

### IN THIS ISSUE

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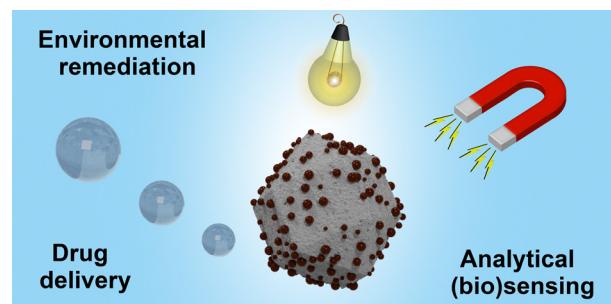
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pp. 10488–10491.  
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*Chem. Commun.*,  
2023, **59**, 10488.

### HIGHLIGHT

10464

#### The rise of metal–organic framework based micromotors

Javier Bujalance-Fernández, Beatriz Jurado-Sánchez\*  
and Alberto Escarpa\*

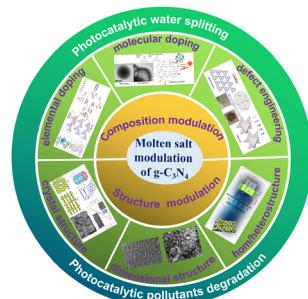


### FEATURE ARTICLE

10476

#### Effect of molten-salt modulation on the composition and structure of $\text{g-C}_3\text{N}_4$ -based photocatalysts

Fang He,\* Yan Hu, Hong Zhong, Zhenxing Wang,  
Shaoqin Peng and Yuexiang Li\*



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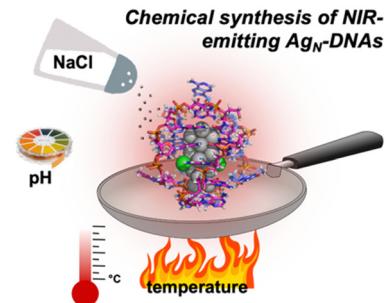


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**Heat, pH, and salt: synthesis strategies to favor formation of near-infrared emissive DNA-stabilized silver nanoclusters**

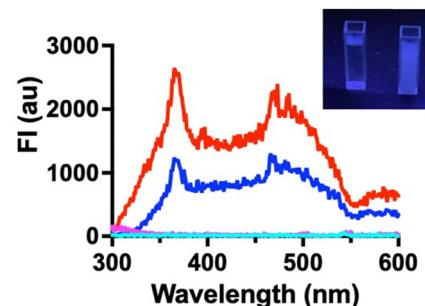
Rweetuparna Guha, Malak Rafik, Anna González-Rosell and Stacy M. Copp\*



10492

**Unusual photophysics of geranic acid deep eutectic solvents**

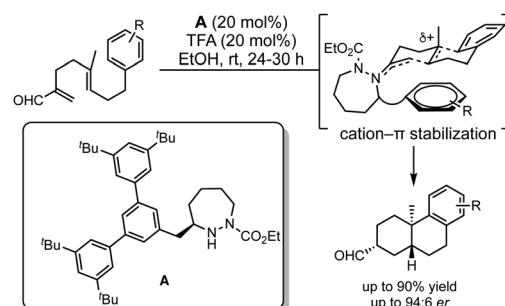
Samuel Abidemi Oluwole, Nathalia V. Veríssimo, Amina A. Denis, Nicole Tatiana Garcia, Samuel Fura, Keerthana Jayaraman, Jose David Valles, Daniela Hernandez Del Rosario, Parth Nilesh Patel, Alejandro Duran, Queen Assala Hakim, Aline Andrea Quintana and Christian Agatemor\*



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**Mimicking enzymatic cation–π interactions in hydrazide catalyst design: access to *trans*-decalin frameworks**

