

Semiconductor Nanowire: What's Next?

Peidong Yang, Ruoxue Yan and Melissa Fardy

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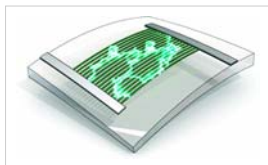
Piezoelectric Ribbons Printed onto Rubber for Flexible Energy Conversion

Yi Qi, Noah T. Jafferis, Kenneth Lyons, Jr., Christine M. Lee, Habib Ahmad and Michael C. McAlpine

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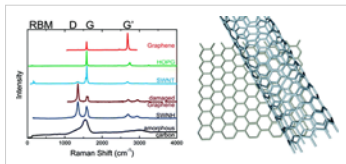
Perspectives on Carbon Nanotubes and Graphene Raman Spectroscopy

Mildred S. Dresselhaus, Ado Jorio, Mario Hofmann, Gene Dresselhaus and Riichiro Saito

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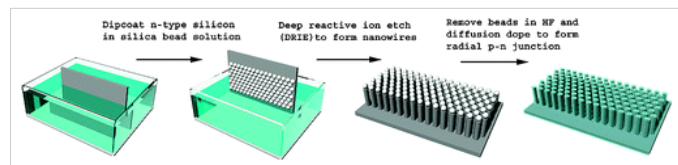
Light Trapping in Silicon Nanowire Solar Cells

Erik Garnett and Peidong Yang

2010, *10* (3), pp 1082-1087

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Stretchable, Porous, and Conductive Energy Textiles

Liangbing Hu, Mauro Pasta, Fabio La Mantia, LiFeng Cui, Sangmoo Jeong, Heather Dawn Deshazer, Jang Wook Choi, Seung Min Han and Yi Cui

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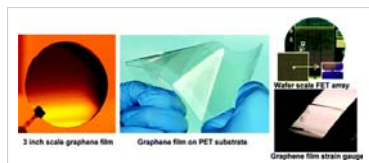


Wafer-Scale Synthesis and Transfer of Graphene Films

Youngbin Lee, Sukang Bae, Houk Jang, Sukjae Jang, Shou-En Zhu, Sung Hyun Sim, Young Il Song, Byung Hee Hong and Jong-Hyun Ahn
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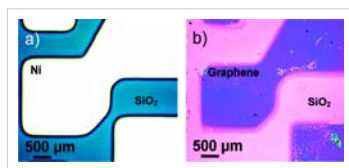


Large Area, Few-Layer Graphene Films on Arbitrary Substrates by Chemical Vapor Deposition

Alfonso Reina, Xiaoting Jia, John Ho, Daniel Nezhich, Hyungbin Son, Vladimir Bulovic, Mildred S. Dresselhaus and Jing Kong
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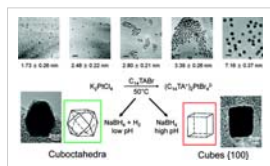
Nanoscale Advances in Catalysis and Energy Applications

Yimin Li and Gabor A. Somorjai

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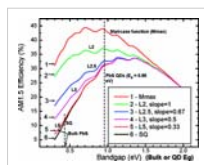
Nanoscience and Nanostructures for Photovoltaics and Solar Fuels

Arthur J. Nozik

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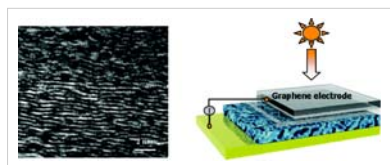
Transparent, Conductive Graphene Electrodes for Dye-Sensitized Solar Cells

Xuan Wang, Linjie Zhi, and Klaus Müllen

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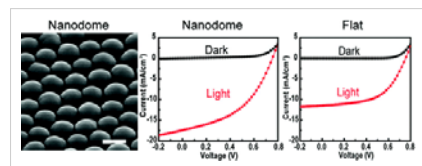
Nanodome Solar Cells with Efficient Light Management and Self-Cleaning

