; Copeland, Linda E.; Kile, Shawn J.; Richards, Anne L.; Ryan, John M. **Brain lactate responses during visual stimulation in fasting and hyperglycemic subjects: a proton magnetic resonance spectroscopy study at 1.5 tesla.** Psychiatry Research, Neuroimaging (2006), 148(1), 47-54. CODEN: PSREEK ISSN:0925-4927. CAN 147:27710 AN 2007:28049 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Santos, Ronaldo Vagner Thomatieli; Caperuto, Erico Chagas; Costa Rosa, Luis Fernando Bicudo Pereira. **Effects of acute exhaustive physical exercise upon glutamine metabolism of lymphocytes from trained rats.** Life Sciences (2007), 80(6), 573-578. CODEN: LIFSAK ISSN:0024-3205. CAN 146:248218 AN 2007:24718 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Constantinou, Maria A.; Theocharis, Stamatios E.; Mikros, Emmanuel. **Application of metabonomics on an experimental model of fibrosis and cirrhosis induced by thioacetamide in rats.** Toxicology and Applied Pharmacology (2007), 218(1), 11-19. CODEN: TXAPA9 ISSN:0041-008X. CAN 146:157402 AN 2007:23910 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Cho, Eun Jeong; Ellington, Andrew D. **Optimization of the biological component of a bioelectrochemical cell.** Bioelectrochemistry (2007), 70(1), 165-172. CODEN: BIOEFK ISSN:1567-5394. CAN 146:250345 AN 2007:18019 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Rossetti, Luciano; Lam, Tony; Gutierrez-Juarez, Roger; Herlands, Louis. **Modulation of amino acid metabolism in the hypothalamus.** PCT Int. Appl. (2007), 79pp. CODEN: PIXXD2 WO 2007002365 A2 20070104 CAN 146:93609 AN 2007:14617 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Liu, Jie-bo; Lin, Jian; Zhang, Tian-feng; Wu, Xian-zhe; Ma, Qin-hua; Shen, Da-guang. **Variation of**

magnetic resonance spectroscopy of lactate, creatinine and N-acetylaspartate in newborn after intrauterine fetal anoxia. Zhonghua Weichan Yixue Zazhi (2006), 9(5), 325-327, 1 plate. CODEN: ZWYZAE ISSN:1007-9408. CAN 147:50912 AN 2007:8845 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wang, Zhi-hong; Zhao, Na; Chen, Zhi; Xu, Xue-ming; Chen, Yan-hui. **The effect of fluvastatin on the SOD and MDA in adriablastine nephrosis rats.** Xiandai Yufang Yixue (2006), 33(9), 1620-1622, 1629. CODEN: XYYIFS ISSN:1003-8507. AN 2007:8767 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tamura, Y.; Ogihara, T.; Uchida, T.; Ikeda, F.; Kumashiro, N.; Nomiyama, T.; Sato, F.; Hirose, T.; Tanaka, Y.; Mochizuki, H.; Kawamori, R.; Watada, H. **Amelioration of glucose tolerance by hepatic inhibition of nuclear factor κ B in db/db mice.** Diabetologia (2007), 50(1), 131-141. CODEN: DBTGAIJ ISSN:0012-186X. CAN 147:49142 AN 2007:8214 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zarrinpashneh, Elham; Carjaval, Karla; Beauloye, Christophe; Ginion, Audrey; Mateo, Philippe; Pouleur, Anne-Catherine; Horman, Sandrine; Vaulont, Sophie; Hoerter, Jacqueline; Viollet, Benoit; Hue, Louis; Vanoverschelde, Jean-Louis; Bertrand, Luc. **Role of the α 2-isoform of AMP-activated protein kinase in the metabolic response of the heart to no-flow ischemia.** American Journal of Physiology (2006), 291(6, Pt. 2), H2875-H2883. CODEN: AJPHAP ISSN:0002-9513. CAN 146:118750 AN 2007:4005 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Birkenfeld, Andreas L.; Boschmann, Michael; Moro, Cedric; Adams, Frauke; Heusser, Karsten; Tank, Jens; Diedrich, Andre; Schroeder, Christoph; Franke, Gabi; Berlan, Michel; Luft, Friedrich C.; Lafontan, Max; Jordan, Jens. **β -adrenergic and atrial natriuretic peptide interactions on human cardiovascular and metabolic regulation.** Journal of Clinical Endocrinology and Metabolism (2006), 91(12), 5069-5075. CODEN: JCEMAZ ISSN:0021-972X. CAN 146:115303 AN 2006:1358956 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Stephens, Francis B.; Constantin-Teodosiu, Dumitru; Laithwaite, David; Simpson, Elizabeth J.; Greenhaff, Paul L. **An acute increase in skeletal muscle carnitine content alters fuel metabolism in resting human skeletal muscle.** Journal of Clinical Endocrinology and Metabolism (2006), 91(12), 5013-5018. CODEN: JCEMAZ ISSN:0021-972X. CAN 146:479219 AN 2006:1358947 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Le, Kim-Anne; Faeh, David; Stettler, Rodrigue; Ith, Michael; Kreis, Roland; Vermathen, Peter; Boesch, Chris; Ravussin, Eric; Tappy, Luc. **A 4-wk high-fructose diet alters lipid metabolism without affecting insulin sensitivity or ectopic lipids in healthy humans.** American Journal of Clinical Nutrition (2006), 84(6), 1374-1379. CODEN: AJCNAC ISSN:0002-9165. CAN 146:81044 AN 2006:1358861 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tyner, Tim R.; Tong, Winnie; Donovan, Kelli; McDonald, Travis; Sian, Kenty; Yamaguchi, Kent T. **Dichloroacetate reduces tissue necrosis in a rat transverse rectus abdominis musculocutaneous flap model.** Annals of Plastic Surgery (2006), 56(3), 320-326. CODEN: APCSD4 ISSN:0148-7043. CAN 146:75073 AN 2006:1358663 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Styczynski, Mark P.; Moxley, Joel F.; Tong, Lily V.; Walther, Jason L.; Jensen, Kyle L.; Stephanopoulos, Gregory N. **Systematic Identification of Conserved Metabolites in GC/MS Data for Metabolomics and Biomarker Discovery.** Analytical Chemistry (2007), 79(3), 966-973. CODEN: ANCHAM ISSN:0003-2700. CAN 146:201495 AN 2006:1349403 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Otsuki, D. A.; Fantoni, D. T.; Margarido, C. B.; Marumo, C. K.; Intelizano, T.; Pasqualucci, C. A.; Costa Auler, J. O., Jr. **Hydroxyethyl starch is superior to lactated Ringer as a replacement fluid in a pig model of acute normovolaemic hemodilution.** British Journal of Anaesthesia (2007), 98(1), 29-37.

CODEN: BJANAD ISSN:0007-0912. CAN 146:414620 AN 2006:1349110 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Teusink, Bas; Wiersma, Anne; Molenaar, Douwe; Francke, Christof; de Vos, Willem M.; Siezen, Roland J.; Smid, Eddy J. **Analysis of Growth of Lactobacillus plantarum WCFS1 on a Complex Medium Using a Genome-scale Metabolic Model.** Journal of Biological Chemistry (2006), 281(52), 40041-40048. CODEN: JBCHA3 ISSN:0021-9258. CAN 146:224499 AN 2006:1348507 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Marwood, Simon; Bowtell, Joanna L. **Effects of glutamine and hyperoxia on pulmonary oxygen uptake and muscle deoxygenation kinetics.** European Journal of Applied Physiology (2007), 99(2), 149-161. CODEN: EJAPFN ISSN:1439-6319. CAN 146:418973 AN 2006:1347423 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Libourel, I. G. L.; van Bodegom, P. M.; Fricker, M. D.; Ratcliffe, R. G. **Nitrite reduces cytoplasmic acidosis under anoxia.** Plant Physiology (2006), 142(4), 1710-1717. CODEN: PLPHAY ISSN:0032-0889. CAN 146:159322 AN 2006:1344167 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Bochner, Barry; Wiater, Larry. **Methods and kits for obtaining a metabolic profile of living animal or plant cells in a multi-test format.** U.S. Pat. Appl. Publ. (2006), 67pp., Cont.-in-part of U.S. Ser. No. 192,161. CODEN: USXXCO US 2006286627 A1 20061221 CAN 146:77532 AN 2006:1342373 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Schenetti, Luisa; Mucci, Adele; Parenti, Francesca; Cagnoli, Rita; Righi, Valeria; Tosi, M. Raffaella; Tugnoli, Vitaliano. **HR-MAS NMR spectroscopy in the characterization of human tissues: application to healthy gastric mucosa.** Concepts in Magnetic Resonance, Part A: Bridging Education and Research (2006), 28A(6), 430-443. CODEN: CMRPC2 ISSN:1546-6086. CAN 146:333368 AN 2006:1340810 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Inscore, Frank; Shende, Chetan; Giff, Alan; Maksymiuk, Paul; Farquharson, Stuart. **Astronaut health monitoring.** Proceedings of SPIE-The International Society for Optical Engineering (2006), 6380(Smart Medical and Biomedical Sensor Technology IV), 63800V/1-63800V/7. CODEN: PSISDG ISSN:0277-786X. CAN 146:375088 AN 2006:1335500 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Andersson, A.; Fenhammar, J.; Frithiof, R.; Sollevi, A.; Hjelmqvist, H. **Haemodynamic and metabolic effects of resuscitation with Ringer's ethyl pyruvate in the acute phase of porcine endotoxaemic shock.** Acta Anaesthesiologica Scandinavica (2006), 50(10), 1198-1206. CODEN: AANEAB ISSN:0001-5172. CAN 146:198208 AN 2006:1334667 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Thorburn, Megan S.; Vistisen, Bodil; Thorp, Rhys M.; Rockell, Mike J.; Jeukendrup, Asker E.; Xu, Xuebing; Rowlands, David S. **Attenuated gastric distress but no benefit to performance with adaptation to octanoate-rich esterified oils in well-trained male cyclists.** Journal of Applied Physiology (2006), 101(6), 1733-1743. CODEN: JAPHEV ISSN:8750-7587. CAN 146:99802 AN 2006:1334589 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Braun, Neiva; de Lima, Ronaldo Lima; Moraes, Bibiana; Loro, Vania Lucia; Baldisserotto, Bernardo. **Survival, growth and biochemical parameters of silver catfish, Rhamdia quelen (Quoy & Gaimard, 1824), juveniles exposed to different dissolved oxygen levels.** Aquaculture Research (2006), 37(15), 1524-1531. CODEN: AQREFC ISSN:1355-557X. CAN 146:398635 AN 2006:1334183 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lankveld, D. P. K.; Driessen, B.; Soma, L. R.; Moate, P. J.; Rudy, J.; Uboh, C. E.; Van Dijk, P.; Hellebrekers, L. J. **Pharmacodynamic effects and pharmacokinetic profile of a long-term continuous rate infusion of racemic ketamine in healthy conscious horses.** Journal of Veterinary

Pharmacology and Therapeutics (2006), 29(6), 477-488. CODEN: JVPTD9 ISSN:0140-7783. CAN 146:197706 AN 2006:1334071 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Sattler, Ulrike G. A.; Walenta, Stefan; Mueller-Klieser, Wolfgang. **A bioluminescence technique for quantitative and structure-associated imaging of pyruvate.** Laboratory Investigation (2007), 87(1), 84-92. CODEN: LAINAW ISSN:0023-6837. CAN 146:375041 AN 2006:1327466 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ill, Amanda M.; Mitchell, Todd R.; Neely, Elizabeth B.; Connor, James R. **Metabolic analysis of mouse brains that have compromised iron storage.** Metabolic Brain Disease (2006), 21(2/3), 77-87. CODEN: MBDIEE ISSN:0885-7490. CAN 146:460141 AN 2006:1324766 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ramautar, Rawi; Somsen, Govert W.; Jong, Gerhardus J. **Direct sample injection for capillary electrophoretic determination of organic acids in cerebrospinal fluid.** Analytical and Bioanalytical Chemistry (2007), 387(1), 293-301. CODEN: ABCNBP ISSN:1618-2642. CAN 146:180018 AN 2006:1324157 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lopes, F. A.; Morin, P.; Oliveira, R.; Melo, L. F. **Interaction of Desulfovibrio desulfuricans biofilms with stainless steel surface and its impact on bacterial metabolism.** Journal of Applied Microbiology (2006), 101(5), 1087-1095. CODEN: JAMIFK ISSN:1364-5072. CAN 147:48471 AN 2006:1320293 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lanciotti, Rosalba; Patrignani, Francesca; Lucci, Luciana; Saracino, Pasquale; Guerzoni, M. Elisabetta. **Potential of high pressure homogenization in the control and enhancement of proteolytic and fermentative activities of some Lactobacillus species.** Food Chemistry (2007), 102(2), 542-550. CODEN: FOCHDJ ISSN:0308-8146. CAN 146:161838 AN 2006:1320000 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Rogers, Karyn L.; Amend, Jan P. **Energetics of potential heterotrophic metabolisms in the marine hydrothermal system of Vulcano Island, Italy.** Geochimica et Cosmochimica Acta (2006), 70(24), 6180-6200. CODEN: GCACAK ISSN:0016-7037. CAN 146:224498 AN 2006:1319934 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Schobert, Rainer; Dietrich, Matthias; Mullen, Gillian; Urbina-Gonzalez, Juan-Manuel. **Phosphorus glide based functionalizations of tetric and tetramic acids.** Synthesis (2006), (22), 3902-3914. CODEN: SYNTBF ISSN:0039-7881. CAN 146:274148 AN 2006:1319219 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Al-Khalili, Lubna; Bouzakri, Karim; Glund, Stephan; Loennqvist, Fredrik; Koistinen, Heikki A.; Krook, Anna. **Signaling specificity of interleukin-6 action on glucose and lipid metabolism in skeletal muscle.** Molecular Endocrinology (2006), 20(12), 3364-3375. CODEN: MOENEN ISSN:0888-8809. CAN 146:221727 AN 2006:1317118 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Coen, Muireann; Bodkin, Jennifer; Power, Damla; Bubb, William A.; Himmelreich, Uwe; Kuchel, Philip W.; Sorrell, Tania C. **Antifungal effects on metabolite profiles of medically important yeast species measured by nuclear magnetic resonance spectroscopy.** Antimicrobial Agents and Chemotherapy (2006), 50(12), 4018-4026. CODEN: AMACCQ ISSN:0066-4804. CAN 146:138061 AN 2006:1317053 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Simpson, Julie A.; Agbenyega, Tsiri; Barnes, Karen I.; Di Perri, Gianni; Folb, Peter; Gomes, Melba; Krishna, Sanjeev; Krudsood, Srivicha; Looareesuwan, Sornchai; Mansor, Sharif; McIlleron, Helen; Miller, Raymond; Molyneux, Malcolm; Mwenechanya, James; Navaratnam, Visweswaran; Nosten, Francois; Olliaro, Piero; Pang, Lorrin; Ribeiro, Isabela; Tembo, Madalitso; van Vugt, Michele; Ward, Steve; Weerasuriya, Kris; Win, Kyaw; White, Nicholas J. **Population pharmacokinetics of artesunate and dihydroartemisinin following intra-rectal dosing of artesunate in malaria patients.** PLoS Medicine