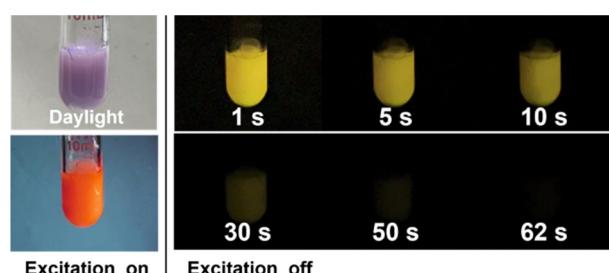
Josephine M. Warnica and James L. Gleason\*



10500

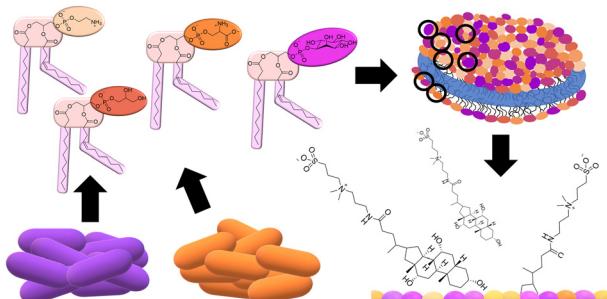
**Visible-light-excitable aqueous afterglow exhibiting long emission wavelength and ultralong afterglow lifetime of 7.64 s**

Xiangxiang Zhai, Ying Zeng, Xinjian Deng, Qianqian Lou, Aizhi Cao, Limin Ji, Qianqian Yan,\* Biaobing Wang\* and Kaka Zhang\*



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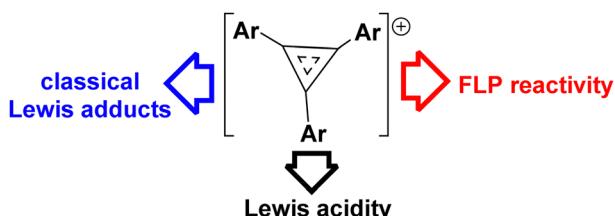
10504



**Phospholipid headgroup composition modulates the molecular interactions and antimicrobial effects of sulfobetaine zwitterionic detergents against the "ESKAPE" pathogen *Pseudomonas aeruginosa***

Kira L. F. Hilton, Howard Tolley, Jose L. Ortega-Roldan, Gary S. Thompson, J. Mark Sutton, Charlotte K. Hind\* and Jennifer R. Hiscock\*

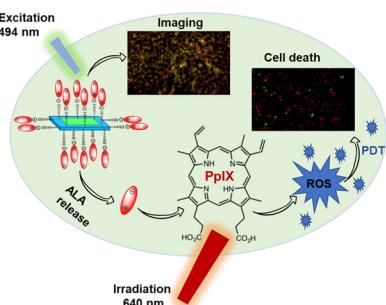
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**Electron-deficient cyclopropenium cations as Lewis acids in FLP chemistry**

Dipendu Mandal, Zheng-Wang Qu,\* Stefan Grimme and Douglas W. Stephan\*

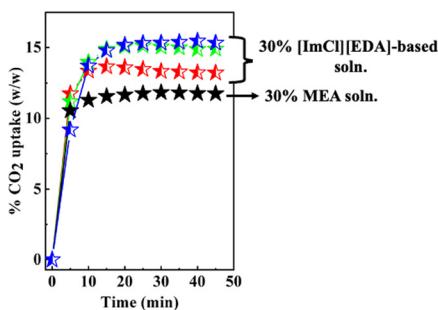
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**Aqueous colloidal nanoplatelets for imaging and improved ALA-based photodynamic therapy of prostate cancer cells**

Kubra Onbasli, Gozde Demirci, Furkan Isik, Emek Goksu Durmusoglu, Hilmi Volkan Demir\* and Havva Yagci Acar\*

