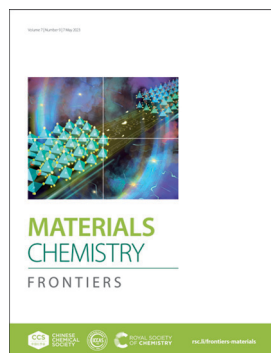


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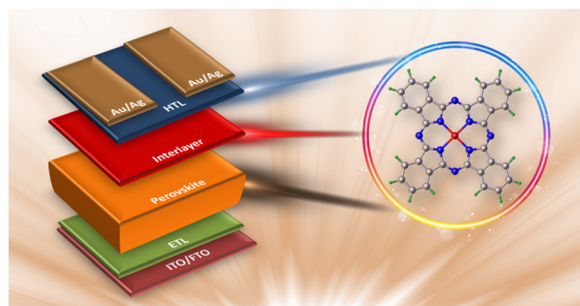
See Hongzheng Chen, Lijian Zuo *et al.*, pp. 1803–1812. Image reproduced by permission of Lijian Zuo from *Mater. Chem. Front.*, 2023, 7, 1803.

REVIEWS

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Phthalocyanine in perovskite solar cells: a review

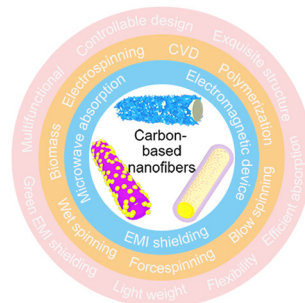
Ehsan Rezaee, Danish Khan, Siyuan Cai, Lei Dong, Hui Xiao, S. Ravi P. Silva, Xiaoyuan Liu* and Zong-Xiang Xu*



1737

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

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



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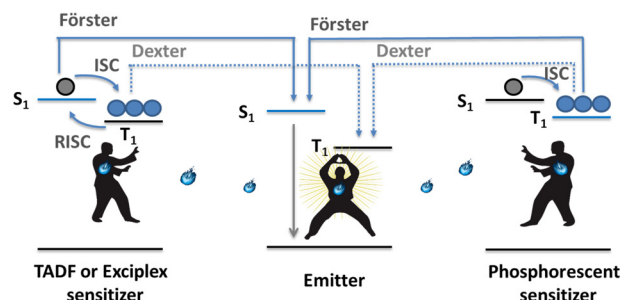


REVIEWS

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

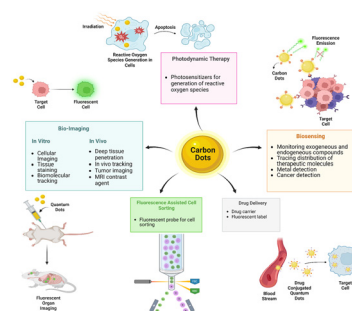
Peng Zuo, Yang-Kun Qu, Qi Zheng, Liang-Sheng Liao* and Zuo-Quan Jiang*



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

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

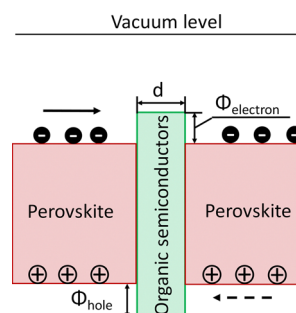


RESEARCH ARTICLES

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

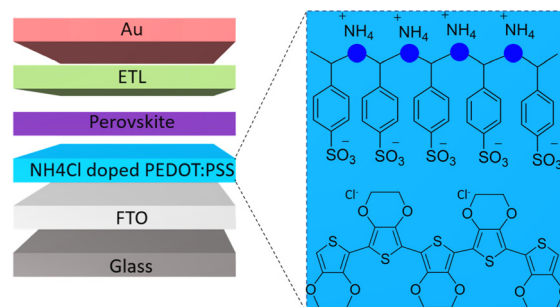
Yuying Cao, Fei Wu, Chang Xu, Haotian Wu, Shuixing Li, Xinru Wang, Tianyi Chen, Boyu Peng, Hanying Li, Hongzheng Chen* and Lijian Zuo*



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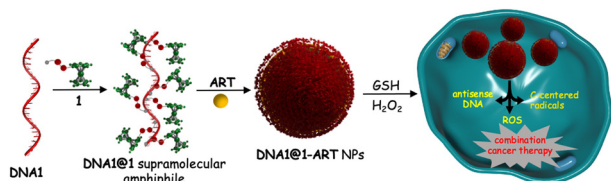
Harnessing solar energy with NH₄Cl-doped hole transport layers in inverted perovskite solar cells

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



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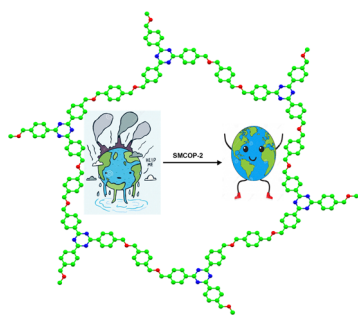
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Gowtham Raj, Vasudev D. S., Nikhil Dev Narendradev, Viswa Kalyan Kumar Dommeti, Saurabh Shriwas, P. M. Ajay Sekhar, Leah Susan Jacob, S. Murty Srinivasula and Reji Varghese*

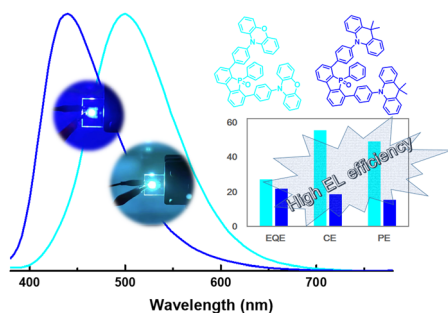
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Exploring multifunctional applications of a luminescent covalent triazine polymer in acid vapour sensing, CO₂ capture, dye removal, and turn-off fluorescence sensing of dichromate ions

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

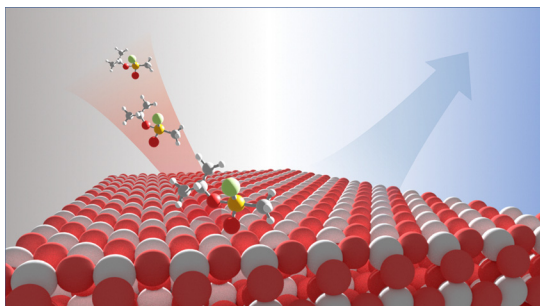
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Blue emitters with various electron-donors attached to the 9-phenyl-9-phosphafluorene oxide (PhFIOP) moiety and their thermally activated delayed fluorescence (TADF) behavior

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

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High reactivity of mesoporous CeO₂ to dissociate chemical warfare agent sarin

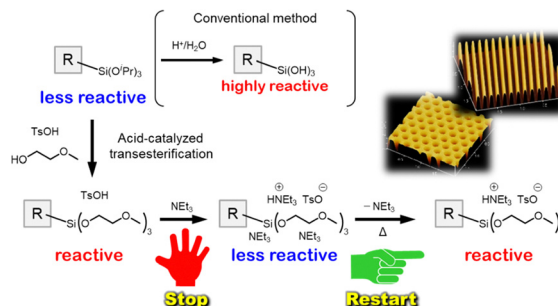
Tianyu Li, Matthew Leonard, Roman Tsyshevsky, Monica McEntee, Christopher Karwacki, Erin M. Durke, Maija M. Kuklja* and Efrain E. Rodriguez*



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Norihiro Mizoshita* and Yuri Yamada



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