(2006), 3(11), 2113-2123. CODEN: PMLEAC ISSN:1549-1277. CAN 146:197701 AN 2006:1316513
CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Heuer, Verena; Elvert, Marcus; Tille, Stefanie; Krummen, Michael; Mollar, Xavier Prieto; Hmelo, Laura R.; Hinrichs, Kai-Uwe. **Online δ ¹³C analysis of volatile fatty acids in sediment/porewater systems by liquid chromatography-isotope ratio mass spectrometry.** *Limnology and Oceanography: Methods* (2006), 4(Nov.), 346-357. CODEN: LOMIBY CAN 147:57717 AN 2006:1316480 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Pundik, Svetlana; Robinson, Shenandoah; Lust, W. David; Zechel, Jennifer; Buczek, Marek; Selman, Warren R. **Regional metabolic status of the E-18 rat fetal brain following transient hypoxia/ischemia.** *Metabolic Brain Disease* (2006), 21(4), 309-317. CODEN: MBDIEE ISSN:0885-7490. CAN 146:519515 AN 2006:1314632 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tsai, Ching-Wei; Yang, Chih-Chao; Chen, Huey-Ling; Hwu, Wuh-Liang; Wu, Mu-Zon; Liu, Kao-Lang; Wu, Ming-Shiang. **Homozygous SLC25A13 mutation in a Taiwanese patient with adult-onset citrullinemia complicated with steatosis and hepatocellular carcinoma.** *Journal of the Formosan Medical Association* (2006), 105(10), 852-856. CODEN: JFASEO ISSN:0929-6646. CAN 146:314374 AN 2006:1307324 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Inoue, Suguru; Oshima, Yuji; Abe, Shin-ichiro; Wu, Rudolf S. S.; Kai, Norihisa; Honjo, Tsuneo. **Effects of tributyltin on the energy metabolism of pen shell (*Atrina pectinata japonica*).** *Chemosphere* (2007), 66(7), 1226-1229. CODEN: CSMHAF ISSN:0045-6535. CAN 146:289648 AN 2006:1301888 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ikeuchi, Mayumi; Koyama, Tomoyuki; Takahashi, Jiro; Yazawa, Kazunaga. **Effects of astaxanthin supplementation on exercise-induced fatigue in mice.** *Biological & Pharmaceutical Bulletin* (2006), 29(10), 2106-2110. CODEN: BPLEO ISSN:0918-6158. CAN 146:114955 AN 2006:1300856 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wehrl, Suzanne; Reynolds, Robert; Segal, Stanton. **Metabolic fate of administered [¹³C]galactose in tissues of galactose-1-phosphate uridylyl transferase deficient mice determined by nuclear magnetic resonance.** *Molecular Genetics and Metabolism* (2007), 90(1), 42-48. CODEN: MGMEFF ISSN:1096-7192. CAN 146:160768 AN 2006:1299641 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Chen, Xiang-Jian; Meng, Dan; Feng, Lin; Bian, Yun-Yun; Li, Ping; Yang, Di; Cao, Ke-Jiang; Zhang, Ji-Nan. **Protective effect of astragalosides on myocardial injury by isoproterenol in SD rats.** *American Journal of Chinese Medicine* (2006), 34(6), 1015-1025. CODEN: AJCMB A ISSN:0192-415X. CAN 146:372296 AN 2006:1297768 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Virji, Mohamed A.; Mohan, Deepak; Borysenko, Christopher W.; Trucco, Giuliana; Blair, Harry C. **Serum phosphate and lactate vary with FSH in an early postmenopausal population.** *Clinical Biochemistry* (2006), 39(12), 1164-1167. CODEN: CLBIAS ISSN:0009-9120. CAN 146:351685 AN 2006:1295367 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Boubriak, Olga A.; Urban, Jill P. G.; Cui, Zhanfeng. **Monitoring of metabolite gradients in tissue-engineered constructs.** *Journal of the Royal Society, Interface* (2006), 3(10), 637-648. CODEN: JRSICU ISSN:1742-5689. CAN 146:107314 AN 2006:1292323 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wade, Mary Margaret; Zhang, Ying. **Effects of weak acids, UV and proton motive force inhibitors on pyrazinamide activity against *Mycobacterium tuberculosis* in vitro.** *Journal of Antimicrobial Chemotherapy* (2006), 58(5), 936-941. CODEN: JACHDX ISSN:0305-7453. CAN 146:138688 AN 2006:1289479 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Baltrusch, Simone; Langer, Sara; Massa, Laura; Tiedge, Markus; Lenzen, Sigurd. **Improved metabolic stimulus for glucose-induced insulin secretion through GK and PFK-2/FBPase-2 coexpression in insulin-producing RINm5F cells.** *Endocrinology* (2006), 147(12), 5768-5776. CODEN: ENDOAO ISSN:0013-7227. CAN 146:93786 AN 2006:1289420 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Enoki, Taisuke; Yoshida, Yuko; Lally, James; Hatta, Hideo; Bonen, Arend. **Testosterone increases lactate transport, monocarboxylate transporter (MCT) 1 and MCT4 in rat skeletal muscle.** *Journal of Physiology (Oxford, United Kingdom)* (2006), 577(1), 433-443. CODEN: JPHYA7 ISSN:0022-3751. CAN 146:75445 AN 2006:1289241 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kuorelahti, Satu; Penttilae, Merja; Richard, Peter. **Cloning and sequence of Hypocrea jecorina L-galactonic acid dehydratase, and use for microbial conversion of sugar acids.** *PCT Int. Appl.* (2006), 27pp. CODEN: PIXXD2 WO 2006128965 A1 20061207 CAN 146:57583 AN 2006:1283326 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Bai, Shijun; Xu, Zirong. **Effects of cadmium on mitochondrion structure and energy metabolism of Pelteobagrus fulvidraco gill.** *Yingyong Shengtai Xuebao* (2006), 17(7), 1213-1217. CODEN: YSXUER ISSN:1001-9332. CAN 147:47049 AN 2006:1277182 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Chu, Cheng-feng; Mai, Xiao-li; Qin, Wei; Chen, Long-gui; Jia, Ai-ming; Zhong, Gang-cai. **Applied value of functional magnetic resonance imaging in diagnosis of brain tumors.** *Dongnan Daxue Xuebao, Yixueban* (2006), 25(5), 352-356. CODEN: DDXYA5 ISSN:1671-6264. AN 2006:1277080 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhou, Fang; Oberegger, Werner; Maes, Paul. **Modified-release composition of at least one form of venlafaxine.** *PCT Int. Appl.* (2006), 31pp. CODEN: PIXXD2 WO 2006130843 A1 20061207 CAN 146:33057 AN 2006:1275880 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Rasmussen, Peter; Plomgaard, Peter; Krogh-Madsen, Rikke; Kim, Yu-Sok; van Lieshout, Johannes J.; Secher, Niels H.; Quistorff, Bjoern. **MCA Vmean and the arterial lactate-to-pyruvate ratio correlate during rhythmic handgrip.** *Journal of Applied Physiology* (2006), 101(5), 1406-1411. CODEN: JAPHEV ISSN:8750-7587. CAN 146:518762 AN 2006:1271103 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Fomenko, E. J.; Slepov, E. V.; Inzhevatkin, E. V.; Savchenko, A. A. **Bioluminescent method for determination of concentration of metabolic substrates and NAD+ in the lymphocytes.** *Biomeditsinskaya Khimiya* (2006), 52(5), 507-510. CODEN: BKIHA8 CAN 146:160254 AN 2006:1269918 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tintos, Adrian; Gesto, Manuel; Miguez, Jesus M.; Soengas, Jose L. **Naphthalene treatment alters liver intermediary metabolism and levels of steroid hormones in plasma of rainbow trout (Oncorhynchus mykiss).** *Ecotoxicology and Environmental Safety* (2007), 66(2), 139-147. CODEN: EESADV ISSN:0147-6513. CAN 146:222671 AN 2006:1266613 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Mlynarik, Vladimir; Gambarota, Giulio; Frenkel, Hanne; Gruetter, Rolf. **Localized short-echo-time proton MR spectroscopy with full signal-intensity acquisition.** *Magnetic Resonance in Medicine* (2006), 56(5), 965-970. CODEN: MRMEEN ISSN:0740-3194. CAN 146:311948 AN 2006:1266098 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Pecota, Douglas C.; Rajgarhia, Vineet; Da Silva, Nancy A. **Sequential gene integration for the engineering of Kluyveromyces marxianus.** *Journal of Biotechnology* (2007), 127(3), 408-416. CODEN: JBITD4 ISSN:0168-1656. CAN 146:245205 AN 2006:1266017 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Schmitmeier, Stephanie; Langsch, Angelika; Jasmund, Inka; Bader, Augustinus. **Development and characterization of a small-scale bioreactor based on a bioartificial hepatic culture model for predictive pharmacological in vitro screenings.** *Biotechnology and Bioengineering* (2006), 95(6), 1198-1206. CODEN: BIBIAU ISSN:0006-3592. CAN 146:176081 AN 2006:1258598 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lan, Christopher Q.; Oddone, Gian; Mills, David A.; Block, David E. **Kinetics of *Lactococcus lactis* growth and metabolite formation under aerobic and anaerobic conditions in the presence or absence of hemin.** *Biotechnology and Bioengineering* (2006), 95(6), 1070-1080. CODEN: BIBIAU ISSN:0006-3592. CAN 146:161633 AN 2006:1258585 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Goodwin, Michael B.; Boshoff, Helena I.; Barry, Clifton E., III; Dowd, Cynthia S. **Quantification of small molecule organic acids from *Mycobacterium tuberculosis* culture supernatant using ion exclusion liquid chromatography/mass spectrometry.** *Rapid Communications in Mass Spectrometry* (2006), 20(22), 3345-3350. CODEN: RCMSEF ISSN:0951-4198. CAN 146:117454 AN 2006:1258404 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wang, Qingzhao; Chen, Xun; Yang, Yudi; Zhao, Xueming. **Genome-scale in silico aided metabolic analysis and flux comparisons of *Escherichia coli* to improve succinate production.** *Applied Microbiology and Biotechnology* (2006), 73(4), 887-894. CODEN: AMBIDG ISSN:0175-7598. CAN 146:227793 AN 2006:1254968 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Koopmans, S. J.; van der Meulen, J.; Dekker, R.; Corbijn, H.; Mroz, Z. **Diurnal variation in insulin-stimulated systemic glucose and amino acid utilization in pigs fed with identical meals at 12-hour intervals.** *Hormone and Metabolic Research* (2006), 38(9), 607-613. CODEN: HMMRA2 ISSN:0018-5043. CAN 146:156394 AN 2006:1254464 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Christopher, Michael; Rantzau, Christian; Chen, Zhi-Ping; Snow, Rodney; Kemp, Bruce; Alford, Frank P. **Impact of in vivo fatty acid oxidation blockade on glucose turnover and muscle glucose metabolism during low-dose AICAR infusion.** *American Journal of Physiology* (2006), 291(5, Pt. 1), E1131-E1140. CODEN: AJPHAP ISSN:0002-9513. CAN 146:55812 AN 2006:1254206 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Salinari, Serenella; Bertuzzi, Alessandro; Gandolfi, Alberto; Greco, Aldo V.; Scarfone, Antonino; Manco, Melania; Mingrone, Geltrude. **Dodecanedioic acid overcomes metabolic inflexibility in type 2 diabetic subjects.** *American Journal of Physiology* (2006), 291(5, Pt. 1), E1051-E1058. CODEN: AJPHAP ISSN:0002-9513. CAN 146:44766 AN 2006:1254195 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Fredriksson, Katarina; Hammarqvist, Folke; Strigaard, Karin; Hultenby, Kjell; Ljungqvist, Olle; Wernerman, Jan; Rooyackers, Olav. **Derangements in mitochondrial metabolism in intercostal and leg muscle of critically ill patients with sepsis-induced multiple organ failure.** *American Journal of Physiology* (2006), 291(5, Pt. 1), E1044-E1050. CODEN: AJPHAP ISSN:0002-9513. CAN 146:43014 AN 2006:1254194 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Thalen, Marcel; Venema, Marian; Dekker, Anita; Berwald, Luc; van den Ijssel, Jan; Zomer, Bert; Beuvery, Coen; Martens, Dirk; Tramper, Johannes. **Fed-batch cultivation of *Bordetella pertussis*: Metabolism and Pertussis Toxin production.** *Biologicals* (2006), 34(4), 289-297. CODEN: BILSEC ISSN:1045-1056. CAN 146:315101 AN 2006:1243398 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Telushkin, P. K.; Nozdrachev, A. D.; Potapov, P. P.; Medvedeva, N. B. **Metabolic indexes in rats with multiple insulin hypoglycemia.** *Problemy Endokrinologii* (2006), 52(5), 44-47. CODEN: PROEAS ISSN:0375-9660. CAN 146:160539 AN 2006:1242270 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kato-Noguchi, Hisashi. **Pyruvate metabolism in rice coleoptiles under anaerobiosis.** Plant Growth Regulation (2006), 50(1), 41-46. CODEN: PGRED3 ISSN:0167-6903. CAN 146:138954 AN 2006:1239044 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Vanky, Farkas B.; Hakanson, Erik; Jorfeldt, Lennart; Svedjeholm, Rolf. **Does glutamate influence myocardial and peripheral tissue metabolism after aortic valve replacement for aortic stenosis?** Clinical Nutrition (2006), 25(6), 913-922. CODEN: CLNUDP ISSN:0261-5614. CAN 146:266253 AN 2006:1237940 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Sousa, Maysa Vieira; Simoes, Herbert Gustavo; Oshiiwa, Marie; Rogero, Marcelo Macedo; Tirapegui, Julio. **Effects of acute carbohydrate supplementation during sessions of high-intensity intermittent exercise.** European Journal of Applied Physiology (2007), 99(1), 57-63. CODEN: EJAPFN ISSN:1439-6319. CAN 146:273317 AN 2006:1236236 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Casals-Pascual, Climent; Kai, Oscar; Lowe, Brett; English, Mike; Williams, Thomas N.; Maitland, Kathryn; Newton, Charles R. C. J.; Peshu, Norbert; Roberts, David J. **Lactate levels in severe malarial anaemia are associated with haemozoin-containing neutrophils and low levels of IL-12.** Malaria Journal (2006), 5 No pp. given. CODEN: MJAOAZ ISSN:1475-2875. CAN 146:160341 AN 2006:1231353 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tarasenko, A. S.; Linetska, M. V.; Storchak, L. G.; Himmelreich, N. H. **Effectiveness of extracellular lactate/pyruvate for sustaining synaptic vesicle proton gradient generation and vesicular accumulation of GABA.** Journal of Neurochemistry (2006), 99(3), 787-796. CODEN: JONRA9 ISSN:0022-3042. CAN 146:39244 AN 2006:1230926 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Newberry, Elizabeth P.; Xie, Yan; Kennedy, Susan M.; Luo, Jianyang; Davidson, Nicholas O. **Protection against Western diet-induced obesity and hepatic steatosis in liver fatty acid-binding protein knockout mice.** Hepatology (Hoboken, NJ, United States) (2006), 44(5), 1191-1205. CODEN: HPTLD9 ISSN:0270-9139. CAN 146:205463 AN 2006:1227612 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Skurvydas, A.; Streckis, V.; Mickeviciene, D.; Kamandulis, S.; Stanislovaitis, A.; Mamkus, G. **Effect of age on metabolic fatigue and on indirect symptoms of skeletal muscle damage after stretch-shortening exercise.** Journal of Sports Medicine and Physical Fitness (2006), 46(3), 431-441. CODEN: JMPFA3 ISSN:0022-4707. CAN 146:438783 AN 2006:1222555 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Hardy, Kristin M.; Locke, Bruce R.; Da Silva, Marilia; Kinsey, Stephen T. **A reaction-diffusion analysis of energetics in large muscle fibers secondarily evolved for aerobic locomotor function.** Journal of Experimental Biology (2006), 209(18), 3610-3620. CODEN: JEBIAM ISSN:0022-0949. CAN 146:479034 AN 2006:1219330 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tugnoli, Vitaliano; Schenetti, Luisa; Mucci, Adele; Parenti, Francesca; Cagnoli, Rita; Righi, Valeria; Trincherro, Andrea; Nocetti, Luca; Toraci, Cristian; Mavilla, Luciano; Trentini, Gianpaolo; Zunarelli, Elena; Tosi, M. Raffaella. **Ex vivo HR-MAS MRS of human meningiomas: a comparison with in vivo 1H MR spectra.** International Journal of Molecular Medicine (2006), 18(5), 859-869. CODEN: IJMMFG ISSN:1107-3756. CAN 146:290842 AN 2006:1219000 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lozovaya, V.; Ulanov, A.; Lygin, A.; Duncan, D.; Widholm, J. **Biochemical features of maize tissues with different capacities to regenerate plants.** Planta (2006), 224(6), 1385-1399. CODEN: PLANAB ISSN:0032-0935. CAN 146:159256 AN 2006:1214085 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Atherton, Helen J.; Bailey, Nigel J.; Zhang, Wen; Taylor, John; Major, Hilary; Shockcor, John; Clarke, Kieran; Griffin, Julian L. **A combined ¹H-NMR spectroscopy- and mass spectrometry-based metabolomic study of the PPAR- α null mutant mouse defines profound systemic changes in metabolism linked to the metabolic syndrome.** *Physiological Genomics* (2006), 27(2), 178-186. CODEN: PHGEFP ISSN:1094-8341. CAN 146:419805 AN 2006:1213418 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Hargreaves, Mark. **Metabolic factors in fatigue.** *Zhongguo Yundong Yixue Zazhi* (2006), 25(4), 481-486. CODEN: ZYYZAS ISSN:1000-6710. CAN 146:313129 AN 2006:1205979 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Amaral, Sandra; Moreno, Antonio J.; Santos, Maria Sancha; Seica, Raquel; Ramalho-Santos, Joao. **Effects of hyperglycemia on sperm and testicular cells of Goto-Kakizaki and streptozotocin-treated rat models for diabetes.** *Theriogenology* (2006), 66(9), 2056-2067. CODEN: THGNBO ISSN:0093-691X. CAN 146:419969 AN 2006:1205273 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Maeseneire, S. L.; Mey, M.; Vandedrinc, S.; Vandamme, E. J. **Metabolic characterisation of E. coli citrate synthase and phosphoenolpyruvate carboxylase mutants in aerobic cultures.** *Biotechnology Letters* (2006), 28(23), 1945-1953. CODEN: BILED3 ISSN:0141-5492. CAN 146:180470 AN 2006:1203936 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lacerda, Ana Cristina R.; Marubayashi, Umeko; Balthazar, Claudio H.; Leite, Laura H. R.; Coimbra, Candido C. **Central nitric oxide inhibition modifies metabolic adjustments induced by exercise in rats.** *Neuroscience Letters* (2006), 410(2), 152-156. CODEN: NELED5 ISSN:0304-3940. CAN 146:20690 AN 2006:1203147 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Quennet, Verena; Yaromina, Ala; Zips, Daniel; Rosner, Andrea; Walenta, Stefan; Baumann, Michael; Mueller-Klieser, Wolfgang. **Tumor lactate content predicts for response to fractionated irradiation of human squamous cell carcinomas in nude mice.** *Radiotherapy and Oncology* (2006), 81(2), 130-135. CODEN: RAONDT ISSN:0167-8140. AN 2006:1202591 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Hua, Qiang; Joyce, Andrew R.; Fong, Stephen S.; Palsson, Bernhard O. **Metabolic analysis of adaptive evolution for in silico-designed lactate-producing strains.** *Biotechnology and Bioengineering* (2006), 95(5), 992-1002. CODEN: BIBIAU ISSN:0006-3592. CAN 146:161630 AN 2006:1199103 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Vo, Thuy D.; Palsson, Bernhard O. **Isotopomer analysis of myocardial substrate metabolism: a systems biology approach.** *Biotechnology and Bioengineering* (2006), 95(5), 972-983. CODEN: BIBIAU ISSN:0006-3592. CAN 146:22688 AN 2006:1199101 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kalinchuk, A. V.; Lu, Y.; Stenberg, D.; Rosenberg, P. A.; Porkka-Heiskanen, T. **Nitric oxide production in the basal forebrain is required for recovery sleep.** *Journal of Neurochemistry* (2006), 99(2), 483-498. CODEN: JONRA9 ISSN:0022-3042. CAN 146:20681 AN 2006:1198262 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Jiang, Yuerong; Yin, Huijun; Zhang, Bo; Shi, Dazhuo. **Effects of gross saponins of tribulus on Na⁺-K⁺-ATPase and Ca²⁺-Mg²⁺-ATPase activity and lactic acid content in hyperlipemic rats with acute myocardial infarction.** *Zhongyao Xinyao Yu Linchuang Yaoli* (2006), 17(4), 248-250. CODEN: ZXYLAD ISSN:1003-9783. CAN 147:1424 AN 2006:1194434 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Quatravaux, S.; Remize, F.; Bryckaert, E.; Colavizza, D.; Guzzo, J. **Examination of Lactobacillus plantarum lactate metabolism side effects in relation to the modulation of aeration parameters.**

