

## 2010

Title: Secreted M-Ficolin Anchors onto Monocyte Transmembrane G Protein-Coupled Receptor 43 and Cross Talks with Plasma C-Reactive Protein to Mediate Immune Signaling and Regulate Host Defense  
Author(s): Jing Zhang, Lifeng Yang, Zhiwei Ang, Sia Lee Yoong, Thi Thu Thuy Tran, Ganesh Srinivasan Anand, Nguan Soon Tan, Bow Ho, and Jeak Ling Ding  
Source: The Journal of Immunology: doi:10.4049/jimmunol.1001225 Published: October 29, 2010

Title: An Extended Bidomain Framework Incorporating Multiple Cell Types  
Author(s): Martin L. Buist and Yong Cheng Poh  
Source: Biophysical Journal 99(1) 13–18 Published: July, 2010

Title: Well-constructed cellulose acetate membranes for forward osmosis: Minimized internal concentration polarization with an ultra-thin selective layer.  
Author(s): Zhang Sui  
Source: Journal of Membrane Science Published: Jun, 2010

Title: A Model of Slow Wave Propagation and Entrainment Along the Stomach  
Author(s): Martin L. Buist, Alberto Corrias, and Yong Cheng Poh  
Source: Annals of Biomedical Engineering, Vol. 38, No. 9, September 2010 ( 2010) pp. 3022–3030 DOI: 10.1007/s10439-010-0051-1 Published: May 1, 2010

Title: Identification of recurrent regions of copy number variants across multiple individuals.  
Author(s): Shu Mei Teo, Agus Salim, Stefano Calza, Chee Seng Ku, Kee Seng Chia, Yudi pawitan  
Source: BMC Bioinformatics 2010, 11:147 doi:10.1186/1471-2105-11-147  
Published: March 22, 2010

Title: Structural Determination of Extem XH 1015 and Its Gas Permeability Comparison with Polysulfone and Ultem via Molecular Simulation  
Author(s): Jianzhong Xia, Songlin Liu, Pramoda Kumari Pallathadka, Mei Lin Chng, and Tai-Shung Chung  
Source: Ind. Eng. Chem. Res., Vol. 49, No. 23, 2010, 12014–12021 Published: March 2010

Title: [Control of in vitro neural differentiation of mesenchymal stem cells in 3D macroporous, cellulosic hydrogels](#)  
Author(s): Gu HG, Yue ZL, Leong WS, et al.  
Author(s): [Gu HG](#) (Gu, Haigang)<sup>1</sup>, [Yue ZL](#) (Yue, Zhilian)<sup>2</sup>, [Leong WS](#) (Leong, Wen Shing)<sup>1</sup>, [Nugraha B](#) (Nugraha, Bramasta)<sup>2,3</sup>, [Tan LP](#) (Tan, Lay Poh)<sup>1</sup>  
Source: REGENERATIVE MEDICINE Volume: 5 Issue: 2 Pages: 245-253 Published: MAR 2010

Title: [Synthesis of PEOlated Fe<sub>3</sub>O<sub>4</sub>@SiO<sub>2</sub> Nanoparticles via Bioinspired Silification for Magnetic Resonance Imaging](#)  
Author(s): Tan H, Xue JM, Shuter B, et al.  
Author(s): [Tan H](#) (Tan, Happy)<sup>1</sup>, [Xue JM](#) (Xue, Jun Min)<sup>3</sup>, [Shuter B](#) (Shuter, Borys)<sup>4</sup>, [Li X](#) (Li, Xu)<sup>2</sup>, [Wang J](#) (Wang, John)<sup>1,3</sup>  
Source: ADVANCED FUNCTIONAL MATERIALS Volume: 20 Issue: 5 Pages: 722-731 Published: MAR 9 2010

Title: [Transport-of-intensity approach to differential interference contrast \(TI-DIC\) microscopy for quantitative phase imaging](#)  
Author(s): Kou SS, Waller L, Barbastathis G, et al.  
Author(s): [Kou SS](#) (Kou, Shan Shan)<sup>1,2</sup>, [Waller L](#) (Waller, Laura)<sup>3</sup>, [Barbastathis G](#) (Barbastathis, George)<sup>4,5</sup>, [Sheppard CJR](#) (Sheppard, Colin J. R.)<sup>1,2,6</sup>  
Source: OPTICS LETTERS Volume: 35 Issue: 3 Pages: 447-449 Published: FEB 1 2010

Title: [Berry-Phase-Induced Heat Pumping and Its Impact on the Fluctuation Theorem](#)  
Author(s): Ren J, Hanggi P, Li BW  
Author(s): [Ren J](#) (Ren, Jie)<sup>1,2,3</sup>, [Hanggi P](#) (Haenggi, Peter)<sup>2,3,4</sup>, [Li BW](#) (Li, Baowen)<sup>1,2,3</sup>  
Source: PHYSICAL REVIEW LETTERS Volume: 104 Issue: 17 Article Number: 170601 Published: APR 30 2010

Title: [Noise Bridges Dynamical Correlation and Topology in Coupled Oscillator Networks](#)

Author(s): Ren J, Wang WX, Li BW, et al.

