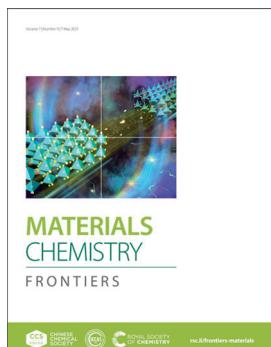


IN THIS ISSUE

ISSN 2052-1537 CODEN MCFAC5 7(9) 1697–1888 (2023)



Cover

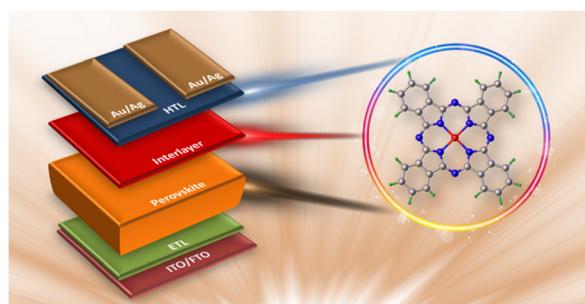
See Hongzheng Chen,
Lijian Zuo *et al.*,
pp. 1803–1812.
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2023, 7, 1803.

REVIEWS

1704

Phthalocyanine in perovskite solar cells: a review

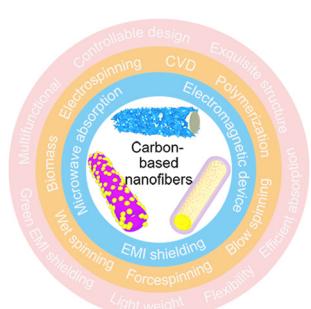
Ehsan Rezaee, Danish Khan, Siyuan Cai, Lei Dong,
Hui Xiao, S. Ravi P. Silva, Xiaoyuan Liu* and
Zong-Xiang Xu*



1737

Tailoring carbon-based nanofiber microstructures for electromagnetic absorption, shielding, and devices

Qi Zheng, Wen-Qiang Cao, Huazhang Zhai* and
Mao-Sheng Cao*

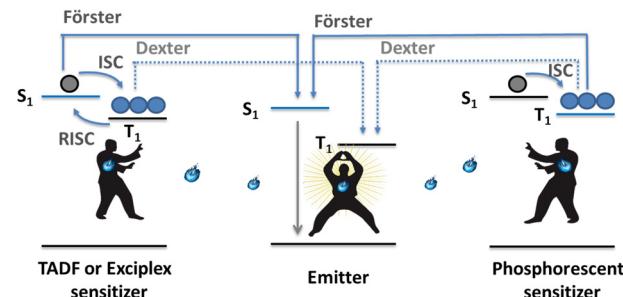


REVIEWS

1760

Sensitized organic light-emitting diodes: towards high efficiency and long lifetimes

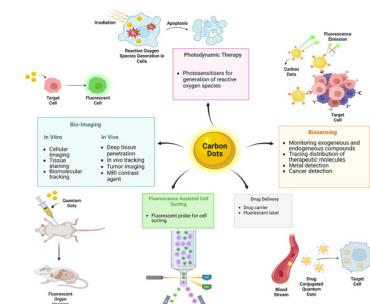
Peng Zuo, Yang-Kun Qu, Qi Zheng, Liang-Sheng Liao* and Zuo-Quan Jiang*



1781

Carbon-based designer and programmable fluorescent quantum dots for targeted biological and biomedical applications

Ketki Barve, Udit Singh, Pankaj Yadav and Dhiraj Bhatia*

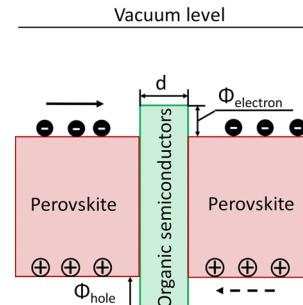


RESEARCH ARTICLES

1803

Bridging the inter-grain charge transport via organic semiconductors for high-performance thickness-insensitive perovskite solar cells

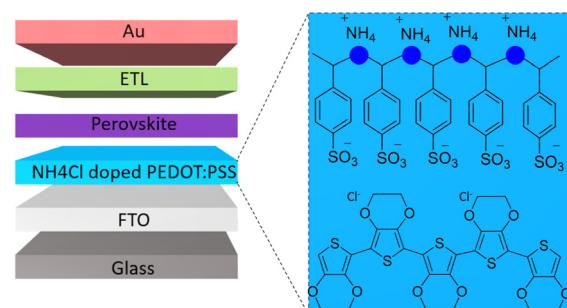
Yuying Cao, Fei Wu, Chang Xu, Haotian Wu, Shuixing Li, Xinru Wang, Tianyi Chen, Boyu Peng, Hanying Li, Hongzheng Chen* and Lijian Zuo*