Journal of Applied Microbiology (2006), 101(4), 903-912. CODEN: JAMIFK ISSN:1364-5072. CAN 146:517696 AN 2006:1187279 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kabus, Armin. **Energy and redox metabolism of *Corynebacterium glutamicum***. Schriften des Forschungszentrums Juelich, Reihe Lebenswissenschaften/Life Sciences (2006), 27 i-xiv,1-115. CODEN: SFLSF9 ISSN:1433-5549. CAN 146:272603 AN 2006:1185352 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ravier, G.; Dugue, B.; Grappe, F.; Rouillon, J.-D. **Maximal accumulated oxygen deficit and blood responses of ammonia, lactate and pH after anaerobic test: A comparison between international and national elite karate athletes**. International Journal of Sports Medicine (2006), 27(10), 810-817. CODEN: IJSMDA ISSN:0172-4622. CAN 146:376609 AN 2006:1184045 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Santini, Maria Teresa; Romano, Rocco; Rainaldi, Gabriella; Indovina, Paola; Ferrante, Antonella; Motta, Andrea; Indovina, Pietro Luigi. **Temporal dynamics of 1H-NMR-visible metabolites during radiation-induced apoptosis in MG-63 human osteosarcoma spheroids**. Radiation Research (2006), 166(5), 734-745. CODEN: RAREAE ISSN:0033-7587. CAN 146:22611 AN 2006:1183229 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Newsholme, Eric A. **Tired out: biochemical explanations of physical and mental fatigue**. Biochemist (2006), 28(5), 27-29. CODEN: BCHMFZ ISSN:0954-982X. CAN 146:334950 AN 2006:1181963 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Rossetti, Luciano; Lam, Tony; Herlands, Louis. **Modulation of glucose metabolism, food intake, VLDL and triglyceride levels by manipulating tricarboxylate cycle flux through acetyl-CoA in the hypothalamus of the mammal**. PCT Int. Appl. (2006), 114pp. CODEN: PIXXD2 WO 2006119355 A2 20061109 CAN 145:483750 AN 2006:1176963 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Saquet, A. A.; Streif, J. **Fermentive metabolism in "Conference" pears under various storage conditions**. Journal of Horticultural Science & Biotechnology (2006), 81(5), 910-914. CODEN: JHSBFA ISSN:1462-0316. CAN 146:336853 AN 2006:1175075 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Strompfova, Viola; Marcinakova, Miroslava; Simonova, Monika; Gancarcikova, Sona; Jonecova, Zuzana; Scirankova, Luboslava; Koscova, Jana; Buleca, Viktor; Cobanova, Klaudia; Laukova, Andrea. **Enterococcus faecium EK13-an enterocin A-producing strain with probiotic character and its effect in piglets**. Anaerobe (2006), 12(5-6), 242-248. CODEN: ANAEF8 ISSN:1075-9964. CAN 146:205485 AN 2006:1172110 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Bongaerts, Ger P. A.; Wagener, D. J. Theo. **Increased hepatic gluconeogenesis: the secret of Lance Armstrong's success**. Medical Hypotheses (2006), Volume Date 2007, 68(1), 9-11. CODEN: MEHYDY ISSN:0306-9877. CAN 146:497544 AN 2006:1172101 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Miccheli, Alberta Tomassini; Micheli, Alfredo; Di Clemente, Roberta; Valerio, Mariacristina; Coluccia, Pierpaolo; Bizzarri, Mariano; Conti, Filippo. **NMR-based metabolic profiling of human hepatoma cells in relation to cell growth by culture media analysis**. Biochimica et Biophysica Acta, General Subjects (2006), 1760(11), 1723-1731. CODEN: BBGSB3 ISSN:0304-4165. CAN 146:95943 AN 2006:1170673 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

