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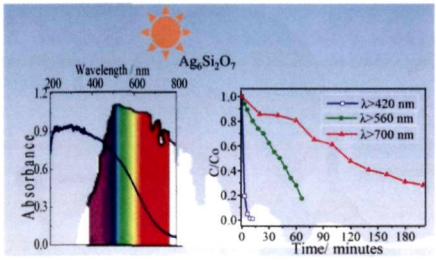
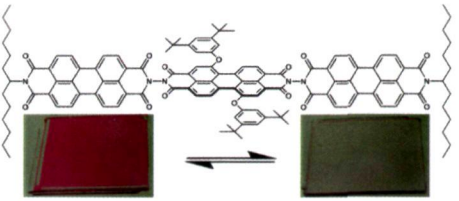
ON THE COVER: An alternative approach is presented for the synthesis of mesoporous carbon filaments containing sulfur. The figure shows different electron microscopy images of these materials for Li−S battery applications. Image courtesy of Christoph Hohmann, Nanosystems Initiative Munich (NIM). For more information, see "Bimodal Mesoporous Carbon Nanofibers with High Porosity: Freestanding and Embedded in Membranes for Lithium−Sulfur Batteries" by Guang He, Benjamin Mandlmeier, Jörg Schuster, Linda F. Nazar,* and Thomas Bein* (*Chem. Mater.* **2014**, *26*, 3879−3886).

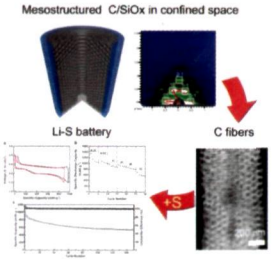
Editorial

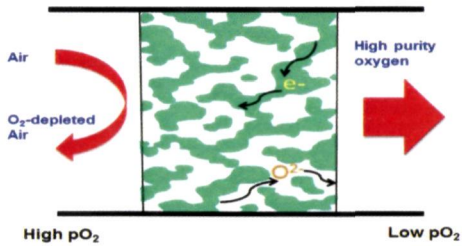
Communications





Articles

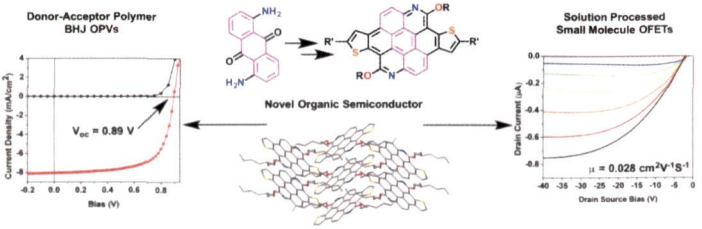




3920 S dx.doi.org/10.1021/cm5018272

Thiophene Fused Azacoronenes: Regioselective Synthesis, Self-Organization, Charge Transport and Its Incorporation in Conjugated Polymers

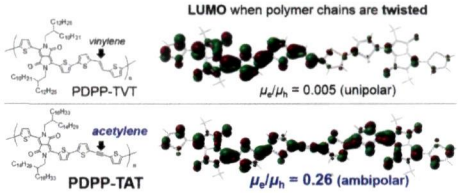
Bo He, Andrew B. Pun, Liana M. Klivansky, Alexandra M. McGough, Yifan Ye, Junfa Zhu, Jinghua Guo, Simon J. Teat, and Yi Liu*



3928 S dx.doi.org/10.1021/cm5014703

Conformation-Insensitive Ambipolar Charge Transport in a Diketopyrrolopyrrole-Based Co-polymer Containing Acetylene Linkages

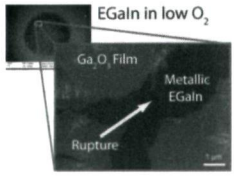
Hui-Jun Yun, Hyun Ho Choi, Soon-Ki Kwon,* Yun-Hi Kim,* and Kilwon Cho*



3938 S dx.doi.org/10.1021/cm5014784

Influence of Environment on the Measurement of Rates of Charge Transport across Ag^{TS}/SAM//Ga_2O_3/EGaIn Junctions

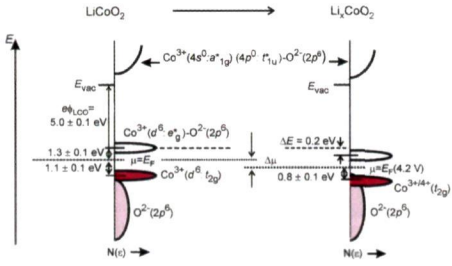
Jabulani R. Barber, Hyo Jae Yoon, Carleen M. Bowers, Martin M. Thuo, Benjamin Breiten, Diana M. Gooding, and George M. Whitesides*



3948 dx.doi.org/10.1021/cm501480b

Nonrigid Band Behavior of the Electronic Structure of $LiCoO_2$ Thin Film during Electrochemical Li Deintercalation

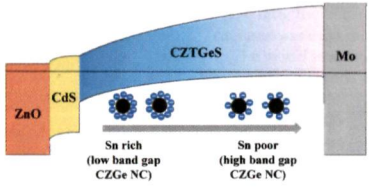
D. Ensling, G. Cherkashinin,* S. Schmid, S. Bhuvaneswari, A. Thissen, and W. Jaegermann



3957 dx.doi.org/10.1021/cm501568d

Bandgap-Graded $Cu_2Zn(Sn_{1-x}Ge_x)S_4$ Thin-Film Solar Cells Derived from Metal Chalcogenide Complex Ligand Capped Nanocrystals

