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Jacob Tse-Wei Wang, James M. Ball, Eva M. Barea, Antonio Abate, Jack A. Alexander-Webber, Jian Huang, Michael Saliba, Iván Mora-Sero, Juan Bisquert, Henry J. Snaith, and Robin J. Nicholas

2014, 14 (2), pp 724-730

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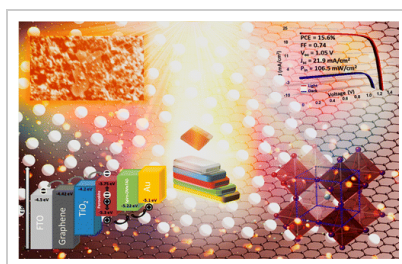
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 Nanocrystalline Rutile Electron Extraction Layer Enables Low-Temperature Solution Processed Perovskite Photovoltaics with 13.7% Efficiency

Aswani Yella, Leo-Philipp Heiniger, Peng Gao, Mohammad Khaja Nazeeruddin, and Michael Grätzel

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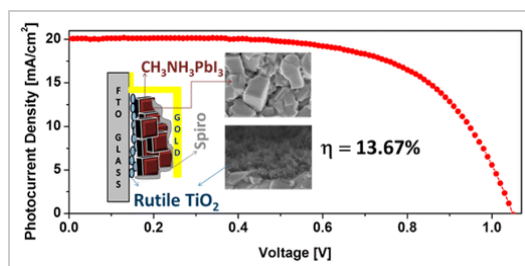
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Hennrik Schmidt, Shunfeng Wang, Leiqiang Chu, Minglin Toh, Rajeev Kumar, Weijie Zhao, A. H. Castro Neto, Jens Martin, Shaffique Adam, Barbaros Özyilmaz, and Goki Eda

2014, 14 (4), pp 1909-1913

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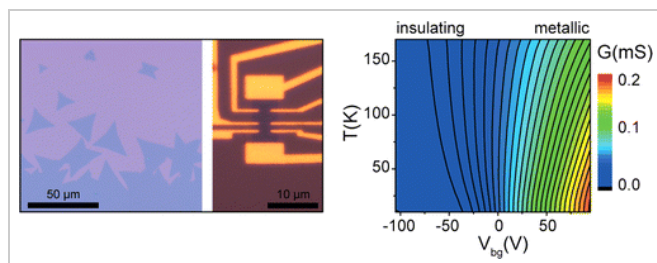


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General Working Principles of CH₃NH₃PbX₃ Perovskite Solar Cells

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Victoria Gonzalez-Pedro, Emilio J. Juarez-Perez, Waode-Sukmawati Arsyad, Eva M. Barea, Francisco Fabregat-Santiago, Ivan Mora-Sero, and Juan Bisquert

2014, 14 (2), pp 888-893

Publication Date (Web): January 7, 2014 (Letter)

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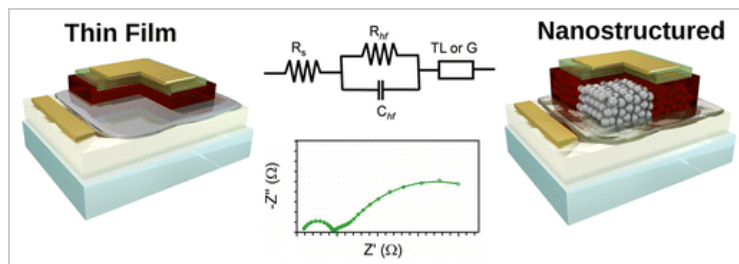


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□ **Stark Effect in Perovskite/TiO₂ Solar Cells: Evidence of Local Interfacial Order**

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Vittoria Roiati, Edoardo Mosconi, Andrea Listorti, Silvia Colella, Giuseppe Gigli, and Filippo De Angelis

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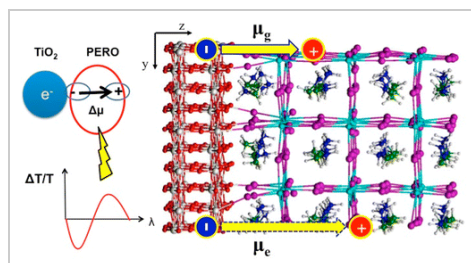