Source: PHYSICAL REVIEW LETTERS Volume: 104 Issue: 5 Article Number: 058701 Published: FEB 5 2010

Title: [varLD: a program for quantifying variation in linkage disequilibrium patterns between populations](#)

Author(s): Ong RTH, Teo YY

Author(s): [Ong RTH](#) (Ong, Rick Twee-Hee)[3,4](#), [Teo YY](#) (Teo, Yik-Ying)[1,2](#)

Source: BIOINFORMATICS Volume: 26 Issue: 9 Pages: 1269-1270 Published: MAY 1 2010

Title: [Domain adaptation for semantic role labeling in the biomedical domain](#)

Author(s): Dahlmeier D, Ng HT

Author(s): [Dahlmeier D](#) (Dahlmeier, Daniel)[1](#), [Ng HT](#) (Ng, Hwee Tou)[1,2](#)

Source: BIOINFORMATICS Volume: 26 Issue: 8 Pages: 1098-1104 Published: APR 15 2010

Title: [Identification of recurrent regions of copy-number variants across multiple individuals](#)

Author(s): Mei TS, Salim A, Calza S, et al.

Author(s): Mei TS (Mei, Teo Shu)[2,3,5](#), Salim A (Salim, Agus)[2,3](#), Calza S (Calza, Stefano)[4](#), Seng KC (Seng, Ku Chee)[3](#), Seng CK (Seng, Chia Kee)[2,3](#), Pawitan Y (Pawitan, Yudi)[1](#)

Source: BMC BIOINFORMATICS Volume: 11 Article Number: 147 Published: MAR 22 2010

Title: [The fourth isoform of the adenine nucleotide translocator inhibits mitochondrial apoptosis in cancer cells](#)

Author(s): Gallerne C, Touat Z, Chen ZX, et al.

Author(s): [Gallerne C](#) (Gallerne, Cindy)[1](#), [Touat Z](#) (Touat, Zahia)[1](#), [Chen ZX](#) (Chen, Zhi Xiong)[2](#), [Martel C](#) (Martel, Cecile)[1](#), [Mayola E](#) (Mayola, Eleonore)[1](#), [el Dein OS](#) (el Dein, Ossama Sharaf)[1](#), [Buron N](#) (Buron, Nelly)[3](#), [Le Bras M](#) (Le Bras, Morgane)[1](#), [Jacotot E](#) (Jacotot, Etienne)[3](#), [Borgne-Sanchez A](#) (Borgne-Sanchez, Annie)[3](#), [Lemoine A](#) (Lemoine, Antoinette)[4](#), [Lemaire C](#) (Lemaire, Christophe)[1](#), [Pervaiz S](#) (Pervaiz, Shazib)[2](#), [Brenner C](#) (Brenner, Catherine)[1](#)

Source: INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY Volume: 42 Issue: 5 Pages: 623-629 Published: MAY 2010

Title: [Involvement of cytochrome c oxidase subunits Va and Vb in the regulation of cancer cell metabolism by Bcl-2](#)

Author(s): Chen ZX, Pervaiz S

Source: CELL DEATH AND DIFFERENTIATION Volume: 17 Issue: 3 Pages: 408-420 Published: MAR 2010

Title: [FastTagger: an efficient algorithm for genome-wide tag SNP selection using multi-marker linkage disequilibrium](#)

Author(s): Liu GM, Wang Y, Wong L

Author(s): [Liu GM](#) (Liu, Guimei)[1](#), [Wang Y](#) (Wang, Yue)[2](#), [Wong L](#) (Wong, Limsoon)[1](#)

Source: BMC BIOINFORMATICS Volume: 11 Article Number: 66 Published: JAN 29 2010

Title: [Product measurements and fully symmetric measurements in qubit-pair tomography: A numerical study](#)

Author(s): Teo YS, Zhu HJ, Englert BG

Author(s): [Teo YS](#) (Teo, Yong Siah)[1,2,3](#), [Zhu HJ](#) (Zhu, Huangjun)[2,3](#), [Englert BG](#) (Englert, Berthold-Georg)[1,2](#)

Source: OPTICS COMMUNICATIONS Volume: 283 Issue: 5 Special Issue: Sp. Iss. SI Pages: 724-729 Published: MAR 1 2010

Title: [Structure of the Arabidopsis thaliana DCL4 DUF283 domain reveals a noncanonical double-stranded RNA-binding fold for protein-protein interaction](#)

Author(s): Qin HN, Chen FD, Huan XL, et al.

