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Bioelectrocatalytic System Coupled with Enzyme-Based Biocomputing Ensembles Performing Boolean Logic Operations: Approaching “Smart” Physiologically Controlled Biointerfaces

Jian Zhou, Tsz Kin Tam, Marcos Pita, Maryna Ornatska, Sergiy Minko and Evgeny Katz

2009, *1* (1), pp 144-149

Publication Date (Web): November 24, 2008 ([Research Article](#))

DOI: 10.1021/am800088d

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Conjugated Polyelectrolyte Capsules: Light-Activated Antimicrobial Micro “Roach Motels”

Thomas S. Corbitt, Jonathan R. Sommer, Sireesha Chemburu, Katsu Ogawa, Linnea K. Ista, Gabriel P. Lopez, David G. Whitten and Kirk S. Schanze

2009, *1* (1), pp 48-52

Publication Date (Web): November 24, 2008 ([Letter](#))

DOI: 10.1021/am800096q

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PbSe Nanocrystal Network Formation during Pyridine Ligand Displacement

Tobias Hanrath, Dirk Veldman, Joshua J. Choi, Christina G. Christova, Martijn M. Wienk and René A. J. Janssen

2009, *1* (2), pp 244-250

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Low-Band-Gap Platinum Acetylide Polymers as Active Materials for Organic Solar Cells

Jianguo Mei, Katsu Ogawa, Young-Gi Kim, Nathan C. Heston, Daniel J. Arenas, Zahra Nasrollahi, Tracy D. McCarley, David B. Tanner, John R. Reynolds and Kirk S. Schanze

2009, 1 (1), pp 150-161

Publication Date (Web): January 13, 2009 (Research Article)

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Toward Understanding Amino Acid Adsorption at Metallic Interfaces: A Density Functional Theory Study

Gongyi Hong, Hendrik Heinz, Rajesh R. Naik, Barry L. Farmer and Ruth Pachter

2009, 1 (2), pp 388-392

Publication Date (Web): January 6, 2009 (Research Article)

DOI: 10.1021/am800099z

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Efficient Near-Infrared Polymer and Organic Light-Emitting Diodes Based on Electrophosphorescence from (Tetraphenyltetranaphtho[2,3]porphyrin)platinum(II)

Jonathan R. Sommer, Richard T. Farley, Kenneth R. Graham, Yixing Yang, John R. Reynolds, Jiangeng Xue and Kirk S. Schanze

2009, 1 (2), pp 274-278

Publication Date (Web): February 3, 2009 (Letter)

DOI: 10.1021/am800236x

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Thienylsilane-Modified Indium Tin Oxide as an Anodic Interface in Polymer/Fullerene Solar Cells

David A. Rider, Ken D. Harris, Dong Wang, Jennifer Bruce, Michael D. Fleischauer, Ryan T. Tucker, Michael J. Brett and Jillian M. Buriak

2009, 1 (2), pp 279-288

Publication Date (Web): December 1, 2008 (Research Article)

DOI: 10.1021/am800081k

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Blue to True-Blue Phosphorescent Ir^{III} Complexes Bearing a Nonconjugated Ancillary Phosphine Chelate: Strategic Synthesis, Photophysics, and Device Integration

Yuan-Chieh Chiu, Yun Chi, Jui-Yi Hung, Yi-Ming Cheng, Ya-Chien Yu, Ming-Wen Chung, Gene-Hsiang Lee, Pi-Tai Chou, Chung-Chia Chen, Chung-Chih Wu and Hsi-Ying Hsieh

2009, 1 (2), pp 433-442

Publication Date (Web): February 9, 2009 (Research Article)

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- 2009, *1* (3), pp 532-536
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- Jingming Gong, Zhengji Zhou, Xianluo Hu, Man-keung Wong, Ka-wai Wong and Zuliang Du
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Flexible Magnetic Microtubules Structured by Lipids and Magnetic Nanoparticles

Eun Chul Cho, Jongwon Shim, Kyeong Eun Lee, Jin-Woong Kim and Sung Sik Han

2009, 1 (6), pp 1159-1162

Publication Date (Web): May 11, 2009 (Letter)

DOI: 10.1021/am900139b

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 Layered Metal Phosphonate Reinforced Poly(L-lactide) Composites with a Highly Enhanced Crystallization Rate

Pengju Pan, Zhichao Liang, Amin Cao and Yoshio Inoue

2009, 1 (2), pp 402-411

Publication Date (Web): January 7, 2009 (Research Article)

DOI: 10.1021/am800106f

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 Formation and Properties of Stabilized Aluminum Nanoparticles

Mohammed J. Meziani, Christopher E. Bunker, Fushen Lu, Heting Li, Wei Wang, Elena A. Gulians, Robert A. Quinn and Ya-Ping Sun

2009, 1 (3), pp 703-709

Publication Date (Web): February 24, 2009 (Research Article)

DOI: 10.1021/am800209m

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 Nanostructures of Octadecyltrisiloxane Self-Assembled Monolayers Produced on Au(111) Using Particle Lithography

Jie-Ren Li and Jayne C. Garno

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 Radiation-Resistant Behavior of Poly(vinylidene fluoride)/Layered Silicate Nanocomposites

Vimal K. Tiwari, Pawan K. Kulriya, Devesh K. Avasthi and Pralay Maiti

2009, 1 (2), pp 311-318

Publication Date (Web): December 1, 2008 (Research Article)

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Conductivity Switching and Electronic Memory Effect in Polymers with Pendant Azobenzene Chromophores

Siew Lay Lim, Na-Jun Li, Jian-Mei Lu, Qi-Dan Ling, Chun Xiang Zhu, En-Tang Kang and Koon Gee Neoh

2009, *1* (1), pp 60-71

Publication Date (Web): December 1, 2008 (Research Article)

DOI: 10.1021/am800001e

[Abstract](#) [Full Text HTML](#) [Hi-Res PDF \[2000K\]](#) [PDF w/ Links \[551K\]](#) [Subscriber Access](#) **Smart Nanofibers from Combined Living Radical Polymerization, “Click Chemistry”, and Electrospinning**

G. D. Fu, L. Q. Xu and F. Yao, K. Zhang, X. F. Wang and M. F. Zhu, S. Z. Nie

2009, *1* (2), pp 239-243

Publication Date (Web): January 9, 2009 (Letter)

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