10516



**Superior gravimetric CO<sub>2</sub> uptake of aqueous deep-eutectic solvent solutions**

Shashi Kant Shukla,\* Yong-Lei Wang, Aatto Laaksonen and Xiaoyan Ji\*

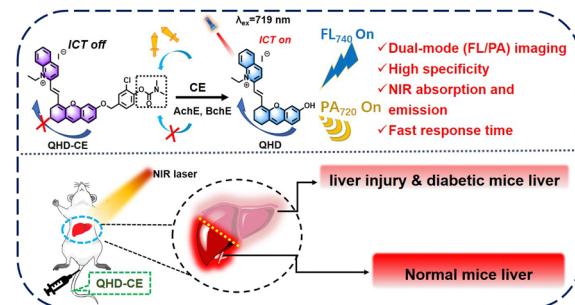


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10520

**Design of a near-infrared fluoro-photoacoustic probe for rapid imaging of carboxylesterase in liver injury**

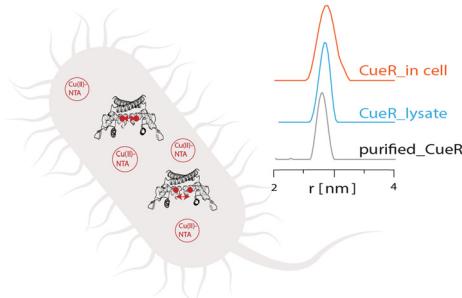
Haoming Chen, Ke Li,\* Lin Yuan and Xiao-Bing Zhang



10524

**An *in-cell* spin-labelling methodology provides structural information on cytoplasmic proteins in bacteria**

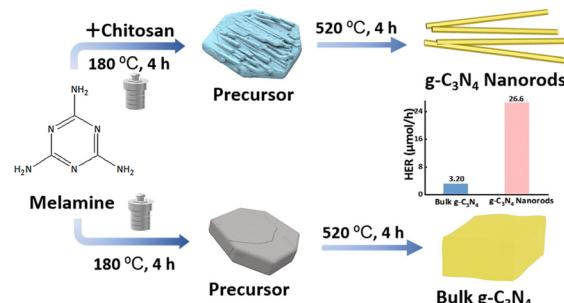
Yulia Shenberger, Lada Gevorkyan-Airapetov, Melanie Hirsch, Lukas Hofmann and Sharon Ruthstein\*



10528

**Chitosan-assisted synthesis of 1D g-C<sub>3</sub>N<sub>4</sub> nanorods for enhanced photocatalysis**

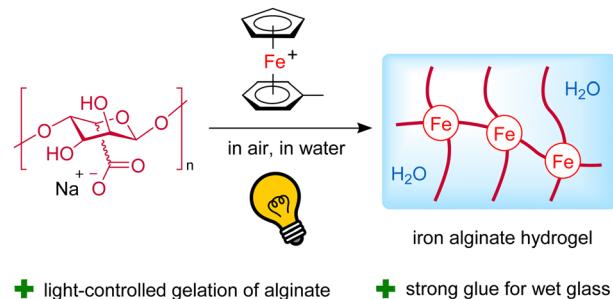
Yaqian Wang, Xiaonan Yang, Tong Tian, Yue Liu, Yan Chen, Gengsheng Xu, Lina Gu, Huiquan Li\* and Yupeng Yuan\*



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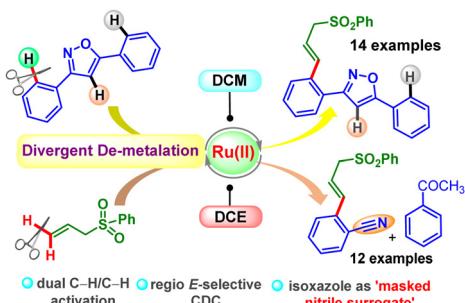
**Photochemically induced formation of adhesive hydrogels from sodium alginate, acrylamide, and iron sandwich complexes**

Alexey S. Sokolov, Victoria A. Korabelnikova, Valentine P. Ananikov, Dmitrii A. Michurov, Vladimir I. Lozinsky and Dmitry S. Perekalin\*