Author(s): [Qin HN](#) (Qin, Haina)[1](#), [Chen FD](#) (Chen, Fading)[1,2](#), [Huan XL](#) (Huan, Xuelu)[3](#), [Machida S](#) (Machida, Satoru)[1,2](#), [Song JX](#) (Song, Jianxing)[1,4](#), [Yuan YA](#) (Yuan, Y. Adam)[1,2](#)

Source: RNA-A PUBLICATION OF THE RNA SOCIETY Volume: 16 Issue: 3 Pages: 474-481 Published: MAR 2010

Title: [Phase-space representation of partially coherent imaging systems using the Cohen class distribution](#)

Author(s): Mehta SB, Sheppard CJR

Author(s): [Mehta SB](#) (Mehta, Shalin B.)[1,2](#), [Sheppard CJR](#) (Sheppard, Colin J. R.)[1,2,3](#)

Source: OPTICS LETTERS Volume: 35 Issue: 3 Pages: 348-350 Published: FEB 1 2010

Title: [Investigation of bipolar resistive switching and the time-dependent SET process in silver sulfide/silver thin films and nanowire array structures](#)

Author(s): Pi C, Ren Y, Chim WK

Author(s): [Pi C](#) (Pi, C.)[1](#), [Ren Y](#) (Ren, Y.)[2](#), [Chim WK](#) (Chim, W. K.)[1,2](#)  
Source: NANOTECHNOLOGY Volume: 21 Issue: 8 Article Number: 085709 Published: FEB 26 2010

Title: [Hydrogen sulfide promotes transient receptor potential vanilloid 1-mediated neurogenic inflammation in polymicrobial sepsis](#)

Author(s): Ang SF, Moochhala SM, Bhatia M

Author(s): [Ang SF](#) (Ang, Seah-Fang)[1,3](#), [Moochhala SM](#) (Moochhala, Shabbir M.)[2](#), [Bhatia M](#) (Bhatia, Madhav)[1,3](#)

Source: CRITICAL CARE MEDICINE Volume: 38 Issue: 2 Pages: 619-628 Published: FEB 2010

Title: [High Mobility, Printable, and Solution-Processed Graphene Electronics](#)

Author(s): Wang S, Ang PK, Wang ZQ, et al.

Author(s): [Wang S](#) (Wang, Shuai)[1](#), [Ang PK](#) (Ang, Priscilla Kailian)[1,2](#), [Wang ZQ](#) (Wang, Ziqian)[3](#), [Tang ALL](#) (Tang, Ai Ling Lena)[1](#), [Thong JTL](#) (Thong, John T. L.)[3](#), [Loh KP](#) (Loh, Kian Ping)[1](#)

Source: NANO LETTERS Volume: 10 Issue: 1 Pages: 92-98 Published: JAN 2010

Title: [Average transmission probability of a random stack](#)

Author(s): Lu Y, Miniatura C, Englert BG

Author(s): [Lu Y](#) (Lu, Yin)[1,2](#), [Miniatura C](#) (Miniatura, Christian)[1,3,4](#), [Englert BG](#) (Englert, Berthold-Georg)[1,4](#)

Source: EUROPEAN JOURNAL OF PHYSICS Volume: 31 Issue: 1 Pages: 47-55 Published: JAN 2010

Title: [Multi-manifold diffeomorphic metric mapping for aligning cortical hemispheric surfaces](#)

Author(s): Zhong JD, Qiu AQ

Author(s): [Zhong JD](#) (Zhong, Jidan)[2](#), [Qiu AQ](#) (Qiu, Anqi)[1,3,4](#)

Source: NEUROIMAGE Volume: 49 Issue: 1 Pages: 355-365 Published: JAN 1 2010

## 2009

Title: [Comprehensive physical mechanism of two-headed biomotor myosin V](#)

Author(s): Xu YZ, Wang ZS

Author(s): [Xu YZ](#) (Xu, Yuzhi)[3](#), [Wang ZS](#) (Wang, Zhisong)[1,2](#)

Source: JOURNAL OF CHEMICAL PHYSICS Volume: 131 Issue: 24 Article Number: 245104 Published: DEC 28 2009

Title: [Cell Culture on MEMS Platforms: A Review](#)

Author(s): Ni M, Tong WH, Choudhury D, et al.