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□ **Efficient Photoelectrochemical Water Splitting with Ultrathin films of Hematite on Three-Dimensional Nanophotonic Structures**

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Yongcai Qiu, Siu-Fung Leung, Qianpeng Zhang, Bo Hua, Qingfeng Lin, Zhanhua Wei, Kwong-Hoi Tsui, Yuegang Zhang, Shihe Yang, and Zhiyong Fan

2014, 14 (4), pp 2123-2129

Publication Date (Web): March 6, 2014 (Letter)

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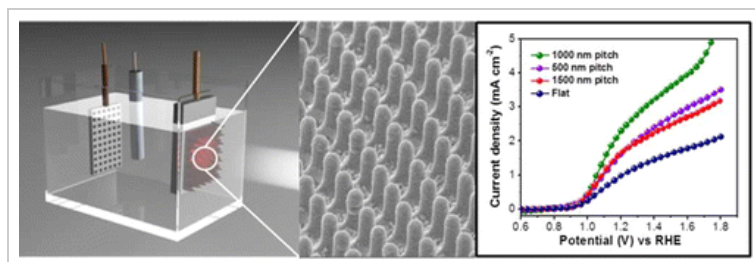


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Band Offset and Negative Compressibility in Graphene-MoS₂ Heterostructures

Stefano Larentis, John R. Tolsma, Babak Fallahazad, David C. Dillen, Kyoungwan Kim, Allan H. MacDonald, and Emanuel Tutuc

2014, 14 (4), pp 2039-2045

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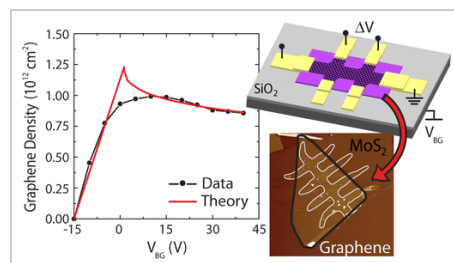


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Oriented Assembled TiO₂ Hierarchical Nanowire Arrays with Fast Electron Transport Properties

Xia Sheng, Dongqing He, Jie Yang, Kai Zhu, and Xinjian Feng

2014, 14 (4), pp 1848-1852

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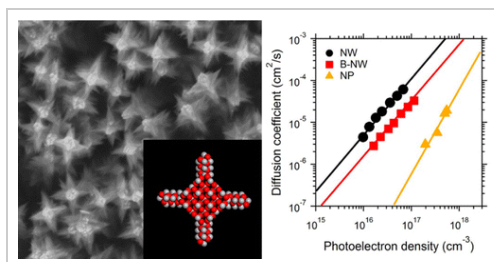


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Thermal Properties of Graphene–Copper–Graphene Heterogeneous Films

Pradyumna Goli, Hao Ning, Xuesong Li, Ching Yu Lu, Konstantin S. Novoselov, and Alexander A. Balandin

2014, 14 (3), pp 1497-1503

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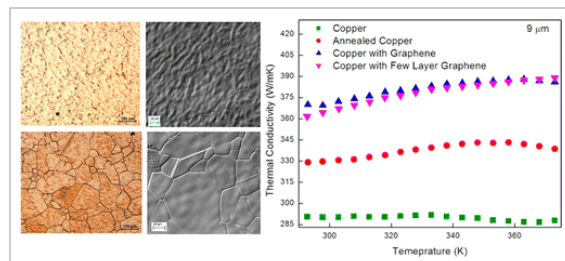


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Mono- and Bilayer WS₂ Light-Emitting Transistors

Sanghyun Jo, Nicolas Ubrig, Helmuth Berger, Alexey B. Kuzmenko, and Alberto F. Morpurgo

2014, 14 (4), pp 2019-2025

Publication Date (Web): March 26, 2014 (Letter)