del Rosario Ayala, Maria; Racotta, Radu; Hernandez-Montes, Homero; Quevedo, Lucia. **Some metabolic effects on lactating rats of a low-energy diet restricted in good-quality protein**. British Journal of Nutrition (2006), 96(4), 667-673. CODEN: BJNUAV ISSN:0007-1145. CAN 146:26950 AN 2006:1167430 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Xiang, Yun; Gao, Hongchang; Zhu, Hang; Sun, Ninglei; Ma, Yuanye; Lei, Hao. **Neurochemical Changes in Brain Induced by Chronic Morphine Treatment: NMR Studies in Thalamus and Somatosensory Cortex of Rats.** *Neurochemical Research* (2006), 31(10), 1255-1261. CODEN: NEREDZ ISSN:0364-3190. CAN 146:20089 AN 2006:1165402 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wu, Min Hsien; Urban, Jill P. G.; Cui, Zheng; Cui, Zhan Feng. **Development of PDMS microbio reactor with well-defined and homogeneous culture environment for chondrocyte 3-D culture.** *Biomedical Microdevices* (2006), 8(4), 331-340. CODEN: BMICFC ISSN:1387-2176. CAN 146:315125 AN 2006:1159818 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Harker, Mark; Coulson, Helen; Fairweather, Iain; Taylor, David; Daykin, Clare A. **Study of metabolite composition of eccrine sweat from healthy male and female human subjects by 1H NMR spectroscopy.** *Metabolomics* (2006), 2(3), 105-112. CODEN: METAHQ ISSN:1573-3882. CAN 145:435170 AN 2006:1159579 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Pogorelov, A. G.; Rusakov, A. V.; Pogorelova, V. N. **Cytoplasmic K/Na balance in heart muscle cells of young and old rats under oxygen and substrate deficiency.** *Biofizika* (2006), 51(5), 852-858. CODEN: BIOFAI ISSN:0006-3029. CAN 145:414684 AN 2006:1155146 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Fatland-Bloom, Beth; Rai, Gyan; Rayapati, P. John; Tonukari, Nyerhovwo John. **Rhizopus promoter for regulating genes encoding enzymes that change carbon flux through metabolic pathways in microorganism.** *U.S. Pat. Appl. Publ.* (2006), 54pp. CODEN: USXXCO US 2006246560 A1 20061102 CAN 145:470073 AN 2006:1150372 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Bak, Lasse K.; Schousboe, Arne; Sonnewald, Ursula; Waagepetersen, Helle S. **Glucose is necessary to maintain neurotransmitter homeostasis during synaptic activity in cultured glutamatergic neurons.** *Journal of Cerebral Blood Flow & Metabolism* (2006), 26(10), 1285-1297. CODEN: JCBMDN ISSN:0271-678X. CAN 146:459315 AN 2006:1149135 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Fediuc, S.; Gaidhu, M. P.; Ceddia, R. B. **Inhibition of insulin-stimulated glycogen synthesis by 5-aminoimidazole-4-carboxamide-1- β -D-ribofuranoside-induced adenosine 5'-monophosphate-activated protein kinase activation: interactions with Akt, glycogen synthase kinase 3- α / β , and glycogen synthase in isolated rat soleus muscle.** *Endocrinology* (2006), 147(11), 5170-5177. CODEN: ENDOAO ISSN:0013-7227. CAN 145:410988 AN 2006:1143237 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Aziza, Majda; Amrane, Abdeltif. **Commensalism during submerged mixed culture of *Geotrichum candidum* and *Penicillium camembertii* on glutamate and lactate.** *Process Biochemistry* (Amsterdam, Netherlands) (2006), 41(12), 2452-2457. CODEN: PBCHE5 ISSN:1359-5113. CAN 146:138474 AN 2006:1138711 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Paramithiotis, Spiros; Gioulatos, Spiros; Tsakalidou, Effie; Kalantzopoulos, George. **Interactions between *Saccharomyces cerevisiae* and lactic acid bacteria in sourdough.** *Process Biochemistry* (Amsterdam, Netherlands) (2006), 41(12), 2429-2433. CODEN: PBCHE5 ISSN:1359-5113. CAN 146:26759 AN 2006:1138707 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ritter, Joachim B.; Genzel, Yvonne; Reichl, Udo. **High-performance anion-exchange chromatography using on-line electrolytic eluent generation for the determination of more than 25 intermediates from energy metabolism of mammalian cells in culture.** *Journal of Chromatography, B: Analytical Technologies in the Biomedical and Life Sciences* (2006), 843(2), 216-226. CODEN: JCBAAI ISSN:1570-0232. CAN 146:77246 AN 2006:1138634 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tintos, Adrian; Gesto, Manuel; Alvarez, Rosa; Miguez, Jesus M.; Soengas, Jose L. **Interactive effects of naphthalene treatment and the onset of vitellogenesis on energy metabolism in liver and gonad, and plasma steroid hormones of rainbow trout *Oncorhynchus mykiss*.** Comparative Biochemistry and Physiology, Part C: Toxicology & Pharmacology (2006), 144C(2), 155-165. CODEN: CBPPFK ISSN:1532-0456. CAN 146:21591 AN 2006:1138616 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhang, Zhi-xin; Ma, Chang-li; Bian, Rui-yan. **Study of biochemical characteristics of *Desulfotomaculum nigrificans*.** Xiandai Yufang Yixue (2006), 33(7), 1109-1110. CODEN: XYYIFS ISSN:1003-8507. CAN 146:437704 AN 2006:1136378 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Jouaville, Lionel F.; Fellmann, Nicole; Condert, Jean; Clottes, Eric. **Skeletal muscle expression of LDH and monocarboxylate transporters in growing rats submitted to protein malnutrition.** European Journal of Nutrition (2006), 45(6), 355-362. CODEN: EJNUFZ ISSN:1436-6207. CAN 146:315743 AN 2006:1135550 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Magalhaes, F. O.; Gouveia, L. M. B.; Torquato, M. T. C. G.; Paccola, G. M. G. F.; Piccinato, C. E.; Foss, M. C. **Metformin increases blood flow and forearm glucose uptake in a group of non-obese type 2 diabetes patients.** Hormone and Metabolic Research (2006), 38(8), 513-517. CODEN: HMMRA2 ISSN:0018-5043. CAN 146:19931 AN 2006:1134163 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

de Laplanche, Elodie; Gouget, Karine; Cleris, Guilhem; Dragounoff, Franck; Demont, Jocelyne; Morales, Anne; Bezin, Laurent; Godinot, Catherine; Perriere, Guy; Mouchiroud, Dominique; Simonnet, Helene. **Physiological oxygenation status is required for fully differentiated phenotype in kidney cortex proximal tubules.** American Journal of Physiology (2006), 291(4, Pt. 2), F750-F760. CODEN: AJPHAP ISSN:0002-9513. CAN 146:24492 AN 2006:1133683 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Devries, Michaela C.; Hamadeh, Mazen J.; Phillips, Stuart M.; Tarnopolsky, Mark A. **Menstrual cycle phase and sex influence muscle glycogen utilization and glucose turnover during moderate-intensity endurance exercise.** American Journal of Physiology (2006), 291(4, Pt. 2), R1120-R1128. CODEN: AJPHAP ISSN:0002-9513. CAN 145:435411 AN 2006:1133654 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhu, Wenjie; Chai, Liyuan; Wang, Yunyan. **Effective bacterial reduction of hexavalent chromium under alkaline conditions.** Advanced Processing of Metals and Materials, Sohn International Symposium, Proceedings, San Diego, CA, United States, Aug. 27-31, 2006 (2006), 9 345-355. CODEN: 69IOSZ CAN 146:343224 AN 2006:1132106 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Cheng, Wei; Klauke, Norbert; Sedgwick, Helen; Smith, Godfrey L.; Cooper, Jonathan M. **Metabolic monitoring of the electrically stimulated single heart cell within a microfluidic platform.** Lab on a Chip (2006), 6(11), 1424-1431. CODEN: LCAHAM ISSN:1473-0197. CAN 146:77204 AN 2006:1127321 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Herrero, Monica; Quiros, Covadonga; Garcia, Luis A.; Diaz, Mario. **Use of flow cytometry to follow the physiological states of microorganisms in cider fermentation processes.** Applied and Environmental Microbiology (2006), 72(10), 6725-6733. CODEN: AEMIDF ISSN:0099-2240. CAN 146:61256 AN 2006:1126266 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Behr, Juergen; Gaenzle, Michael G.; Vogel, Rudi F. **Characterization of a highly hop-resistant *Lactobacillus brevis* strain lacking hop transport.** Applied and Environmental Microbiology (2006), 72(10), 6483-6492. CODEN: AEMIDF ISSN:0099-2240. CAN 146:23484 AN 2006:1126235 CAPLUS

(Copyright (C) 2007 ACS on SciFinder (R))

Kucharczyk, John; Moseley, Michael E. **Imaging methods for early detection of brain tumors following embryonic stem cell implants.** U.S. Pat. Appl. Publ. (2006), 24pp., Cont.-in-part of U.S. Ser. No. 606,137. CODEN: USXXCO US 2006239920 A1 20061026 CAN 145:413174 AN 2006:1124456 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Martini, Wenjun Z.; Chinkes, David L.; Sondeen, Jill; Dubick, Michael A. **Effects of hemorrhage and lactated Ringer's resuscitation on coagulation and fibrinogen metabolism in swine.** Shock (2006), 26(4), 396-401. CODEN: SAGUAI ISSN:1073-2322. CAN 146:203562 AN 2006:1116918 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gilbert, Erin; Tang, J. Michael; Ludvig, Nandor; Bergold, Peter J. **Elevated lactate suppresses neuronal firing in vivo and inhibits glucose metabolism in hippocampal slice cultures.** Brain Research (2006), 1117(1), 213-223. CODEN: BRREAP ISSN:0006-8993. CAN 146:24455 AN 2006:1107275 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Yoshida, Akihito; Nishimura, Taku; Kawaguchi, Hideo; Inui, Masayuki; Yukawa, Hideaki. **Enhanced hydrogen production from glucose using ldh- and frd-inactivated Escherichia coli strains.** Applied Microbiology and Biotechnology (2006), 73(1), 67-72. CODEN: AMBIDG ISSN:0175-7598. CAN 146:141127 AN 2006:1104251 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

von Kalckreuth, Vera; Evans, Jennifer A.; Timmann, Christian; Kuhn, Daniela; Agbenyega, Tsiri; Horstmann, Rolf D.; May, Juergen. **Promoter polymorphism of the anion-exchange protein 1 associated with severe malarial anemia and fatality.** Journal of Infectious Diseases (2006), 194(7), 949-957. CODEN: JIDIAQ ISSN:0022-1899. CAN 146:98028 AN 2006:1103533 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gou, Shijin; Gou, Hongying. **Method for in vitro preparation of bezoar solution enriched with trace elements.** Faming Zhuanli Shenqing Gongkai Shuomingshu (2006), 8pp. CODEN: CNXXEV CN 1846711 A 20061018 CAN 145:460482 AN 2006:1099269 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Peltier, S.; Malaisse, W. J.; Portois, L.; Demaison, L.; Novel-Chate, V.; Chardigny, J. M.; Sebedio, J. L.; Carpentier, Y. A.; Leverve, X. M. **Acute in vivo administration of a fish oil-containing emulsion improves post-ischemic cardiac function in n-3-depleted rats.** International Journal of Molecular Medicine (2006), 18(4), 741-749. CODEN: IJMMFG ISSN:1107-3756. CAN 147:23153 AN 2006:1098523 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Githui, Elijah K.; Damian, Raymond T.; Aman, Rashid A. **Schistosoma mansoni: biochemical characterization of lactate transporters or similar proteins.** Experimental Parasitology (2006), 114(3), 180-188. CODEN: EXPAAA ISSN:0014-4894. CAN 146:139120 AN 2006:1083345 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Trinh, Cong T.; Carlson, Ross; Wlaschin, Aaron; Srienc, Friedrich. **Design, construction and performance of the most efficient biomass producing E. coli bacterium.** Metabolic Engineering (2006), 8(6), 628-638. CODEN: MEENFM ISSN:1096-7176. CAN 146:120526 AN 2006:1081658 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhu, Jiangfeng; Shalel-Levanon, Sagit; Bennett, George; San, Ka-Yiu. **Effect of the global redox sensing/regulation networks on Escherichia coli and metabolic flux distribution based on C-13 labeling experiments.** Metabolic Engineering (2006), 8(6), 619-627. CODEN: MEENFM ISSN:1096-7176. CAN 146:58436 AN 2006:1081657 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Canovas, M.; Sevilla, A.; Bernal, V.; Leal, R.; Iborra, J. L. **Role of energetic coenzyme pools in the production of L-carnitine by Escherichia coli.** Metabolic Engineering (2006), 8(6), 603-618.