Author(s): [Ni M](#) (Ni, Ming)[1](#), [Tong WH](#) (Tong, Wen Hao)[1,2](#), [Choudhury D](#) (Choudhury, Deepak)[1,2](#), [Rahim NAA](#) (Rahim, Nur Aida Abdul)[3](#), [Iliescu C](#) (Iliescu, Ciprian)[1](#), [Yu H](#) (Yu, Hanry)[1,2,3,4,5](#)

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 10 Issue: 12 Pages: 5411-5441 Published: DEC 2009

Title: [Image formation in holographic tomography: high-aperture imaging conditions](#)

Author(s): Kou SS, Sheppard CJR

Conference Information: Digital Holography and 3-D Imaging Topical Meeting, APR, 2009 Vancouver, CANADA

Source: APPLIED OPTICS Volume: 48 Issue: 34 Pages: H168-H175 Published: DEC 1 2009

Title: [Surface Coating with a Thermoresponsive Copolymer for the Culture and Non-Enzymatic Recovery of Mouse Embryonic Stem Cells](#)

Author(s): Loh XJ, Gong JS, Sakuragi M, et al.

Source: MACROMOLECULAR BIOSCIENCE Volume: 9 Issue: 11 Pages: 1069-1079 Published: NOV 10 2009

Title: [High-Throughput Synthesis of Graphene by Intercalation - Exfoliation of Graphite Oxide and Study of Ionic Screening in Graphene Transistor](#)

Author(s): Ang PK, Wang S, Bao QL, et al.

Source: ACS NANO Volume: 3 Issue: 11 Pages: 3587-3594 Published: NOV 2009

Title: [Repression of NHE1 Expression by PPAR gamma Activation Is a Potential New Approach for Specific Inhibition of the Growth of Tumor Cells In vitro and In vivo](#)

Author(s): Kumar AP, Quake AL, Chang MKX, et al.

Author(s): [Kumar AP](#) (Kumar, Alan Prem)[2,4](#), [Quake AL](#) (Quake, Ai Li)[2](#), [Chang MKX](#) (Chang, Michelle Ker Xing)[1](#), [Zhou T](#) (Zhou, Ting)[2,5](#), [Lim KSY](#) (Lim, Kelly Swee Ying)[3,6](#), [Singh R](#) (Singh, Rajeev)[5](#), [Hewitt RE](#) (Hewitt,

Robert Edwin)[3,6](#), [Salto-Tellez M](#) (Salto-Tellez, Manuel)[3](#), [Pervaiz S](#) (Pervaiz, Shazib)[2,5,7,8](#), [Clement MV](#) (Clement, Marie-Veronique)[1,5](#)

Source: CANCER RESEARCH Volume: 69 Issue: 22 Pages: 8636-8644 Published: NOV 15 2009

Title: [Ultracold fermions in a graphene-type optical lattice](#)

Author(s): Lee KL, Gremaud B, Han R, et al.

Author(s): [Lee KL](#) (Lee, Kean Loon)[1,2,3](#), [Gremaud B](#) (Gremaud, Benoit)[1,2,4](#), [Han R](#) (Han, Rui)[1](#), [Englert BG](#) (Englert, Berthold-Georg)[1,4](#), [Miniatura C](#) (Miniatura, Christian)[1,4,5](#)

Source: PHYSICAL REVIEW A Volume: 80 Issue: 4 Article Number: 043411 Published: OCT 2009

Title: [Combined analyses of thalamic volume, shape and white matter integrity in first-episode schizophrenia](#)

Author(s): Qiu AQ, Zhong JD, Graham S, et al.

Source: NEUROIMAGE Volume: 47 Issue: 4 Pages: 1163-1171 Published: OCT 1 2009

Title: [Laminar-flow immediate-overlay hepatocyte sandwich perfusion system for drug hepatotoxicity testing](#)

Author(s): Xia L, Ng S, Han RB, et al.

Author(s): [Xia L](#) (Xia, Lei)[2,3](#), [Ng S](#) (Ng, Susanne)[2,4](#), [Han RB](#) (Han, Rongbin)[2,5](#), [Tuo XY](#) (Tuo, Xiaoye)[2,6,7](#), [Xiao GF](#) (Xiao, Guangfa)[2,8,10](#), [Leo HL](#) (Leo, Hwa Liang)[1,2](#), [Cheng TM](#) (Cheng, Tianming)[2,9,10](#), [Yu HR](#) (Yu, Hanry)[2,3,10,11,12](#)

Source: BIOMATERIALS Volume: 30 Issue: 30 Pages: 5927-5936 Published: OCT 2009

Title: [The Hepatitis C Virus Core Protein Contains a BH3 Domain That Regulates Apoptosis through Specific Interaction with Human Mcl-1](#)

Author(s): Mohd-Ismail NK, Deng L, Sukumaran SK, et al.