DOI: 10.1021/nl500171v

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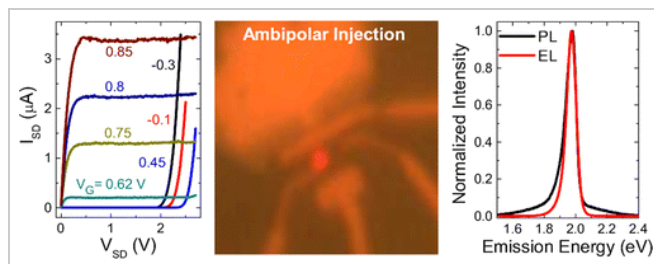


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Uniform and Ordered Copper Nanomeshes by Microsphere Lithography for Transparent Electrodes

Tongchuan Gao, Baomin Wang, Bo Ding, Jung-kun Lee, and Paul W. Leu

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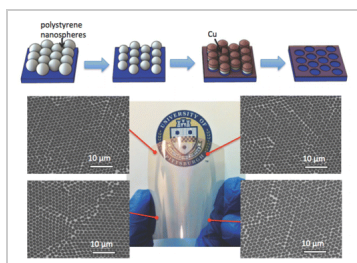


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Au-Seeded Growth of Vertical and in-Plane III-V Nanowires on Graphite Substrates

Jesper Wallentin, Dominik Kriegner, Julian Stangl, and Magnus T. Borgström

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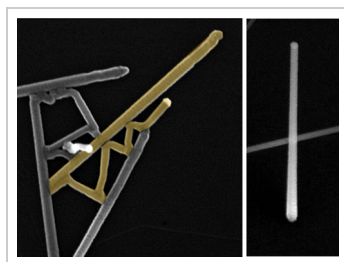


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Three-Dimensional Nanoelectrode by Metal Nanowire Nonwoven Clothes

Makoto Kawamori, Takahiro Asai, Yoshimasa Shirai, Shunsuke Yagi, Masatsugu Oishi, Tetsu Ichitsubo, and Eiichiro Matsubara

2014, 14 (4), pp 1932-1937

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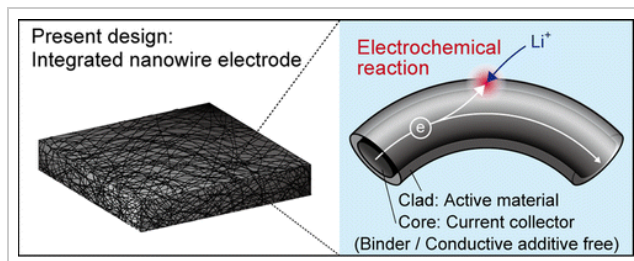


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Shape-Selective Deposition and Assembly of Anisotropic Nanoparticles

Yu Zhou, Xiaozhu Zhou, Daniel J. Park, Korosh Torabi, Keith A. Brown, Matthew R. Jones, Chuan Zhang, George C. Schatz, and Chad A. Mirkin

2014, 14 (4), pp 2157-2161

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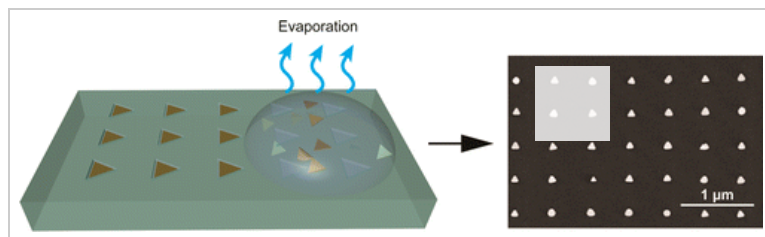


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Plasmon-Enhanced Raman Scattering by Carbon Nanotubes Optically Coupled with Near-Field Cavities

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Sebastian Heeg, Antonios Oikonomou, Roberto Fernandez-Garcia, Christian Lehmann, Stefan A. Maier, Aravind Vijayaraghavan, and Stephanie Reich

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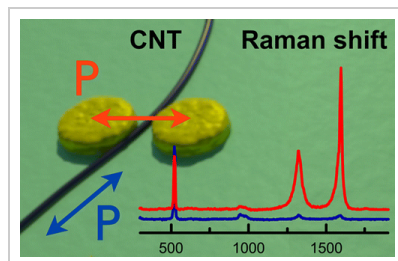