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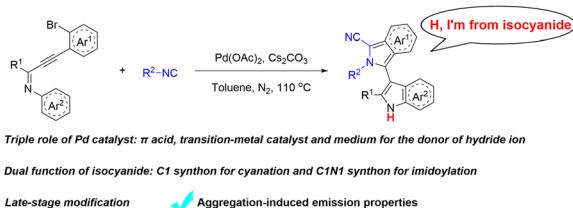
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**Isoxazole as a nitrile synthon: *en route* to the *ortho*-alkenylated isoxazole and benzonitrile with allyl sulfone catalyzed by Ru(II)**

Pritishree Panigrahi, Subhendu Ghosh, Tamanna Khandelia, Raju Mandal and Bhisma K. Patel\*

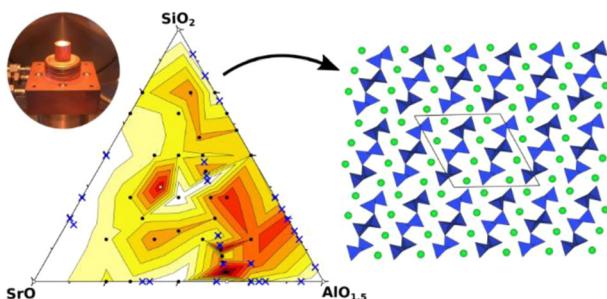
10540



**Accessing indole–isoindole derivatives *via* palladium-catalyzed [3+2] cyclization of isocyanides with alkynyl imines**

Dianpeng Chen,\* Jianming Li, Gingle Liu, Xiuhua Zhang, Xin Wang, Yongwei Liu, Xuan Liu, Xinghai Liu, Yongqin Li and Yingying Shan\*

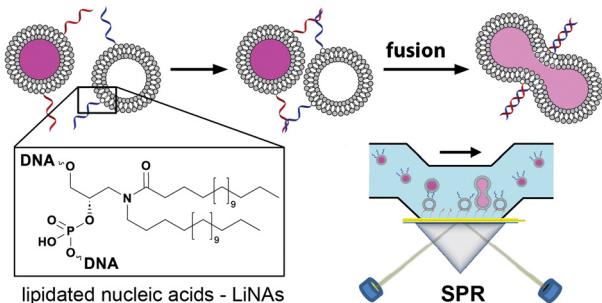
10544



**A computationally-guided non-equilibrium synthesis approach to materials discovery in the SrO–Al<sub>2</sub>O<sub>3</sub>–SiO<sub>2</sub> phase field**

Euan M. Duncan, Amandine Ridouard, Franck Fayon, Emmanuel Veron, Cécile Genevois, Mathieu Allix, Christopher M. Collins\* and Michael J. Pitcher\*

10548



**Label-free observation of DNA-encoded liposome fusion by surface plasmon resonance**

Philipp M. G. Löffler, Nikolaj A. Risgaard, Bettina L. Svendsen, Katrine A. Jepsen, Alexander Rabe and Stefan Vogel\*

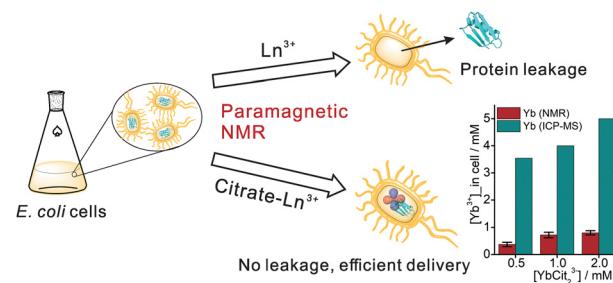


## COMMUNICATIONS

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**Effective assessment of lanthanide ion delivery into live cells by paramagnetic NMR spectroscopy**

Jia-Liang Chen,\* Yin Yang, Tiesheng Shi and Xun-Cheng Su\*



10556

**Ferromagnetism induced by in-plane strain in a bulk VS<sub>2</sub>-based superlattice: (LiOH)<sub>0.1</sub>VS<sub>2</sub>**

Ruijin Sun,\* Jun Deng, Yuxin Ma, Munan Hao, Xu Chen, Dezhong Meng, Changchun Zhao, Shixuan Du, Shifeng Jin\* and Xiaolong Chen\*