Author(s): [Mohd-Ismail NK](#) (Mohd-Ismail, Nur Khairiah)[2](#), [Deng L](#) (Deng, Lin)[3](#), [Sukumaran SK](#) (Sukumaran, Sunil Kumar)[5](#), [Yu VC](#) (Yu, Victor C.)[4,5](#), [Hotta H](#) (Hotta, Hak)[3](#), [Tan YJ](#) (Tan, Yee-Joo)[1](#)

Source: JOURNAL OF VIROLOGY Volume: 83 Issue: 19 Pages: 9993-10006 Published: OCT 2009

Title: [Improvements in confocal microscopy imaging using serrated divided apertures](#)

Author(s): Gong W, Si K, Sheppard CJR

Author(s): [Gong W](#) (Gong, Wei)[1](#), [Si K](#) (Si, Ke)[2](#), [Sheppard CJR](#) (Sheppard, Colin J. R.)[1,2,3](#)

Source: OPTICS COMMUNICATIONS Volume: 282 Issue: 19 Pages: 3846-3849 Published: OCT 1 2009

Title: [Biodegradable Thermogelling Poly\[\(R\)-3-hydroxybutyrate\]-Based Block Copolymers: Micellization, Gelation, and Cytotoxicity and Cell Culture Studies](#)

Author(s): Loh XJ, Goh SH, Li J

Source: JOURNAL OF PHYSICAL CHEMISTRY B Volume: 113 Issue: 35 Pages: 11822-11830 Published: SEP 3 2009

Title: [Novel poly\(N-isopropylacrylamide\)-poly\[\(R\)-3-hydroxybutyrate\]-poly\(N-isopropylacrylamide\) triblock copolymer surface as a culture substrate for human mesenchymal stem cells](#)

Author(s): Loh XJ, Cheong WCD, Li J, et al.

Source: SOFT MATTER Volume: 5 Issue: 15 Pages: 2937-2946 Published: 2009

Title: [Facile synthesis of hybrid silica nanocapsules by interfacial templating condensation and their application in fluorescence imaging](#)

Author(s): Tan H, Liu NS, He BP, et al.

Source: CHEMICAL COMMUNICATIONS Issue: 41 Pages: 6240-6242 Published: 2009

Title: [Unraveled mechanism in silk engineering: Fast reeling induced silk toughening](#)

Author(s): Wu X, Liu XY, Du N, et al.

Author(s): [Wu X](#) (Wu, Xiang)[1,2](#), [Liu XY](#) (Liu, Xiang-Yang)[1,3](#), [Du N](#) (Du, Ning)[1](#), [Xu GQ](#) (Xu, Gangqin)[1](#), [Li BW](#) (Li, Baowen)[1,2,3](#)

Source: APPLIED PHYSICS LETTERS Volume: 95 Issue: 9 Article Number: 093703 Published: AUG 31 2009

Title: [Triacylglycerol Utilization Is Required for Regrowth of In Vitro Hypoxic Nonreplicating Mycobacterium bovis Bacillus Calmette-Guerin](#)

Author(s): Low KL, Rao PSS, Shui GH, et al.

Author(s): [Low KL](#) (Low, Kai Leng)[1](#), [Rao PSS](#) (Rao, P. S. Srinivasa)[4](#), [Shui GH](#) (Shui, Guanghou)[2](#), [Bendt AK](#) (Bendt, Anne K.)[2](#), [Petthe K](#) (Petthe, Kevin)[4](#), [Dick T](#) (Dick, Thomas)[4](#), [Wenk MR](#) (Wenk, Markus R.)[1,2,3](#)

Source: JOURNAL OF BACTERIOLOGY Volume: 191 Issue: 16 Pages: 5037-5043 Published: AUG 15 2009

Title: [The controlled presentation of TGF-beta 1 to hepatocytes in a 3D-microfluidic cell culture system](#)

Author(s): Zhang C, Chia SM, Ong SM, et al.

Author(s): [Zhang C](#) (Zhang, Chi)[2,3](#), [Chia SM](#) (Chia, Ser-Mien)[1](#), [Ong SM](#) (Ong, Siew-Min)[2,3](#), [Zhang SF](#) (Zhang, Shufang)[2,4](#), [Toh YC](#) (Toh, Yi-Chin)[2](#), [van Noort D](#) (van Noort, Danny)[2](#), [Yu H](#) (Yu, Hanry)[1,2,3,4,5,6,7](#)

Source: BIOMATERIALS Volume: 30 Issue: 23-24 Pages: 3847-3853 Published: AUG 2009

Title: [The fabrication of nano-hydroxyapatite on PLGA and PLGA/collagen nanofibrous composite scaffolds and their effects in osteoblastic behavior for bone tissue engineering](#)

Author(s): Ngiam M, Liao SS, Patil AJ, et al.

Author(s): [Ngiam M](#) (Ngiam, Michelle)[2](#), [Liao SS](#) (Liao, Susan)[1](#), [Patil AJ](#) (Patil, Avinash J.)[3](#), [Cheng ZY](#) (Cheng, Ziyuan), [Chan CK](#) (Chan, Casey K.), [Ramakrishna S](#) (Ramakrishna, S.)