Jia Zhu, Ching-Mei Hsu, Zongfu Yu, Shanhuai Fan and Yi Cui

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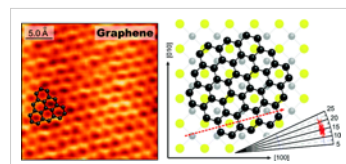
Graphene Synthesis on Cubic SiC/Si Wafers. Perspectives for Mass Production of Graphene-Based Electronic Devices

Victor Yu. Aristov, Grzegorz Urbanik, Kurt Kummer, Denis V. Vyalikh, Olga V. Molodtsova, Alexei B. Preobrajenski, Alexei A. Zakharov, Christian Hess, Torben Hanke, Bernd Buchner, Ivana Vobornik, Jun Fujii, Giancarlo Panaccione, Yuri A. Ossipyan and Martin Knupfer

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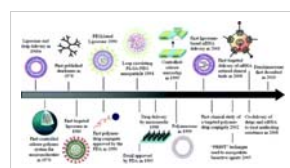
Nanotechnology in Drug Delivery and Tissue Engineering: From Discovery to Applications

Jinjun Shi, Alexander R. Votruba, Omid C. Farokhzad and Robert Langer

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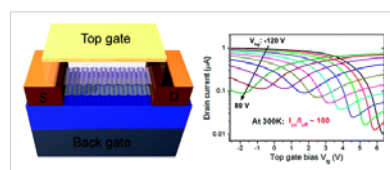
Graphene Field-Effect Transistors with High On/Off Current Ratio and Large Transport Band Gap at Room Temperature

Fengnian Xia, Damon B. Farmer, Yu-ming Lin and Phaedon Avouris

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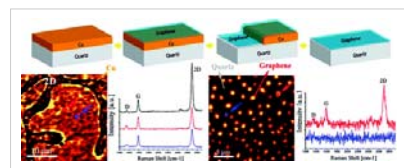
Direct Chemical Vapor Deposition of Graphene on Dielectric Surfaces

Ariel Ismach, Clara Druzgalski, Samuel Penwell, Adam Schwartzberg, Maxwell Zheng, Ali Javey, Jeffrey Bokor and Yuegang Zhang

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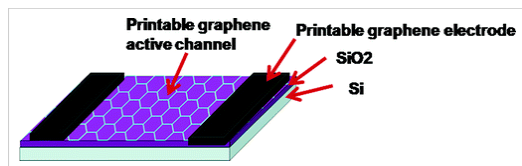
High Mobility, Printable, and Solution-Processed Graphene Electronics

Shuai Wang, Priscilla Kailian Ang, Ziqian Wang, Ai Ling Lena Tang, John T. L. Thong and Kian Ping Loh

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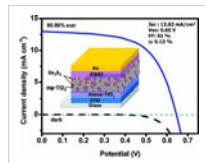
High-Performance Nanostructured Inorganic–Organic Heterojunction Solar Cells

Jeong Ah Chang, Jae Hui Rhee, Sang Hyuk Im, Yong Hui Lee, Hi-jung Kim, Sang Il Seok, Md. K. Nazeeruddin and Michael Gratzel

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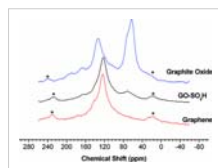
Synthesis of Water Soluble Graphene

Yongchao Si and Edward T. Samulski

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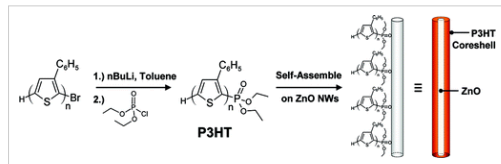
Oligo- and Polythiophene/ZnO Hybrid Nanowire Solar Cells

Alejandro L. Briseno, Thomas W. Holcombe, Akram I. Boukai, Erik C. Garnett, Steve W. Shelton, Jean J. M. Fréchet and Peidong Yang

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New Nanostructured Li₂S/Silicon Rechargeable Battery with High Specific Energy

Yuan Yang, Matthew T. McDowell, Ariel Jackson, Judy J. Cha, Seung Sae Hong and Yi Cui

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