CODEN: MEENFM ISSN:1096-7176. CAN 146:120471 AN 2006:1081656 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhang, Yanping; Li, Yin; Du, Chenyu; Liu, Ming; Cao, Zhu'an. **Inactivation of aldehyde dehydrogenase: A key factor for engineering 1,3-propanediol production by Klebsiella pneumoniae.** *Metabolic Engineering* (2006), 8(6), 578-586. CODEN: MEENFM ISSN:1096-7176. CAN 146:120513 AN 2006:1081654 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Vijayavel, K.; Rani, E. F.; Anbuselvam, C.; Balasubramanian, M. P. **Interactive effect of monocrotophos and ammonium chloride on the freshwater fish *Oreochromis mossambicus* with reference to lactate/pyruvate ratio.** *Pesticide Biochemistry and Physiology* (2006), 86(3), 157-161. CODEN: PCBPBS ISSN:0048-3575. CAN 146:21528 AN 2006:1081328 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Martinelli, Marcela I.; Mocchiutti, Norberto O.; Bernal, Claudio A. **Dietary di(2-ethylhexyl)phthalate-impaired glucose metabolism in experimental animals.** *Human & Experimental Toxicology* (2006), 25(9), 531-538. CODEN: HETOEA ISSN:0960-3271. CAN 146:76278 AN 2006:1074382 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Seletzky, Juri M.; Noack, Ute; Fricke, Jens; Hahn, Sebastian; Buechs, Jochen. **Metabolic activity of *Corynebacterium glutamicum* grown on L-lactic acid under stress.** *Applied Microbiology and Biotechnology* (2006), 72(6), 1297-1307. CODEN: AMBIDG ISSN:0175-7598. CAN 146:61088 AN 2006:1068669 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Coroadinha, A. S.; Alves, P. M.; Santos, S. Sa; Cruz, P. E.; Merten, O.-W.; Carrondo, M. J. T. **Retrovirus producer cell line metabolism: implications on viral productivity.** *Applied Microbiology and Biotechnology* (2006), 72(6), 1125-1135. CODEN: AMBIDG ISSN:0175-7598. CAN 146:61145 AN 2006:1068659 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Holmes, Elaine; Tsang, Tsz M.; Huang, Jeffrey T.-J.; Leweke, F. Markus; Koethe, Dagmar; Gerth, Christoph W.; Nolden, Brit M.; Gross, Sonja; Schreiber, Daniela; Nicholson, Jeremy K.; Bahn, Sabine. **Metabolic profiling of CSF: evidence that early intervention may impact on disease progression and outcome in schizophrenia.** *PLoS Medicine* (2006), 3(8), 1420-1428. CODEN: PMLEAC ISSN:1549-1277. CAN 146:249143 AN 2006:1056875 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Duarte, Ana I.; Proenca, Teresa; Oliveira, Catarina R.; Santos, Maria S.; Rego, A. Cristina. **Insulin restores metabolic function in cultured cortical neurons subjected to oxidative stress.** *Diabetes* (2006), 55(10), 2863-2870. CODEN: DIAEAZ ISSN:0012-1797. CAN 145:410970 AN 2006:1056096 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Parekh, Sapan B.; Bubb, William A.; Hunt, Nicholas H.; Rae, Caroline. **Brain metabolic markers reflect susceptibility status in cytokine gene knockout mice with murine cerebral malaria.** *International Journal for Parasitology* (2006), 36(13), 1409-1418. CODEN: IJPYBT ISSN:0020-7519. CAN 146:335249 AN 2006:1051364 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Darbin, Olivier; Carre, Emily; Naritoku, Dean; Risso, Jean Jacque; Lonjon, Michel; Patrylo, Peter R. **Glucose metabolites in the striatum of freely behaving rats following infusion of elevated potassium.** *Brain Research* (2006), 1116(1), 127-131. CODEN: BRREAP ISSN:0006-8993. CAN 145:415790 AN 2006:1051146 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kuci, Zyrafete; Hins, Juergen; Kuci, Selim; Renner, Susanne; Flottmann, Dirk; Bruchelt, Gernot. **Determination of glucose metabolites in stored erythrocytes and in erythrocytes from patients with thalassemia by analytical isotachopheresis.** *Journal of Biochemical and Biophysical Methods* (2006), 69(1-2), 79-87. CODEN: JBBMDG ISSN:0165-022X. CAN 146:41272 AN 2006:1050594 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ronnebaum, Sarah M.; Ilkayeva, Olga; Burgess, Shawn C.; Joseph, Jamie W.; Lu, Danhong; Stevens, Robert D.; Becker, Thomas C.; Sherry, A. Dean; Newgard, Christopher B.; Jensen, Mette V. **A Pyruvate cycling pathway involving cytosolic NADP-dependent isocitrate dehydrogenase regulates glucose-stimulated insulin secretion.** *Journal of Biological Chemistry* (2006), 281(41), 30593-30602. CODEN: JBCHA3 ISSN:0021-9258. CAN 145:410966 AN 2006:1048245 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Forbes, Shareen; Robinson, Stephen; Dingu, Jason; Anyaoku, Victor; Bannister, Peter; Forster, David; Dissanayake, Sujata; McCarthy, Mark I.; MacDonald, Ian A.; Venkatesan, Soundararajan; Johnston, Desmond G. **Sustained endogenous glucose production, diminished lipolysis and non-esterified fatty acid appearance and oxidation in non-obese women at high risk of type 2 diabetes.** *European Journal of Endocrinology* (2006), 155(3), 469-476. CODEN: EJOEEP ISSN:0804-4643. CAN 145:452860 AN 2006:1046822 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Martin, C.; Brossard, L.; Doreau, M. **Mechanisms of appearance of ruminal acidosis and consequences on physiopathology and performances.** *Productions Animales (Paris, France)* (2006), 19(2), 93-108. CODEN: PROAEK ISSN:0990-0632. CAN 146:160005 AN 2006:1046695 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kawahata, Miho; Masaki, Kazuo; Fujii, Tsutomu; Iefuji, Haruyuki. **Yeast genes involved in response to lactic acid and acetic acid: acidic conditions caused by the organic acids in *Saccharomyces cerevisiae* cultures induce expression of intracellular metal metabolism genes regulated by Aft1p.** *FEMS Yeast Research* (2006), 6(6), 924-936. CODEN: FYREAG ISSN:1567-1356. CAN 146:77721 AN 2006:1040575 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Walker, D. K.; Titgemeyer, E. C.; Drouillard, J. S.; Loe, E. R.; Depenbusch, B. E.; Webb, A. S. **Effects of ractopamine and protein source on growth performance and carcass characteristics of feedlot heifers.** *Journal of Animal Science (Savoy, IL, United States)* (2006), 84(10), 2795-2800. CODEN: JANSAG ISSN:0021-8812. CAN 145:376320 AN 2006:1028604 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Doutreleau, S.; Mettauer, B.; Piquard, F.; Rouyer, O.; Schaefer, A.; Lonsdorfer, J.; Geny, B. **Chronic L-arginine supplementation enhances endurance exercise tolerance in heart failure patients.** *International Journal of Sports Medicine* (2006), 27(7), 567-572. CODEN: IJSMDA ISSN:0172-4622. CAN 146:493416 AN 2006:1027562 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Popov, D. V.; Swirkun, D. V.; Natreba, A. I.; Tarasova, O. S.; Prostova, A. B.; Larina, I. M.; Borovik, A. S.; Vinogradova, O. L. **Hormonal adaptation determines the increase in muscle mass and strength during low-intensity strength training without relaxation.** *Human Physiology* (2006), 32(5), 609-614. CODEN: HUPHDC ISSN:0362-1197. CAN 146:455436 AN 2006:1026872 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Xu, Jinsheng; Purcell, Wendy M. **Energy metabolism and biotransformation as endpoints to pre-screen hepatotoxicity using a liver spheroid model.** *Toxicology and Applied Pharmacology* (2006), 216(2), 293-302. CODEN: TXAPA9 ISSN:0041-008X. CAN 145:390645 AN 2006:1019628 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Barker, Peter B.; Lin, Doris D. M. **In vivo proton MR spectroscopy of the human brain.** *Progress in Nuclear Magnetic Resonance Spectroscopy* (2006), 49(2), 99-128. CODEN: PNMRAT ISSN:0079-6565. CAN 146:353651 AN 2006:1017001 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kriegler, Steven M. **Phosphoenolpyruvate carboxykinase (PEPCK) regulation-based methods and compounds for treating seizure disorders.** *U.S. Pat. Appl. Publ.* (2006), 24pp. CODEN: USXXCO US 2006217303 A1 20060928 CAN 145:348627 AN 2006:1012558 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ishihara, Kenji; Katsutani, Naruo; Aoki, Toyohiko. **A metabonomics study of the hepatotoxicants galactosamine, methylene dianiline and clofibrate in rats.** Basic & Clinical Pharmacology & Toxicology (2006), 99(3), 251-260. CODEN: BCPTBO ISSN:1742-7835. CAN 145:329591 AN 2006:1007389 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Soengas, Jose L.; Polakof, Sergio; Chen, Xi; Sangiao-Alvarellos, Susana; Moon, Thomas W. **Glucokinase and hexokinase expression and activities in rainbow trout tissues: changes with food deprivation and refeeding.** American Journal of Physiology (2006), 291(3, Pt. 2), R810-R821. CODEN: AJPHAP ISSN:0002-9513. CAN 145:414508 AN 2006:1007145 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhou, Lufang; Cabrera, Marco E.; Okere, Isidore C.; Sharma, Naveen; Stanley, William C. **Regulation of myocardial substrate metabolism during increased energy expenditure: insights from computational studies.** American Journal of Physiology (2006), 291(3, Pt. 2), H1036-H1046. CODEN: AJPHAP ISSN:0002-9513. CAN 145:452294 AN 2006:1007050 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Russell, Vivienne A.; Oades, Robert D.; Tannock, Rosemary; Killeen, Peter R.; Auerbach, Judith G.; Johansen, Espen B.; Sagvolden, Terje. **Response variability in Attention-Deficit Hyperactivity Disorder: a neuronal and glial energetics hypothesis.** Behavioral and Brain Functions (2006), 2 No pp. given. CODEN: BBFEBO ISSN:1744-9081. CAN 146:5070 AN 2006:1000250 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Norager, C. B.; Jensen, M. B.; Weimann, A.; Madsen, M. R. **Metabolic effects of caffeine ingestion and physical work in 75-year old citizens. A randomized, double-blind placebo-controlled, cross-over study.** Clinical Endocrinology (Oxford, United Kingdom) (2006), 65(2), 223-228. CODEN: CLECAP ISSN:0300-0664. CAN 146:250988 AN 2006:997966 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Huntington, G. B.; Harmon, D. L.; Kristensen, N. B.; Hanson, K. C.; Spears, J. W. **Effects of a slow-release urea source on absorption of ammonia and endogenous production of urea by cattle.** Animal Feed Science and Technology (2006), 130(3-4), 225-241. CODEN: AFSTDH ISSN:0377-8401. CAN 146:294918 AN 2006:995170 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

McMillan, Kathryn M.; Rogers, Baxter P.; Field, Aaron S.; Laird, Angela R.; Fine, Jason P.; Meyerand, M. Elizabeth. **Physiologic characterisation of glioblastoma multiforme using MRI-based hypoxia mapping, chemical shift imaging, perfusion and diffusion maps.** Journal of Clinical Neuroscience (2006), 13(8), 811-817. CODEN: JCNUE6 ISSN:0967-5868. CAN 146:223910 AN 2006:995043 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhang, Weiwen; Culley, David E.; Gritsenko, Marina A.; Moore, Ronald J.; Nie, Lei; Scholten, Johannes C. M.; Petritis, Konstantinos; Strittmatter, Eric F.; Camp, David G.; Smith, Richard D.; Brockman, Fred J. **LC-MS/MS based proteomic analysis and functional inference of hypothetical proteins in Desulfovibrio vulgaris.** Biochemical and Biophysical Research Communications (2006), 349(4), 1412-1419. CODEN: BBRC9A ISSN:0006-291X. CAN 146:3592 AN 2006:995041 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Kumar, Anil; Pandey, Ila; Gupta, Nilin; Tiwari, D. P. **Effect of high roughage diet on enzyme profile and biochemical changes in the rumen of crossbred bullocks.** Indian Journal of Animal Sciences (2006), 76(8), 633-637. CODEN: IJLAA4 ISSN:0367-8318. AN 2006:994858 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Pruimboom-Brees, Ingrid; Haghpassand, Mehrdad; Royer, Lori; Brees, Dominique; Aldinger, Charles; Reagan, William; Singh, Jatinder; Kerlin, Roy; Kane, Christopher; Bagley, Scott; Hayward, Cheryl; Loy, James; O'Brien, Peter; Francone, Omar L. **A critical role for Peroxisomal proliferator-activated**

receptor- α nuclear receptors in the development of cardiomyocyte degeneration and necrosis. American Journal of Pathology (2006), 169(3), 750-760. CODEN: AJPAA4 ISSN:0002-9440. CAN 146:203507 AN 2006:991889 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Hackbarth, Araceli; Moraes, Gilberto. **Biochemical responses of matrinxa Brycon cephalus (Gunther, 1869) after sustained swimming.** Aquaculture Research (2006), 37(11), 1070-1078. CODEN: AQREFC ISSN:1355-557X. CAN 145:352268 AN 2006:991860 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wright, Jonathan C.; Ting, Kevin. **Respiratory physiology of the Oniscidea: Aerobic capacity and the significance of pleopodal lungs.** Comparative Biochemistry and Physiology, Part A: Molecular & Integrative Physiology (2006), 145A(2), 235-244. CODEN: CBPAB5 ISSN:1095-6433. CAN 145:414506 AN 2006:990055 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