Source: BONE Volume: 45 Issue: 1 Pages: 4-16 Published: JUL 2009

Title: [Quantitative phase-gradient imaging at high resolution with asymmetric illumination-based differential phase contrast](#)

Author(s): Mehta SB, Sheppard CJR

Source: OPTICS LETTERS Volume: 34 Issue: 13 Pages: 1924-1926 Published: JUL 1 2009

Title: [mitoEnergetics and cancer cell fate](#)

Author(s): Chen ZX, Velaithan R, Pervaiz S

Conference Information: International Symposium on Mitochondrial Physiology and Pathology, JUN, 2008 Bari, ITALY

Source: BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS Volume: 1787 Issue: 5 Special Issue: Sp. Iss. SI Pages: 462-467 Published: MAY 2009

Title: [Thermodynamic stability of small-world oscillator networks: A case study of proteins](#)

Author(s): Ren J, Li BW

Source: PHYSICAL REVIEW E Volume: 79 Issue: 5 Article Number: 051922 Part: Part 1 Published: MAY 2009

Title: [Thermoelectric performance of silicon nanowires](#)

Author(s): Zhang G, Zhang QX, Bui CT, et al.

Author(s): [Zhang G](#) (Zhang, Gang)[1](#), [Zhang QX](#) (Zhang, Qingxin)[1](#), [Bui CT](#) (Bui, Cong-Tinh)[2](#), [Lo GQ](#) (Lo, Guo-Qiang)[1](#), [Li BW](#) (Li, Baowen)[2,3,4](#)

Source: APPLIED PHYSICS LETTERS Volume: 94 Issue: 21 Article Number: 213108 Published: MAY 25 2009

Title: [Identification of HUGT1 as a potential BiP activator and a cellular target for improvement of recombinant protein production using a cDNA screening system](#)

Author(s): Ku SCY, Lwa TR, Giam M, et al.

Author(s): [Ku SCY](#) (Ku, Sebastian Chih Yuan)[2,1](#), [Lwa TR](#) (Lwa, Teng Rhui)[1](#), [Giam M](#) (Giam, Maybelline)[1](#), [Yap MGS](#) (Yap, Miranda Gek Sim)[3,1,2](#), [Chao SH](#) (Chao, Sheng-Hao)[1](#)

Source: MOLECULES AND CELLS Volume: 27 Issue: 5 Pages: 577-582 Published: MAY 2009

Title: [Next-generation DNA sequencing of paired-end tags \(PET\) for transcriptome and genome analyses](#)

Author(s): Fullwood MJ, Wei CL, Liu ET, et al.

Author(s): [Fullwood MJ](#) (Fullwood, Melissa J.)[1,2](#), [Wei CL](#) (Wei, Chia-Lin)[1](#), [Liu ET](#) (Liu, Edison T.)[1,3](#), [Ruan YJ](#) (Ruan, Yijun)[1,4](#)

Source: GENOME RESEARCH Volume: 19 Issue: 4 Pages: 521-532 Published: APR 2009

Title: [Feedforward control based on neural networks for disturbance rejection in hard disk drives](#)

Author(s): Ren X, Lai CY, Venkataramanan V, et al.

Author(s): [Ren X](#) (Ren, X.)[1](#), [Lai CY](#) (Lai, C. Y.)[2](#), [Venkataramanan V](#) (Venkataramanan, V.)[3](#), [Lewis FL](#) (Lewis, F. L.)[4](#), [Ge SS](#) (Ge, S. S.)[5](#), [Liew T](#) (Liew, T.)[3](#)

Source: IET CONTROL THEORY AND APPLICATIONS Volume: 3 Issue: 4 Pages: 411-418 Published: APR 2009

Title: [Towards a human-on-chip: Culturing multiple cell types on a chip with compartmentalized microenvironments](#)

Author(s): Zhang C, Zhao ZQ, Rahim NAA, et al.

Author(s): [Zhang C](#) (Zhang, Chi)[1,2](#), [Zhao ZQ](#) (Zhao, Ziqing)[1](#), [Rahim NAA](#) (Rahim, Nur Aida Abdul)[3](#), [van Noort D](#) (van Noort, Danny)[1,5](#), [Yu H](#) (Yu, Hanry)[1,2,3,4,5,6,7,8](#)

Source: LAB ON A CHIP Volume: 9 Issue: 22 Pages: 3185-3192 Published: 2009

Title: [Asymmetric Mannich Reaction of Fluorinated Ketoesters with a Tryptophan-Derived Bifunctional Thiourea Catalyst](#)

Author(s): Han X, Kwiatkowski J, Xue F, et al.