1813

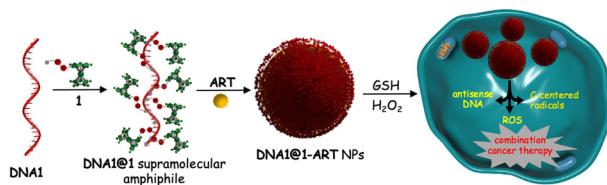
Harnessing solar energy with NH4Cl-doped hole transport layers in inverted perovskite solar cells

Sikandar Iqbal, Aadil Nabi Chishti, Muhammad Bilal Hussain, Fakhr uz Zaman, Abdul Qayum, Rashid Mehmood and Shahid Zaman*



RESEARCH ARTICLES

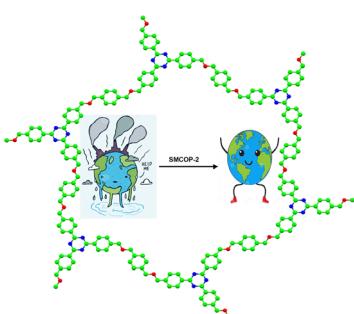
1821



Tumor microenvironment responsive nanocarriers for efficient antisense DNA delivery and enhanced chemodynamic therapy

Gowtham Raj, Vasudev D. S., Nikhil Dev Narendradev, Viswa Kalyan Kumar Dommeli, Saurabh Shriwas, P. M. Ajay Sekhar, Leah Susan Jacob, S. Murty Srinivasula and Reji Varghese*

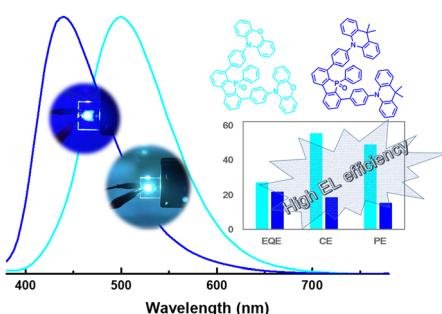
1831



Exploring multifunctional applications of a luminescent covalent triazine polymer in acid vapour sensing, CO_2 capture, dye removal, and turn-off fluorescence sensing of dichromate ions

Argha Chakraborty, Sayantan Sarkar, Probal Nag, Rishi Ranjan, Sivaranjana Reddy Vennapusa and Suman Mukhopadhyay*

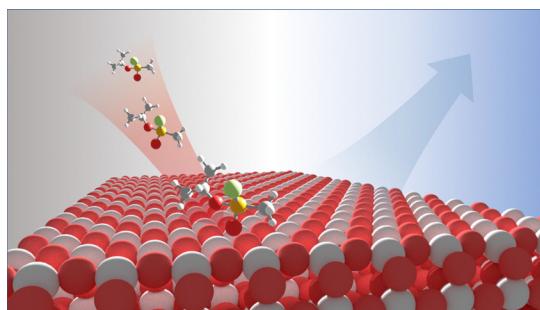
1841



Blue emitters with various electron-donors attached to the 9-phenyl-9-phosphafluorene oxide (PhFIOP) moiety and their thermally activated delayed fluorescence (TADF) behavior

Xi Chen, Siqi Liu, Yuling Sun, Daokun Zhong, Zhao Feng, Xiaolong Yang, Bochao Su, Yuanhui Sun, Guijiang Zhou,* Bo Jiao* and Zhaoxin Wu

1855



High reactivity of mesoporous CeO_2 to dissociate chemical warfare agent sarin

Tianyu Li, Matthew Leonard, Roman Tyshevsky, Monica McEntee, Christopher Karwacki, Erin M. Durke, Maija M. Kuklja* and Efrain E. Rodriguez*

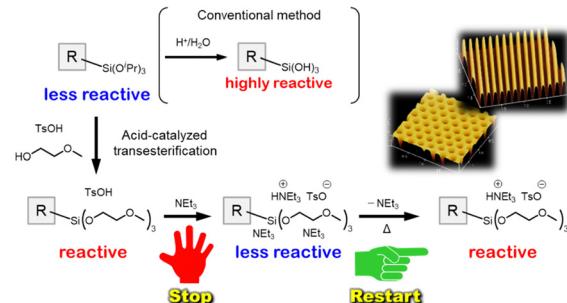


RESEARCH ARTICLES

1867

Stop and restart of polycondensation reactions of highly reactive sol–gel precursors for nanoscale surface molding

Norihiro Mizoshita* and Yuri Yamada



1875

Design of fluorescent polymeric thermometers based on anthrapyrazolone functionalized oligo(ethylene glycol) methacrylates

S. Saravanan, Anashwara Babu, Ronald Merckx, Zifu Zhong, Mageshwari Anandan, Venkatramaiyah Nutalapati, Bruno G. De Geest, Richard Hoogenboom,* Valentin Victor Jercă* and Samarendra Maji*