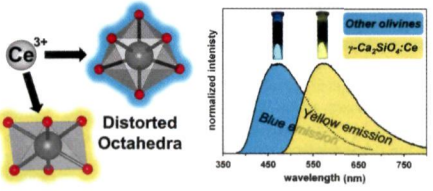
Inhyuk Kim, Kyujin Kim, Yunjung Oh, Kyoohee Woo, Guozhong Cao, Sunho Jeong,* and Jooho Moon*



3966 dx.doi.org/10.1021/cm501516m

Ce^{3+}-Activated γ-Ca_2SiO_4 and Other Olivine-Type $ABXO_4$ Phosphors for Solid-State Lighting

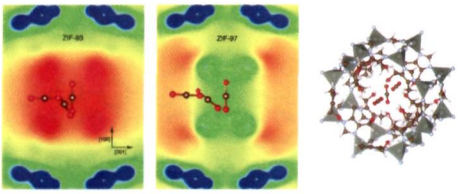
Ali Kalaji, Masayoshi Mikami, and Anthony K. Cheetham*



3976 dx.doi.org/10.1021/cm5015477

Gas Membrane Selectivity Enabled by Zeolitic Imidazolate Framework Electrostatics

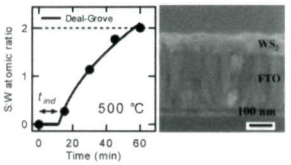
Keith G. Ray,* David L. Olmsted, Jessica M. R. Burton, Yao Houndonougbo, Brian B. Laird, and Mark Asta



3986 dx.doi.org/10.1021/cm501566h

Low-Temperature Synthesis of *n*-Type WS_2 Thin Films via H_2S Plasma Sulfurization of WO_3

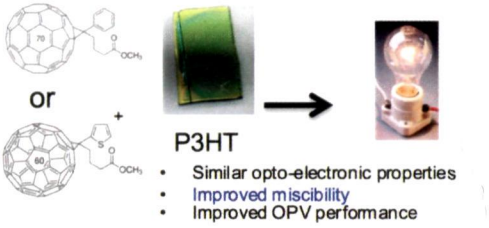
Rachel Morrish, Trevor Haak, and Colin A. Wolden*



3993 dx.doi.org/10.1021/cm5015898

The Impact of Fullerene Structure on Its Miscibility with P3HT and Its Correlation of Performance in Organic Photovoltaics

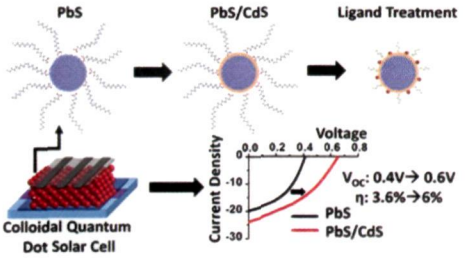
Huipeng Chen, Jeff Peet, Yu-Che Hsiao, Bin Hu, and Mark Dadmun*



4004 dx.doi.org/10.1021/cm501595u

Influence of Shell Thickness and Surface Passivation on PbS/CdS Core/Shell Colloidal Quantum Dot Solar Cells

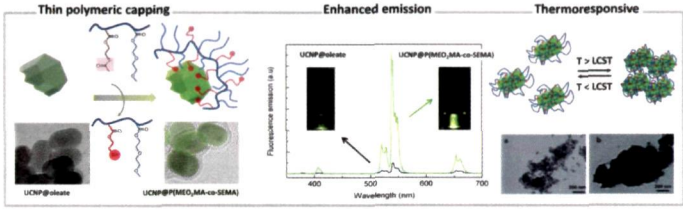
Darren C. J. Neo, Cheng Cheng, Samuel D. Stranks, Simon M. Fairclough, Judy S. Kim, Angus I. Kirkland, Jason M. Smith, Henry J. Snaith, Hazel E. Assender, and Andrew A. R. Watt*



4014 dx.doi.org/10.1021/cm501663n

Thin Amphiphilic Polymer-Capped Upconversion Nanoparticles: Enhanced Emission and Thermoresponsive Properties

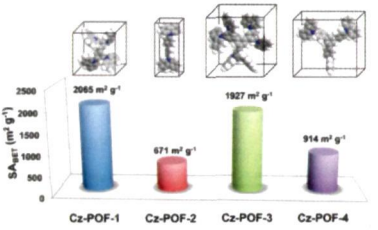
Marta Liras,* María González-Béjar, Elena Peinado, Laura Francés-Soriano, Julia Pérez-Prieto, Isabel Quijada-Garrido, and Olga García

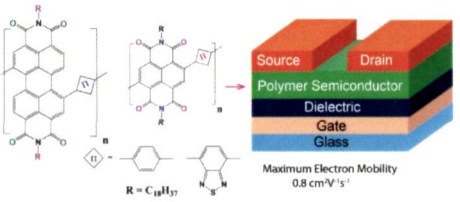


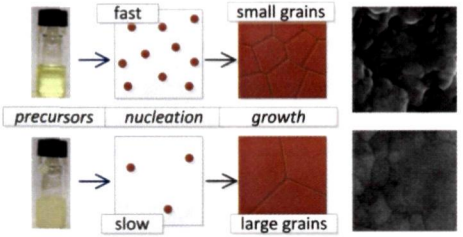
4023 dx.doi.org/10.1021/cm501717c

Porosity Enhancement of Carbazolic Porous Organic Frameworks Using Dendritic Building Blocks for Gas Storage and Separation

Xiang Zhang, Jingzhi Lu, and Jian Zhang*







Additions and Corrections

Ⓢ Supporting Information available via online article