Author(s): [Han X](#) (Han, Xiao)[1](#), [Kwiatkowski J](#) (Kwiatkowski, Jacek)[1,3](#), [Xue F](#) (Xue, Feng)[1](#), [Huang KW](#) (Huang, Kuo-Wei)[1](#), [Lu YX](#) (Lu, Yixin)[1,2,3](#)

Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION Volume: 48 Issue: 41 Pages: 7604-7607  
Published: 2009

Title: [Three-dimensional coherent transfer function for a confocal microscope with two D-shaped pupils](#)

Author(s): Si K, Gong W, Sheppard CJR

Source: APPLIED OPTICS Volume: 48 Issue: 5 Pages: 810-817 Published: FEB 10 2009

Title: [Na<sup>+</sup> and Ca<sup>2+</sup> ion selective pyridylcarboxylate rings of Pd\(II\) and Pt\(II\)](#)

Author(s): Teo P, Koh LL, Hor TSA

Author(s): [Teo P](#) (Teo, Peili)[1](#), [Koh LL](#) (Koh, L. L.)[2](#), [Hor TSA](#) (Hor, T. S. Andy)[2](#)

Source: DALTON TRANSACTIONS Issue: 29 Pages: 5637-5646 Published: 2009

Title: [Isolation of cationic digold-frame with free carboxylic acid pendants](#)

Author(s): Teo PL, Wang J, Koh LL, et al.

Source: DALTON TRANSACTIONS Issue: 25 Pages: 5009-5014 Published: 2009

Title: [Stem Cells in Microfluidics](#)

Author(s): van Noort D, Ong SM, Zhang C, et al.

Source: BIOTECHNOLOGY PROGRESS Volume: 25 Issue: 1 Pages: 52-60 Published: JAN-FEB 2009

Title: [Identification of Cellular Objective for Elucidating the Physiological State of Plasmid-Bearing Escherichia coli Using Genome-Scale In Silico Analysis](#)

Author(s): Ow DSW, Lee DY, Yap MGS, et al.

Author(s): [Ow DSW](#) (Ow, Dave Siak-Wei)[2,1](#), [Lee DY](#) (Lee, Dong-Yup)[1,2,3](#), [Yap MGS](#) (Yap, Miranda Gek-Sim)[1,2,3](#), [Oh SKW](#) (Oh, Steve Kah-Weng)[1](#)

Source: BIOTECHNOLOGY PROGRESS Volume: 25 Issue: 1 Pages: 61-67 Published: JAN-FEB 2009

Title: [Enhancement of plasmid DNA yields during fed-batch culture of a fruR-knockout Escherichia coli strain](#)

Author(s): Ow DSW, Yap MGS, Oh SKW

Source: BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY Volume: 52 Pages: 53-59 Part: Part 1 Published: JAN 2009

Title: [BCL-2: pro-or anti-oxidant?](#)

Author(s): Chen ZX, Pervaiz S

Source: FRONTIERS IN BIOSCIENCE Volume: 14 Pages: 4809-4814 Published: JAN 2009

Title: [Conductivity Switching and Electronic Memory Effect in Polymers with Pendant Azobenzene Chromophores](#)

Author(s): Lim SL, Li NJ, Lu JM, et al.

Source: ACS APPLIED MATERIALS & INTERFACES Volume: 1 Issue: 1 Pages: 60-71 Published: JAN 2009

Title: [Toward a higher-level visual representation for object-based image retrieval](#)

Author(s): Zheng YT, Neo SY, Chua TS, et al.

Author(s): [Zheng YT](#) (Zheng, Yan-Tao)[1](#), [Neo SY](#) (Neo, Shi-Yong)[2](#), [Chua TS](#) (Chua, Tat-Seng)[3](#), [Tian Q](#) (Tian, Qi)[4](#)  
Conference Information: 14th International Multimedia Modeling Conference (MMM 2008), JAN 09-11, 2008 Kyoto Univ, Kyoto, JAPAN

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Title: [Effect of in situ FIB Trimming on the Spin Configurations of Hexagonal-Shaped Elements Characterized by SEMPA Imaging](#)

Author(s): Lua SYH, Kushvaha SS, Wu YH, et al.

Author(s): [Lua SYH](#) (Lua, Sunny Yan Hwee)[2,3](#), [Kushvaha SS](#) (Kushvaha, Sunil Singh)[1](#), [Wu YH](#) (Wu, Yihong H.)[1](#), [Teo KL](#) (Teo, Kie Leong)[1](#), [Chong TC](#) (Chong, Tow Chong)[3](#)

Conference Information: IEEE International Magnetics Conference (INTERMAG), MAY 04-08, 2008 Madrid, SPAIN



Source: IEEE TRANSACTIONS ON MAGNETICS Volume: 44 Issue: 11 Pages: 3229-3232 Part: Part 1  
Published: NOV 2008

Title: [Micellization and phase transition behavior of thermosensitive poly\(N-isopropylacrylamide\)-poly\(epsilon-caprolactone\)-poly \(N-isopropylacrylamide\) triblock copolymers](#)

Author(s): Loh XJ, Wu YL, Seow WTJ, et al.