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Anomalous Capacitive Behaviors of Graphene Oxide Based Solid-State Supercapacitors

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Qing Zhang, Kathryn Scrafford, Mingtao Li, Zeyuan Cao, Zhenhai Xia, Pulickel M. Ajayan, and Bingqing Wei

2014, 14 (4), pp 1938-1943

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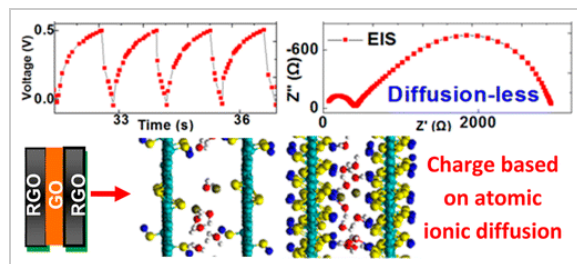


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A Facile Methodology for the Production of In Situ Inorganic Nanowire Hydrogels/Aerogels

Sung Mi Jung, Hyun Young Jung, Wenjing Fang, Mildred S. Dresselhaus, and Jing Kong

2014, 14 (4), pp 1810-1817

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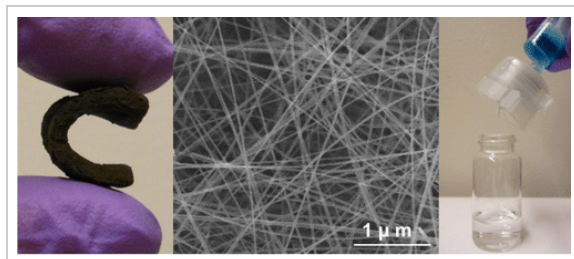


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Large-Area Synthesis of Monolayer and Few-Layer MoSe₂ Films on SiO₂ Substrates

Xin Lu, M. Iqbal Bakti Utama, Junhao Lin, Xue Gong, Jun Zhang, Yanyuan Zhao, Sokrates T. Pantelides, Jingxian Wang, Zhili Dong, Zheng Liu, Wu Zhou, and Qihua Xiong

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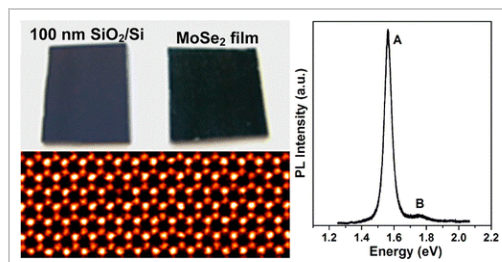


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Boron Nitride–Graphene Nanocapacitor and the Origins of Anomalous Size-Dependent Increase of Capacitance

Gang Shi, Yuranan Hanlunmyuang, Zheng Liu, Yongji Gong, Weilu Gao, Bo Li, Junichiro Kono, Jun Lou, Robert Vajtai, Pradeep Sharma, and Pulickel M. Ajayan

2014, 14 (4), pp 1739-1744

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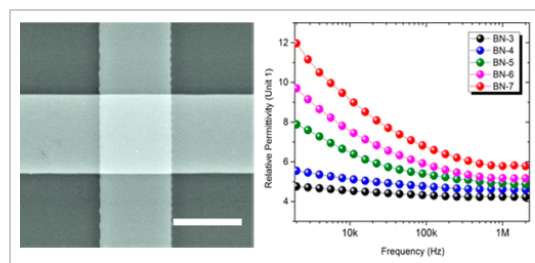


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Metal-Free Ketjenblack Incorporated Nitrogen-Doped Carbon Sheets Derived from Gelatin as Oxygen Reduction Catalysts

Gyutae Nam, Joohyuk Park, Sun Tai Kim, Dong-bin Shin, Noejung Park, Youngsik Kim, Jang-Soo Lee, and Jaephil Cho

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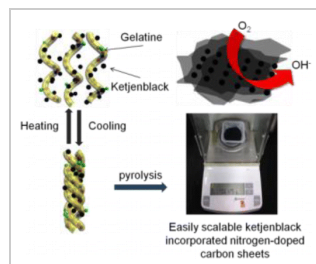


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