De Boeck, G.; van der Ven, K.; Hattink, J.; Blust, R. **Swimming performance and energy metabolism of rainbow trout, common carp and gibel carp respond differently to sublethal copper exposure.** Aquatic Toxicology (2006), 80(1), 92-100. CODEN: AQTODG ISSN:0166-445X. CAN 145:412122 AN 2006:989512 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Sheng, Jiangyun; Marquis, Robert E. **Enhanced acid resistance of oral streptococci at lethal pH values associated with acid-tolerant catabolism and with ATP synthase activity.** FEMS Microbiology Letters (2006), 262(1), 93-98. CODEN: FMLED7 ISSN:0378-1097. CAN 146:3877 AN 2006:985077 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Walsh, Marianne C.; Brennan, Lorraine; Malthouse, J. Paul G.; Roche, Helen M.; Gibney, Michael J. **Effect of acute dietary standardization on the urinary, plasma, and salivary metabolomic profiles of healthy humans.** American Journal of Clinical Nutrition (2006), 84(3), 531-539. CODEN: AJCNAC ISSN:0002-9165. CAN 145:335118 AN 2006:984964 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Edge, Johann; Bishop, David; Goodman, Carmel. **Effects of chronic NaHCO₃ ingestion during interval training on changes to muscle buffer capacity, metabolism, and short-term endurance performance.** Journal of Applied Physiology (2006), 101(3), 918-925. CODEN: JAPHEV ISSN:8750-7587. CAN 146:250884 AN 2006:984803 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Duhamel, T. A.; Green, H. J.; Perco, J. G.; Ouyang, J. **Effects of prior exercise and a low-carbohydrate diet on muscle sarcoplasmic reticulum function during cycling in women.** Journal of Applied Physiology (2006), 101(3), 695-706. CODEN: JAPHEV ISSN:8750-7587. CAN 145:502738 AN 2006:984773 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Nijdam, E.; Lambooj, E.; Nabuurs, M. J. A.; Decuypere, E.; Stegeman, J. A. **Influences of feeding conventional and semisynthetic diets and transport of broilers on weight gain, digestive tract mass, and plasma hormone and metabolite concentrations.** Poultry Science (2006), 85(9), 1652-1659. CODEN: POSCAL ISSN:0032-5791. CAN 146:228326 AN 2006:983502 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Leclerc, Christian. **Supplementary food composition comprising an alkaline organic mineral salt buffer.** PCT Int. Appl. (2006), 30pp. CODEN: PIXXD2 WO 2006097629 A1 20060921 CAN 145:314008 AN 2006:976001 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tsintzas, Kostas; Jewell, Kirsty; Kamran, Mo; Laithwaite, David; Boonsong, Tantip; Littlewood, Julie; MacDonald, Ian; Bennett, Andrew. **Differential regulation of metabolic genes in skeletal muscle during starvation and refeeding in humans.** Journal of Physiology (Oxford, United Kingdom) (2006), 575(1), 291-303. CODEN: JPHYA7 ISSN:0022-3751. CAN 146:378965 AN 2006:972178 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Steinberg, Gregory R.; McAinch, Andrew J.; Chen, Michael B.; O'Brien, Paul E.; Dixon, John B.; Cameron-Smith, David; Kemp, Bruce E. **The suppressor of cytokine signaling 3 inhibits leptin activation of AMP-kinase in cultured skeletal muscle of obese humans.** *Journal of Clinical Endocrinology and Metabolism* (2006), 91(9), 3592-3597. CODEN: JCEMAZ ISSN:0021-972X. CAN 145:307429 AN 2006:972089 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Miro, Oscar; Garrabou, Gloria; Lopez, Sonia; Deig, Elisabeth; Vidal, Immaculada; Infante, Anna B.; Cardellach, Francesc; Casademont, Jordi; Pedrol, Enric. **Metabolic and mitochondrial effects of switching antiretroviral-experienced patients to enfuvirtide, tenofovir and saquinavir/ritonavir.** *Antiviral Therapy* (2006), 11(5), 625-630. CODEN: ANTHFA ISSN:1359-6535. CAN 146:74647 AN 2006:970784 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Mohri, Satoshi; Nakamura, Michihiro; Naruse, Keiji. **Development of a flow-through type pH/CO₂ sensor system based on ISFET for evaluation of cellular function.** *Igaku no Ayumi* (2006), 218(2), 145-148. CODEN: IGAYAY ISSN:0039-2359. CAN 146:397491 AN 2006:969268 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Otero, Maria Claudia; Nader-Macias, Maria E. **Inhibition of Staphylococcus aureus by H₂O₂-producing Lactobacillus gasseri isolated from the vaginal tract of cattle.** *Animal Reproduction Science* (2006), 96(1-2), 35-46. CODEN: ANRSDV ISSN:0378-4320. CAN 146:478407 AN 2006:964193 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Xu, Xiaobo; Lin, Jianping; Cen, Peilin. **Advances in the research and development of acrylic acid production from biomass.** *Chinese Journal of Chemical Engineering* (2006), 14(4), 419-427. CODEN: CJCEEB ISSN:1004-9541. CAN 146:229629 AN 2006:960610 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Deepatana, A.; Valix, M. **Recovery of nickel and cobalt from organic acid complexes: Adsorption mechanisms of metal-organic complexes onto aminophosphonate chelating resin.** *Journal of Hazardous Materials* (2006), 137(2), 925-933. CODEN: JHMAD9 ISSN:0304-3894. CAN 145:403003 AN 2006:958988 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Cecava, Michael J.; Doane, Perry H.; Dunn, James L. **Compositions and methods providing rumen bypass protein in ruminant feeds.** *U.S. Pat. Appl. Publ.* (2006), 31pp. CODEN: USXXCO US 2006204554 A1 20060914 CAN 145:313842 AN 2006:950781 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Bongaerts, G. P. A.; van Halteren, H. K.; Verhagen, C. A. M.; Wagener, D. J. Th. **Cancer cachexia demonstrates the energetic impact of gluconeogenesis in human metabolism.** *Medical Hypotheses* (2006), 67(5), 1213-1222. CODEN: MEHYDY ISSN:0306-9877. CAN 146:159973 AN 2006:946676 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zoerb, Christian; Langenkaemper, Georg; Betsche, Thomas; Niehaus, Karsten; Barsch, Aiko. **Metabolite Profiling of Wheat Grains (Triticum aestivum L.) from Organic and Conventional Agriculture.** *Journal of Agricultural and Food Chemistry* (2006), 54(21), 8301-8306. CODEN: JAFCAU ISSN:0021-8561. CAN 145:355467 AN 2006:946020 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Osborne, J. P.; Morneau, A. Dube; de Orduna, R. Mira. **Degradation of free and sulfur-dioxide-bound acetaldehyde by malolactic lactic acid bacteria in white wine.** *Journal of Applied Microbiology* (2006), 101(2), 474-479. CODEN: JAMIFK ISSN:1364-5072. CAN 145:454100 AN 2006:943921 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Chaves-Lopez, C.; De Angelis, M.; Martuscelli, M.; Serio, A.; Paparella, A.; Suzzi, G. **Characterization of the Enterobacteriaceae isolated from an artisanal Italian ewe's cheese (Pecorino Abruzzese).** *Journal of Applied Microbiology* (2006), 101(2), 353-360. CODEN: JAMIFK ISSN:1364-5072. CAN 146:417982 AN 2006:943910 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Westman, B.; Johansson, G.; Soederlund, K.; Wernerman, J.; Hammarqvist, F. **Muscle glutathione metabolism during ischemia and reperfusion in patients undergoing aorto-bifemoral bypass surgery.** Acta Anaesthesiologica Scandinavica (2006), 50(6), 699-705. CODEN: AANEAB ISSN:0001-5172. CAN 146:226114 AN 2006:943609 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Scheuer, B. H.; Zbinden, Y.; Schneiter, P.; Tappy, L.; Blum, J. W.; Hammon, H. M. **Effects of colostrum feeding and glucocorticoid administration on insulin-dependent glucose metabolism in neonatal calves.** Domestic Animal Endocrinology (2006), 31(3), 227-245. CODEN: DANEEE ISSN:0739-7240. CAN 146:415256 AN 2006:941675 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Altamirano, Claudia; Illanes, Andres; Becerra, Silvana; Cairo, Jordi Joan; Godia, Francesc. **Considerations on the lactate consumption by CHO cells in the presence of galactose.** Journal of Biotechnology (2006), 125(4), 547-556. CODEN: JBITD4 ISSN:0168-1656. CAN 145:453787 AN 2006:941609 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Cavus, Erol; Bein, Berthold; Doerges, Volker; Stadlbauer, Karl-Heinz; Wenzel, Volker; Steinfath, Markus; Hanss, Robert; Scholz, Jens. **Brain tissue oxygen pressure and cerebral metabolism in an animal model of cardiac arrest and cardiopulmonary resuscitation.** Resuscitation (2006), 71(1), 97-106. CODEN: RSUSBS ISSN:0300-9572. CAN 146:419660 AN 2006:938939 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Coustou, Virginie; Biran, Marc; Besteiro, Sebastien; Riviere, Loic; Baltz, Theo; Franconi, Jean-Michel; Bringaud, Frederic. **Fumarate is an essential intermediary metabolite produced by the procyclic Trypanosoma brucei.** Journal of Biological Chemistry (2006), 281(37), 26832-26846. CODEN: JBCHA3 ISSN:0021-9258. CAN 145:467847 AN 2006:936501 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ofiteru, Irina Dana; Woinaroschy, Alexandru; Lavric, Vasile. **Secondary aspects of hybridoma reactor control - accompanying metabolites response.** Revista de Chimie (Bucharest, Romania) (2006), 57(6), 640-644. CODEN: RCBUAU ISSN:0034-7752. CAN 146:61141 AN 2006:931141 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Soufleros, E. H.; Bouloumpasi, E.; Zotou, A.; Loukou, Z. **Determination of biogenic amines in Greek wines by HPLC and ultraviolet detection after dansylation and examination of factors affecting their presence and concentration.** Food Chemistry (2006), Volume Date 2007, 101(2), 704-716. CODEN: FOCHDJ ISSN:0308-8146. CAN 145:437401 AN 2006:928357 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Mantovani, Vittorio; Kennergren, Charles; Goiny, Michel; Ungerstedt, Urban; Loennroth, Peter; Sala, Andrea; Berglin, Eva. **Microdialysis for myocardial metabolic surveillance: developing a clinical technique.** Clinical Physiology and Functional Imaging (2006), 26(4), 224-231. CODEN: CPFICA ISSN:1475-0961. CAN 145:391920 AN 2006:927729 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Cahill, George F., Jr. **Fuel metabolism in starvation.** Annual Review of Nutrition (2006), 26 1-22, 2 plates. CODEN: ARNTD8 ISSN:0199-9885. CAN 145:335342 AN 2006:924632 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Leppaenen, Olli; Bjoernheden, Tom; Evaldsson, Margareta; Boren, Jan; Wiklund, Olov; Levin, Max. **ATP depletion in macrophages in the core of advanced rabbit atherosclerotic plaques in vivo.** Atherosclerosis (Amsterdam, Netherlands) (2006), 188(2), 323-330. CODEN: ATHSBL ISSN:0021-9150. CAN 145:353211 AN 2006:911044 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Sangiao-Alvarellos, Susana; Polakof, Sergio; Arjona, Francisco J.; Garcia-Lopez, Angel; Martin del Rio,

Maria P.; Martinez-Rodriguez, Gonzalo; Miguez, Jesus M.; Mancera, Juan M.; Soengas, Jose L. **Influence of testosterone administration on osmoregulation and energy metabolism of gilthead sea bream Sparus auratus.** General and Comparative Endocrinology (2006), 149(1), 30-41. CODEN: GCENA5 ISSN:0016-6480. CAN 145:332021 AN 2006:910745 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tang, J. A.; Valix, M. **Leaching of low-grade limonite and nontronite ores by fungi metabolic acids.** Minerals Engineering (2006), 19(12), 1274-1279. CODEN: MENGEB ISSN:0892-6875. CAN 146:383886 AN 2006:904214 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tugnoli, V.; Mucci, A.; Schenetti, L.; Righi, V.; Calabrese, C.; Fabbri, A.; Di Febo, G.; Tosi, M. R. **Ex vivo HR-MAS magnetic resonance spectroscopy of human gastric adenocarcinomas: a comparison with healthy gastric mucosa.** Oncology Reports (2006), 16(3), 543-553. CODEN: OCRPEW ISSN:1021-335X. CAN 146:42881 AN 2006:902319 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

King, Nicola; Lin, Hua; McGivan, John D.; Saadeh Suleiman, M. **Expression and activity of the glutamate transporter EAAT2 in cardiac hypertrophy: implications for ischemia reperfusion injury.** Pfluegers Archiv (2006), 452(6), 674-682. CODEN: PFLABK ISSN:0031-6768. CAN 145:348914 AN 2006:901989 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Baruque-Ramos, Julia; Hiss, Haroldo; Converti, Attilio; Goncalves, Viviane Maimone; Raw, Isaias. **Accumulation of organic acids in cultivations of Neisseria meningitidis C.** Journal of Industrial Microbiology & Biotechnology (2006), 33(10), 869-877. CODEN: JIMBFL ISSN:1367-5435. CAN 145:453742 AN 2006:901830 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gaidhu, Mandeep Pinky; Fediuc, Sergiu; Ceddia, Rolando Bacis. **5-Aminoimidazole-4-carboxamide-1- β -D-ribofuranoside-induced AMP-activated protein kinase phosphorylation inhibits basal and insulin-stimulated glucose uptake, lipid synthesis, and fatty acid oxidation in isolated rat adipocytes.** Journal of Biological Chemistry (2006), 281(36), 25956-25964. CODEN: JBCHA3 ISSN:0021-9258. CAN 145:328112 AN 2006:898863 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ekman, Drew R.; Keun, Hector C.; Eads, Charles D.; Furnish, Carrie M.; Murrell, Rachel N.; Rockett, John C.; Dix, David J. **Metabolomic evaluation of rat liver and testis to characterize the toxicity of triazole fungicides.** Metabolomics (2006), 2(2), 63-73. CODEN: METAHQ ISSN:1573-3882. CAN 145:243035 AN 2006:898189 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lopaschuk, Gary D.; Collins-Nakai, Ruth. **Methods of cardioprotection using dichloroacetate in combination with an inotrope.** U.S. Pat. Appl. Publ. (2006), 36pp., Cont.-in-part of U.S. Ser. No. 13,666. CODEN: USXXCO US 2006194878 A1 20060831 CAN 145:263302 AN 2006:891335 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ketsela, Sara; Dinicola, Dean; Baichwal, Anand R. **Controlled release venlafaxine formulations.** U.S. Pat. Appl. Publ. (2006), 36pp. CODEN: USXXCO US 2006193911 A1 20060831 CAN 145:278332 AN 2006:889682 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhang, Weiwen; Gritsenko, Marina A.; Moore, Ronald J.; Culley, David E.; Nie, Lei; Petritis, Konstantinos; Strittmatter, Eric F.; Camp, David G., II; Smith, Richard D.; Brockman, Fred J. **A proteomic view of Desulfovibrio vulgaris metabolism as determined by liquid chromatography coupled with tandem mass spectrometry.** Proteomics (2006), 6(15), 4286-4299. CODEN: PROTC7 ISSN:1615-9853. CAN 145:413592 AN 2006:886958 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Van Nesselrooij, Johannes Henricus Joseph; Lamers, Robert-Jan Antonius Nicolaas. **NMR biomarkers to predict therapy responsiveness.** PCT Int. Appl. (2006), 37pp. CODEN: PIXXD2 WO 2006091091 A1 20060831 CAN 145:266165 AN 2006:884904 CAPLUS (Copyright (C) 2007 ACS

on SciFinder (R))