Source: POLYMER Volume: 49 Issue: 23 Pages: 5084-5094 Published: OCT 30 2008

Title: [Image formation in holographic tomography](#)

Author(s): Kou SS, Sheppard CJR

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Title: [Chirality control and switching of vortices formed in hexagonal shaped ferromagnetic elements](#)

Author(s): Lua SYH, Kushvaha SS, Wu YH, et al.

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Title: [Kinetics of adhesion mediated by extracellular loops of claudin-2 as revealed by single-molecule force spectroscopy](#)

Author(s): Lim TS, Vedula SRK, Hunziker W, et al.

Author(s): [Lim TS](#) (Lim, Tong Seng)[3,4](#), [Vedula SRK](#) (Vedula, Sri Ram Krishna)[1,2](#), [Hunziker W](#) (Hunziker, Walter)[5](#), [Lim CT](#) (Lim, Chwee Teck)[1,2](#)

Source: JOURNAL OF MOLECULAR BIOLOGY Volume: 381 Issue: 3 Pages: 681-691 Published: SEP 5 2008

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Author(s): Koh HS, Yong T, Chan CK, et al. Author(s): [Koh HS](#) (Koh, H. S.)[1](#), [Yong T](#) (Yong, Thomas)[2](#), [Chan CK](#) (Chan, C. K.)[2,3](#), [Ramakrishna S](#) (Ramakrishna, S.)[1,2,4](#)

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Author(s): Lim TS, Vedula SRK, Hui S, et al.

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Author(s): Loh XJ, Sng KBC, Li J

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Author(s): Li J, Loh XJ

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Author(s): Loh XJ, Tan YX, Li ZY, et al.

Source: BIOMATERIALS Volume: 29 Issue: 14 Pages: 2164-2172 Published: MAY 2008

Title: [Molecular conformation-dependent memory effects in non-conjugated polymers with pendant carbazole moieties](#)

Author(s): Lim SL, Ling QD, Teo EYH, et al.

Author(s): [Lim SL](#) (Lim, Siew Lay)[1](#), [Ling QD](#) (Ling, Qidan), [Teo EYH](#) (Teo, Eric Yeow Hwee), [Zhu CX](#) (Zhu, Chun Xiang), [Chan DSH](#) (Chan, Daniel Siu Hung), [Kang ET](#) (Kang, En Tang), [Neoh KG](#) (Neoh, Koon Gee)

Conference Information: Symposium on Materials Science and Technology for Nonvolatile Memories held at the 2008MRS Spring Meeting, MAR 24-27, 2008 San Francisco, CA

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Author(s): Lim TS, Vedula SRK, Kausalya PJ, et al.  
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Author(s): Ku SCY, Ng DTW, Yap MGS, et al.  
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Author(s): Fua CH, Ge SS, Do KD, et al.  
Author(s): [Fua CH](#) (Fua, Cheng-Heng)<sup>1,2</sup>, [Ge SS](#) (Ge, Shuzhi Sam)<sup>3</sup>, [Do KD](#) (Do, Khac Duc), [Lim KW](#) (Lim, Khiang-Wee)  
Source: IEEE TRANSACTIONS ON ROBOTICS Volume: 23 Issue: 6 Pages: 1160-1169 Published: DEC 2007

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Author(s): Vedula SRK, Lim TS, Hui S, et al.  
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Author(s): Lim SL, Ling QD, Teo EYH, et al.  
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Author(s): Ow DSW, Lee RMY, Nissom PM, et al.  
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Title: [Novel intra-tissue perfusion system for culturing thick liver tissue](#)  
Author(s): Khong YM, Mang J, Zhou SB, et al.  
Author(s): [Khong YM](#) (Khong, Yuet Mei), [Mang J](#) (Mang, Jing), [Zhou SB](#) (Zhou, Sibao), [Cheung C](#) (Cheung, Christine), [Doberstein K](#) (Doberstein, Kai), [Samper V](#) (Samper, Victor), [Yu H](#) (Yu, Hanry)  
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Author(s): Eu ZA, Seah WKG  
Author(s): [Eu ZA](#) (Eu, Zhi Ang)<sup>1</sup>, [Seah WKG](#) (Seah, Winston Khoon Guan)  
Conference Information: 18th IEEE International Symposium on Personal, Indoor and Mobile Radio Communication, SEP 03-07, 2007 Athens, GREECE  
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Author(s): Lua SYH, Wu YH, Teo KL, et al.  
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Author(s): Loong SNK, Mishra SK  
Author(s): [Loong SNK](#) (Kwang Loong, Stanley Ng), [Mishra SK](#) (Mishra, Santosh K.)



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Author(s): Tang PK, Chew YH, Ong LC, et al.

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Author(s): Mar CH, Seah WKG

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