Katz, Michael; Smits, Hans Peter; Foerster, Jochen; Nielsen, Jens Bredal. **Construction of metabolically engineered recombinant microorganisms for the production of resveratrol or derivatives by heterologous expression of resveratrol pathway genes.** PCT Int. Appl. (2006), 117pp. CODEN: PIXXD2 WO 2006089898 A1 20060831 CAN 145:264295 AN 2006:884805 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Santaguida, Stefano; Janigro, Damir; Hossain, Mohammed; Oby, Emily; Rapp, Edward; Cucullo, Luca. **Side by side comparison between dynamic versus static models of blood-brain barrier in vitro: A permeability study.** Brain Research (2006), 1109(1), 1-13. CODEN: BRREAP ISSN:0006-8993. CAN 145:352370 AN 2006:880248 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Sangiao-Alvarellos, Susana; Polakof, Sergio; Arjona, Francisco J.; Kleszczynska, Agnieszka; Martin del Rio, Maria P.; Miguez, Jesus M.; Soengas, Jose L.; Mancera, Juan M. **Osmoregulatory and metabolic changes in the gilthead sea bream Sparus auratus after arginine vasotocin (AVT) treatment.** General and Comparative Endocrinology (2006), 148(3), 348-358. CODEN: GCENA5 ISSN:0016-6480. CAN 145:332013 AN 2006:879065 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Barsch, Aiko; Tellstroem, Verena; Patschkowski, Thomas; Kuester, Helge; Niehaus, Karsten. **Metabolite profiles of nodulated alfalfa plants indicate that distinct stages of nodule organogenesis are accompanied by global physiological adaptations.** Molecular Plant-Microbe Interactions (2006), 19(9), 998-1013. CODEN: MPMIEL ISSN:0894-0282. CAN 146:23688 AN 2006:878158 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Pool, Wietske A.; Neves, Ana Rute; Kok, Jan; Santos, Helena; Kuipers, Oscar P. **Natural sweetening of food products by engineering Lactococcus lactis for glucose production.** Metabolic Engineering (2006), 8(5), 456-464. CODEN: MEENFM ISSN:1096-7176. CAN 145:470235 AN 2006:877345 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Yang, Tae Hoon; Wittmann, Christoph; Heinzle, Elmar. **Respirometric 13C flux analysis-Part II: In vivo flux estimation of lysine-producing Corynebacterium glutamicum.** Metabolic Engineering (2006), 8(5), 432-446. CODEN: MEENFM ISSN:1096-7176. CAN 146:61095 AN 2006:877343 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Mavroudis, G.; Prior, M. J. W.; Lister, T.; Nolan, C. C.; Ray, D. E. **Neurochemical and edematous changes in 1,3-dinitrobenzene-induced astroglial injury in rat brain from a 1H-nuclear magnetic resonance perspective.** Journal of Neural Transmission (2006), 113(9), 1263-1278. CODEN: JNTRF3 ISSN:0300-9564. CAN 146:56654 AN 2006:873929 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhou, Hui-Zhong; Swanson, Raymond A.; Simonis, Ursula; Ma, Xiaokui; Cecchini, Gary; Gray, Mary O. **Poly(ADP-ribose) polymerase-1 hyperactivation and impairment of mitochondrial respiratory chain complex I function in reperfused mouse hearts.** American Journal of Physiology (2006), 291(2, Pt. 2), H714-H723. CODEN: AJPHAP ISSN:0002-9513. CAN 145:268201 AN 2006:871868 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Martienssen, Marion; Fabritius, Holger; Kukla, Stefan; Balcke, Gerd U.; Hasselwander, Eyk; Schirmer, Mario. **Determination of naturally occurring MTBE biodegradation by analyzing metabolites and biodegradation by-products.** Journal of Contaminant Hydrology (2006), 87(1-2), 37-53. CODEN: JCOHE6 ISSN:0169-7722. CAN 145:403266 AN 2006:869549 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Yagi, Junichi; Wenk, Heather N.; Naves, Ligia A.; McCleskey, Edwin W. **Sustained Currents Through ASIC3 Ion Channels at the Modest pH Changes That Occur During Myocardial Ischemia.** Circulation Research (2006), 99(5), 501-509. CODEN: CIRUAL ISSN:0009-7330. CAN 145:311882

AN 2006:855435 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tang, Yinjie J.; Laidlaw, David; Gani, Kishen; Keasling, Jay D. **Evaluation of the effects of various culture conditions on Cr(VI) reduction by *Shewanella oneidensis* MR-1 in a novel high-throughput mini-bioreactor.** *Biotechnology and Bioengineering* (2006), 95(1), 176-184. CODEN: BIBIAU ISSN:0006-3592. CAN 145:320095 AN 2006:854991 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhang, Fang; Sun, Xiangming; Yi, Xiaoping; Zhang, Yuanxing. **Metabolic characteristics of recombinant Chinese hamster ovary cells expressing glutamine synthetase in presence and absence of glutamine.** *Cytotechnology* (2006), 51(1), 21-28. CODEN: CYTOER ISSN:0920-9069. CAN 146:4809 AN 2006:851830 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Van der Meulen, Roel; Adriany, Tom; Verbrugghe, Kristof; De Vuyst, Luc. **Kinetic analysis of bifidobacterial metabolism reveals a minor role for succinic acid in the regeneration of NAD⁺ through its growth-associated production.** *Applied and Environmental Microbiology* (2006), 72(8), 5204-5210. CODEN: AEMIDF ISSN:0099-2240. CAN 145:372496 AN 2006:846599 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Stevenson, Emma J.; Williams, Clyde; Mash, Laura E.; Phillips, Beth; Nute, Maria L. **Influence of high-carbohydrate mixed meals with different glycemic indexes on substrate utilization during subsequent exercise in women.** *American Journal of Clinical Nutrition* (2006), 84(2), 354-360. CODEN: AJCNAC ISSN:0002-9165. CAN 145:210030 AN 2006:843219 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gluszczak, Lissandra; Miron, Denise dos Santos; Crestani, Marcia; Braga da Fonseca, Milene; Pedron, Fabio de Araujo; Duarte, Marta Frescura; Vieira, Vania Lucia Pimentel. **Effect of glyphosate herbicide on acetylcholinesterase activity and metabolic and hematological parameters in piava (*Leporinus obtusidens*).** *Ecotoxicology and Environmental Safety* (2006), 65(2), 237-241. CODEN: EESADV ISSN:0147-6513. CAN 145:349972 AN 2006:836173 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Venkatasubramanian, Raja; Henson, Michael A.; Forbes, Neil S. **Incorporating energy metabolism into a growth model of multicellular tumor spheroids.** *Journal of Theoretical Biology* (2006), 242(2), 440-453. CODEN: JTBIAP ISSN:0022-5193. CAN 146:203175 AN 2006:834130 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Simpson, Nicholas E.; Han, Zongchao; Berendzen, Kristen M.; Sweeney, Carol A.; Oca-Cossio, Jose A.; Constantinidis, Ioannis; Stacpoole, Peter W. **Magnetic resonance spectroscopic investigation of mitochondrial fuel metabolism and energetics in cultured human fibroblasts: Effects of pyruvate dehydrogenase complex deficiency and dichloroacetate.** *Molecular Genetics and Metabolism* (2006), 89(1-2), 97-105. CODEN: MGMEFF ISSN:1096-7192. CAN 145:284092 AN 2006:834028 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Gillingham, Melanie B.; Scott, Bradley; Elliott, Diane; Harding, Cary O. **Metabolic control during exercise with and without medium-chain triglycerides (MCT) in children with long-chain 3-hydroxy acyl-CoA dehydrogenase (LCHAD) or trifunctional protein (TFP) deficiency.** *Molecular Genetics and Metabolism* (2006), 89(1-2), 58-63. CODEN: MGMEFF ISSN:1096-7192. CAN 145:470716 AN 2006:834023 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Robinson, Brian H. **Lactic acidemia and mitochondrial disease.** *Molecular Genetics and Metabolism* (2006), 89(1-2), 3-13. CODEN: MGMEFF ISSN:1096-7192. CAN 145:311406 AN 2006:834020 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

de Araujo, Jonas A.; Falavigna, Gina; Rogero, Marcelo M.; Pires, Ivanir S. O.; Pedrosa, Rogerio G.; Castro, Inar A.; Donato, Jose; Tirapegui, Julio. **Effect of chronic supplementation with branched-**

chain amino acids on the performance and hepatic and muscle glycogen content in trained rats. Life Sciences (2006), 79(14), 1343-1348. CODEN: LIFSAK ISSN:0024-3205. CAN 145:313959 AN 2006:831915 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Fujita, Tadahisa; Kajita, Masahiro; Sano, Hiroaki; Shiga, Akio. **Effects of non-protein energy intake on the concentrations of plasma metabolites and insulin, and tissue responsiveness and sensitivity to insulin in goats.** Asian-Australasian Journal of Animal Sciences (2006), 19(7), 1010-1018. CODEN: AJASEL ISSN:1011-2367. CAN 146:162325 AN 2006:831021 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Pan, Zhiwei; Zhu, Tao; Domagalski, Nathan; Khan, Saleem; Koepsel, Richard R.; Domach, Michael M.; Atai, Mohammad M. **Regulating Expression of Pyruvate Kinase in Bacillus subtilis for Control of Growth Rate and Formation of Acidic Byproducts.** Biotechnology Progress (2006), 22(5), 1451-1455. CODEN: BIPRET ISSN:8756-7938. CAN 145:413805 AN 2006:829398 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Rae, Caroline; El-Hajj Moussa, Charbel; Griffin, Julian L.; Parekh, Sapan B.; Bubb, William A.; Hunt, Nicholas H.; Balcar, Vladimir J. **A metabolomic approach to ionotropic glutamate receptor subtype function: a nuclear magnetic resonance in vitro investigation.** Journal of Cerebral Blood Flow & Metabolism (2006), 26(8), 1005-1017. CODEN: JCBMDN ISSN:0271-678X. CAN 145:432466 AN 2006:824378 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Krejci, Vladimir; Hildebrand, Luzius; Buechi, Conradin; Ali, Syed Z.; Contaldo, Claudio; Takala, Jukka; Sigurdsson, Gisli H.; Jakob, Stephan M. **Decreasing gut wall glucose as an early marker of impaired intestinal perfusion.** Critical Care Medicine (2006), 34(9), 2406-2414. CODEN: CCMDC7 ISSN:0090-3493. CAN 146:182199 AN 2006:823890 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Crestani, Marcia; Menezes, Charlene; Gluszczak, Lissandra; Miron, Denise dos Santos; Lazzari, Rafael; Duarte, Marta F.; Morsch, Vera Maria; Pippi, Amy Lee; Vieira, Vania Pimentel. **Effects of Clomazone Herbicide on hematological and some parameters of protein and carbohydrate metabolism of silver catfish Rhamdia quelen.** Ecotoxicology and Environmental Safety (2006), 65(1), 48-55. CODEN: EESADV ISSN:0147-6513. CAN 145:286384 AN 2006:822267 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Ma, Juan; Qi, Wentao; Xie, Yubing; Wang, Wei; Yu, Weiting; Ma, Xiaojun. **K562 cell growth activity and metabolism characteristics in APA microencapsulated culture and modeling study.** Journal of Biotechnology (2006), 125(2), 242-251. CODEN: JBITD4 ISSN:0168-1656. CAN 145:487742 AN 2006:821762 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Genzel, Y.; Olmer, R. M.; Schaefer, B.; Reichl, U. **Wave microcarrier cultivation of MDCK cells for influenza virus production in serum containing and serum-free media.** Vaccine (2006), 24(35-36), 6074-6087. CODEN: VACCDE ISSN:0264-410X. CAN 145:504113 AN 2006:809470 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Behrends, Matthias; Hirose, Ryutaro; Serkova, Natalie J.; Coatney, John L.; Bedolli, Melanie; Yardi, Jason; Park, Yeon Ho; Niemann, Claus U. **Mild hypothermia reduces the inflammatory response and hepatic ischemia/reperfusion injury in rats.** Liver International (2006), 26(6), 734-741. CODEN: LIINCM ISSN:1478-3223. CAN 145:452833 AN 2006:804512 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Vinnakota, Kalyan; Kemp, Melissa L.; Kushmerick, Martin J. **Dynamics of muscle glycogenolysis modeled with pH time course computation and pH-dependent reaction equilibria and enzyme kinetics.** Biophysical Journal (2006), 91(4), 1264-1287. CODEN: BIOJAU ISSN:0006-3495. CAN 145:287997 AN 2006:799843 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Lara, Alvaro R.; Vazquez-Limon, Consuelo; Gosset, Guillermo; Bolivar, Francisco; Lopez-Munguia, Agustin; Ramirez, Octavio T. **Engineering Escherichia coli to improve culture performance and reduce formation of by-products during recombinant protein production under transient intermittent anaerobic conditions.** Biotechnology and Bioengineering (2006), 94(6), 1164-1175. CODEN: BIBIAU ISSN:0006-3592. CAN 145:469985 AN 2006:799709 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Sharma, N. S.; Shikhanovich, R.; Schloss, R.; Yarmush, M. L. **Sodium butyrate-treated embryonic stem cells yield hepatocyte-like cells expressing a glycolytic phenotype.** Biotechnology and Bioengineering (2006), 94(6), 1053-1063. CODEN: BIBIAU ISSN:0006-3592. CAN 145:309794 AN 2006:799697 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Van Dorsten, Ferdi A.; Daykin, Clare A.; Mulder, Theo P. J.; Van Duynhoven, John P. M. **Metabonomics approach to determine metabolic differences between green tea and black tea consumption.** Journal of Agricultural and Food Chemistry (2006), 54(18), 6929-6938. CODEN: JAFCAU ISSN:0021-8561. CAN 145:376392 AN 2006:797962 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Martin, Pamela M.; Gopal, Elangovan; Ananth, Sudha; Zhuang, Lina; Itagaki, Shiro; Prasad, Balakrishna M.; Smith, Sylvia B.; Prasad, Puttur D.; Ganapathy, Vadivel. **Identity of SMCT1 (SLC5A8) as a neuron-specific Na⁺-coupled transporter for active uptake of L-lactate and ketone bodies in the brain.** Journal of Neurochemistry (2006), 98(1), 279-288. CODEN: JONRA9 ISSN:0022-3042. CAN 145:267337 AN 2006:792556 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Chen, Guoqiang; Zhang, Jinyu; Wu, Qiong. **Improved microbial metabolism and fermentation of microorganism carrying polyhydroxyalkanoate (PHA) biosynthesis related genes.** Faming Zhuanli Shenqing Gongkai Shuomingshu (2006), 34pp. CODEN: CNXXEV CN 1810968 A 20060802 CAN 145:334300 AN 2006:783090 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Golman, Klaes; in't Zandt, Rene; Thaning, Mikkel. **Real-time metabolic imaging.** Proceedings of the National Academy of Sciences of the United States of America (2006), 103(30), 11270-11275. CODEN: PNASA6 ISSN:0027-8424. CAN 145:162037 AN 2006:782678 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Thakker, Chandresh; Bhosale, Suresh; Ranade, Dilip. **Formation of succinic acid by Klebsiella pneumoniae MCM B-325 under aerobic and anaerobic conditions.** Journal of Microbiology and Biotechnology (2006), 16(6), 870-879. CODEN: JOMBES ISSN:1017-7825. CAN 146:224482 AN 2006:777227 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Stanik, Inga Adamina; Cedzynska, Krystyna; Zakowska, Zofia. **Destruction of the chrysotile asbestos structure with a population of the bacteria Lactobacillus casei and Lactobacillus plantarum.** Fresenius Environmental Bulletin (2006), 15(7), 640-643. CODEN: FENBEL ISSN:1018-4619. CAN 145:245000 AN 2006:772610 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Wang, Quanjun; Jiang, Ying; Wu, Chunqi; Zhao, Jianyu; Yu, Shouzhong; Yuan, Benli; Yan, Xianzhong; Liao, Mingyang. **Study of a novel indolin-2-ketone compound Z24 induced hepatotoxicity by NMR-spectroscopy-based metabonomics of rat urine, blood plasma, and liver extracts.** Toxicology and Applied Pharmacology (2006), 215(1), 71-82. CODEN: TXAPA9 ISSN:0041-008X. CAN 145:348020 AN 2006:765694 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Doepel, L.; Lessard, M.; Gagnon, N.; Loble, G. E.; Bernier, J. F.; Dubreuil, P.; Lapierre, H. **Effect of postruminal glutamine supplementation on immune response and milk production in dairy cows.** Journal of Dairy Science (2006), 89(8), 3107-3121. CODEN: JDSCAE ISSN:0022-0302. CAN 145:144660 AN 2006:764675 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Funk, Georg-Christian; Doberer, Daniel; Fuhrmann, Valentin; Holzinger, Ulrike; Kitzberger, Reinhard; Kneidinger, Nikolaus; Lindner, Gregor; Schneeweiss, Bruno. **The acidifying effect of lactate is**

neutralized by the alkalinizing effect of hypoalbuminemia in non-paracetamol-induced acute liver failure. *Journal of Hepatology* (2006), 45(3), 387-392. CODEN: JOHEEC ISSN:0168-8278. CAN 145:436107 AN 2006:760663 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Pongtharangkul, Thunyarat; Demirci, Ali. **Effects of pH profiles on nisin production in biofilm reactor.** *Applied Microbiology and Biotechnology* (2006), 71(6), 804-811. CODEN: AMBIDG ISSN:0175-7598. CAN 145:469998 AN 2006:760504 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Jauchem, James R.; Sherry, Clifford J.; Fines, David A.; Cook, Michael C. **Acidosis, lactate, electrolytes, muscle enzymes, and other factors in the blood of *Sus scrofa* following repeated TASER exposures.** *Forensic Science International* (2006), 161(1), 20-30. CODEN: FSINDR ISSN:0379-0738. CAN 145:433126 AN 2006:758505 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Hornsey, V. S.; McColl, K.; Drummond, O.; McMillan, L.; Morrison, A.; Morrison, L.; MacGregor, I. R.; Prowse, C. V. **Extended storage of platelets in SSP+ platelet additive solution.** *Vox Sanguinis* (2006), 91(1), 41-46. CODEN: VOSAAD ISSN:0042-9007. CAN 146:269464 AN 2006:756753 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Pasman, W.; Wils, D.; Saniez, M-H.; Kardinaal, A. **Long-term gastrointestinal tolerance of NUTRIOSE FB in healthy men.** *European Journal of Clinical Nutrition* (2006), 60(8), 1024-1034. CODEN: EJCNEQ ISSN:0954-3007. CAN 146:162318 AN 2006:751968 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Martin, Francois-Pierre J.; Verdu, Elena F.; Wang, Yulan; Dumas, Marc-Emmanuel; Yap, Ivan K. S.; Cloarec, Olivier; Bergonzelli, Gabriela E.; Corthesy-Theulaz, Irene; Kochhar, Sunil; Holmes, Elaine; Lindon, John C.; Collins, Stephen M.; Nicholson, Jeremy K. **Transgenomic metabolic interactions in a mouse disease model: Interactions of *Trichinella spiralis* infection with dietary *Lactobacillus paracasei* supplementation.** *Journal of Proteome Research* (2006), 5(9), 2185-2193. CODEN: JPROBS ISSN:1535-3893. CAN 145:187949 AN 2006:749315 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Stercova, E.; Haas, D.; Krasa, A.; Lepkova, R.; Sterc, J. **Effect of intensive fattening of bulls fed a high-grain diet on selected health indicators.** *Acta Veterinaria Brno* (2006), 75(2), 209-218. CODEN: ACVTB9 ISSN:0001-7213. CAN 146:141703 AN 2006:747485 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Canto, Carles; Chibalin, Alexander V.; Barnes, Brian R.; Glund, Stephan; Suarez, Elisabet; Ryder, Jeffrey W.; Palacin, Manuel; Zierath, Juleen R.; Zorzano, Antonio; Guma, Anna. **Neuregulins mediate calcium-induced glucose transport during muscle contraction.** *Journal of Biological Chemistry* (2006), 281(31), 21690-21697. CODEN: JBCHA3 ISSN:0021-9258. CAN 145:181345 AN 2006:747455 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Delliaux, S.; Steinberg, J. G.; Lesavre, N.; Paganelli, F.; Oliver, C.; Jammes, Y. **Effect of long-term atorvastatin treatment on the electrophysiological and mechanical functions of muscle.** *International Journal of Clinical Pharmacology and Therapeutics* (2006), 44(6), 251-261. CODEN: ICTHEK ISSN:0946-1965. CAN 146:75045 AN 2006:744413 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Raju, J.; Bird, R. P. **Alleviation of hepatic steatosis accompanied by modulation of plasma and liver TNF- α levels by *Trigonella foenum graecum* (fenugreek) seeds in Zucker obese (fa/fa) rats.** *International Journal of Obesity* (2006), 30(8), 1298-1307. CODEN: IJOBPD ISSN:0307-0565. CAN 145:470736 AN 2006:744269 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Boschmann, M.; Kreuzberg, U.; Engeli, S.; Adams, F.; Franke, G.; Klaua, S.; Scholze, J.; Weidinger, G.;

Luft, F. C.; Sharma, A. M.; Jordan, J. **The effect of oral glucose loads on tissue metabolism during angiotensin II receptor and beta-receptor blockade in obese hypertensive subjects.** *Hormone and Metabolic Research* (2006), 38(5), 323-329. CODEN: HMMRA2 ISSN:0018-5043. CAN 145:241646 AN 2006:743151 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Couto, Susana Rodriguez; Sanroman, Ma Angeles. **Application of solid-state fermentation to food industry - a review.** *Journal of Food Engineering* (2006), 76(3), 291-302. CODEN: JFOEDH ISSN:0260-8774. CAN 146:6478 AN 2006:742479 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Bae, Hanhong; Kim, Moon S.; Sicher, Richard C.; Bae, Hyeun-Jong; Bailey, Bryan A. **Necrosis- and ethylene-inducing peptide from Fusarium oxysporum induces a complex cascade of transcripts associated with signal transduction and cell death in Arabidopsis.** *Plant Physiology* (2006), 141(3), 1056-1067. CODEN: PLPHAY ISSN:0032-0889. CAN 145:206570 AN 2006:727347 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Silva, Michael A.; Murphy, Nick; Richards, Douglas A.; Wigmore, Stephen J.; Bramhall, Simon R.; Buckels, John A. C.; Adams, David H.; Mirza, Darius F. **Interstitial Lactic Acidosis in the Graft During Organ Harvest, Cold Storage, and Reperfusion of Human Liver Allografts Predicts Subsequent Ischemia Reperfusion Injury.** *Transplantation* (2006), 82(2), 227-233. CODEN: TRPLAU ISSN:0041-1337. CAN 145:452828 AN 2006:718823 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Robergs, Robert A.; Parker, Daryl. **The wandering argument favoring a lactic acidosis. Reply to comments.** *American Journal of Physiology* (2006), 291(1, Pt. 2), R238-R239. CODEN: AJPHAP ISSN:0002-9513. CAN 145:185993 AN 2006:715300 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Dharmadi, Yandi; Murarka, Abhishek; Gonzalez, Ramon. **Anaerobic fermentation of glycerol by Escherichia coli: a new platform for metabolic engineering.** *Biotechnology and Bioengineering* (2006), 94(5), 821-829. CODEN: BIBIAU ISSN:0006-3592. CAN 145:417125 AN 2006:715086 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Fernandez, Catherine; Lelong, Benjamin; Vila, Bruno; Mevy, Jean-Philippe; Robles, Christine; Greff, Stephane; Dupouyet, Sylvie; Bousquet-Melou, Anne. **Potential allelopathic effect of Pinus halepensis in the secondary succession: an experimental approach.** *Chemoecology* (2006), 16(2), 97-105. CODEN: CHMOE9 ISSN:0937-7409. CAN 146:456719 AN 2006:712783 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Zhang, Xulang; Wang, Wei; Xie, Yubing; Zhang, Ying; Wang, Xiuli; Guo, Xin; Ma, Xiaojun. **Proliferation, viability, and metabolism of human tumor and normal cells cultured in microcapsule.** *Applied Biochemistry and Biotechnology* (2006), 134(1), 61-76. CODEN: ABIBDL ISSN:0273-2289. CAN 145:140543 AN 2006:711226 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Homola, Ales; Zoremba, Norbert; Slais, Karel; Kuhlen, Ralf; Sykova, Eva. **Changes in diffusion parameters, energy-related metabolites and glutamate in the rat cortex after transient hypoxia/ischemia.** *Neuroscience Letters* (2006), 404(1-2), 137-142. CODEN: NELED5 ISSN:0304-3940. CAN 145:185887 AN 2006:710150 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Du, Yinghua A. **Method of screening urine for organic acids using HPLC-tandem mass spectrometry.** *U.S. Pat. Appl. Publ.* (2006), 10 pp. CODEN: USXXCO US 2006160237 A1 20060720 CAN 145:140736 AN 2006:708444 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Harada, Kazuo; Fukusaki, Eiichiro; Kobayashi, Akio. **Pressure-assisted capillary electrophoresis mass spectrometry using combination of polarity reversion and electroosmotic flow for metabolomics anion analysis.** *Journal of Bioscience and Bioengineering* (2006), 101(5), 403-409.

CODEN: JBBIF6 ISSN:1389-1723. CAN 146:179898 AN 2006:698305 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Tang, Fu-Chun. **Influence of branched-chain amino acid supplementation on urinary protein metabolite concentrations after swimming.** Journal of the American College of Nutrition (2006), 25(3), 188-194. CODEN: JONUJL ISSN:0731-5724. CAN 146:26934 AN 2006:695861 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Jeoung, Nam Ho; Wu, Pengfei; Joshi, Mandar A.; Jaskiewicz, Jerzy; Bock, Cheryl B.; Depaoli-roach, Anna A.; Harris, Robert A. **Role of pyruvate dehydrogenase kinase isoenzyme 4 (PDHK4) in glucose homeostasis during starvation.** Biochemical Journal (2006), 397(3), 417-425. CODEN: BIJOAK ISSN:0264-6021. CAN 145:227781 AN 2006:692783 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Aldarf, Mazen; Fourcade, Florence; Amrane, Abdeltif; Prigent, Yves. **Substrate and metabolite diffusion within model medium for soft cheese in relation to growth of *Penicillium camembertii*.** Journal of Industrial Microbiology & Biotechnology (2006), 33(8), 685-692. CODEN: JIMBFL ISSN:1367-5435. CAN 145:396032 AN 2006:682870 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Thomsson, Elisabeth; Larsson, Christer. **The effect of lactic acid on anaerobic carbon or nitrogen limited chemostat cultures of *Saccharomyces cerevisiae*.** Applied Microbiology and Biotechnology (2006), 71(4), 533-542. CODEN: AMBIDG ISSN:0175-7598. CAN 145:244709 AN 2006:682861 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Sangiao-Alvarellos, Susana; Arjona, Francisco J.; Miguez, Jesus M.; Martin del Rio, Maria P.; Soengas, Jose L.; Mancera, Juan M. **Growth hormone and prolactin actions on osmoregulation and energy metabolism of gilthead sea bream (*Sparus auratus*).** Comparative Biochemistry and Physiology, Part A: Molecular & Integrative Physiology (2006), 144A(4), 491-500. CODEN: CBPAB5 ISSN:1095-6433. CAN 145:206703 AN 2006:679165 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Sheppard, John; Vann, Lucas. **Metabolic biosensor and uses for cultures and fermentation.** U.S. Pat. Appl. Publ. (2006), 12 pp., Cont.-in-part of U.S. Ser. No. 165,183. CODEN: USXXCO US 2006154326 A1 20060713 CAN 145:102223 AN 2006:677794 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Palanivel, Rengasamy; Eguchi, Megumi; Shuralyova, Irina; Coe, Imogen; Sweeney, Gary. **Distinct effects of short- and long-term leptin treatment on glucose and fatty acid uptake and metabolism in HL-1 cardiomyocytes.** Metabolism, Clinical and Experimental (2006), 55(8), 1067-1075. CODEN: METAAJ ISSN:0026-0495. CAN 145:203398 AN 2006:676082 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Sidoli, Fabio R.; Asprey, Steven P.; Mantalaris, Athanasios. **A Coupled Single Cell-Population-Balance Model for Mammalian Cell Cultures.** Industrial & Engineering Chemistry Research (2006), 45(16), 5801-5811. CODEN: IECRED ISSN:0888-5885. CAN 145:287932 AN 2006:672917 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))