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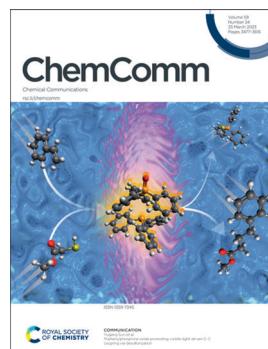
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ISSN 1359-7345 CODEN CHCOFS 59(24) 3477–3616 (2023)



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See Samuel A. Johnson et al., pp. 3542–3545.  
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#### Inside cover

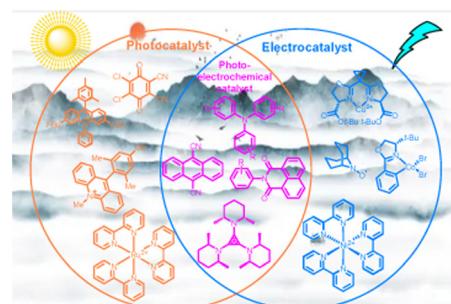
See Yugang Sun et al., pp. 3546–3549.  
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#### Contemporary photoelectrochemical strategies and reactions in organic synthesis

Ling Qian and Min Shi\*

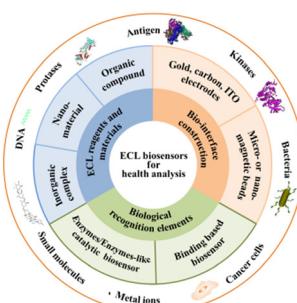


### FEATURE ARTICLES

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#### Recent advances and challenges in developing electrochemiluminescence biosensors for health analysis

Yuxi Wei, Honglan Qi and Chengxiao Zhang\*



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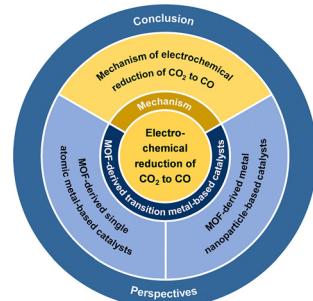


## FEATURE ARTICLES

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**MOF-derived transition metal-based catalysts for the electrochemical reduction of  $\text{CO}_2$  to  $\text{CO}$ : a mini review**

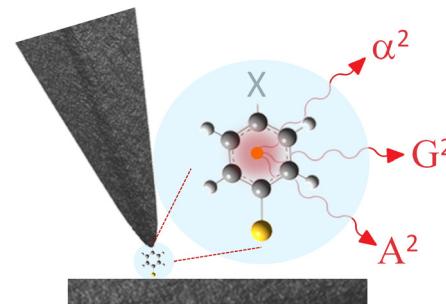
Jiaxin Li, Baogang Zhang, Baoxia Dong\* and Ligang Feng



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**High spatial resolution ambient tip-enhanced (multipolar) Raman scattering**

Patrick Z. El-Khoury

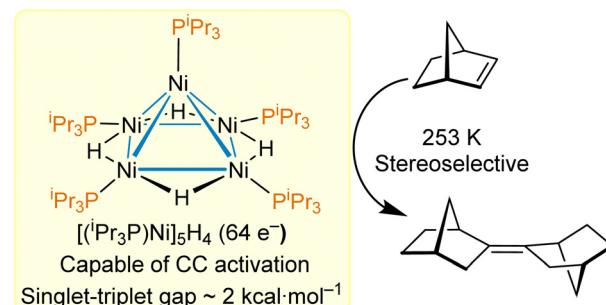


## COMMUNICATIONS

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**Breaking bonds and breaking rules: inert-bond activation by  $[(\text{iPr}_3\text{P})\text{Ni}]_5\text{H}_4$  and catalytic stereospecific norbornene dimerization**

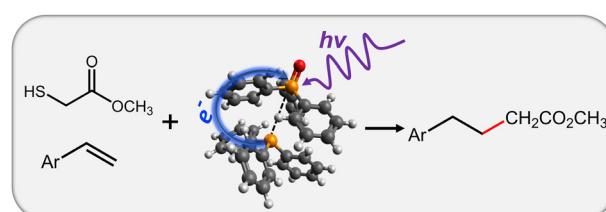
Junyang Liu, Manar M. Shoshani, Kethya Sum and Samuel A. Johnson\*



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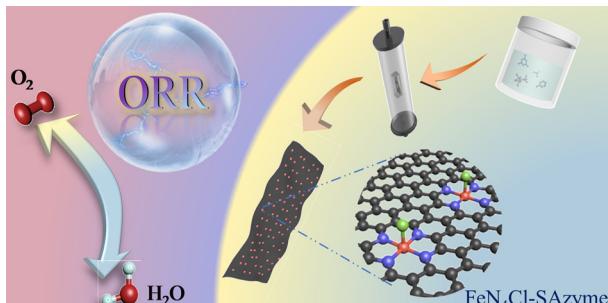
**Triphenylphosphine oxide promoting visible-light-driven C–C coupling via desulfurization**

Shea Stewart, Robert Maloney and Yugang Sun\*



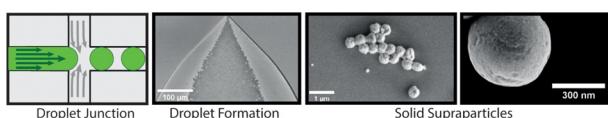
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**Axial optimization of biomimetic nanoenzyme catalysts applied to oxygen reduction reactions**

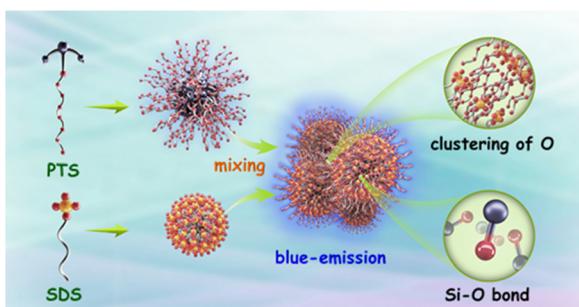
Jingjing Liu, Jingjing Jia, Huiying Wen, Siqi Li, Yingjie Wu, Qi Wang, Ziwang Kan, Yan Li, Xia Wu, Jingxiang Zhao,\* Song Liu\* and Bin Li\*

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**Microfluidic synthesis of monodisperse and size-tunable  $\text{CsPbBr}_3$  supraparticles**

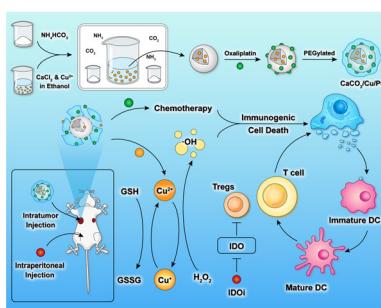
Julia Nette, Federico Montanarella, Chenglian Zhu, Taras V. Sekh, Simon C. Boehme, Maryna I. Bodnarchuk, Gabriele Rainò, Philip D. Howes, Maksym V. Kovalenko and Andrew J. deMello\*

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**Clustering-enhanced, nonconventional photoluminescence from a silicone surfactant**

Aoxue Xu, Hailong Liu, Gang Yi, Ning Feng and Hongguang Li\*

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**A  $\text{CaCO}_3$ -based synergistic immunotherapy strategy for treating primary and distal tumors**

Kun Tang, Xia Zhang, Jiaqi Yin, Wei Pan, Yanhua Li,\* Na Li\* and Bo Tang\*

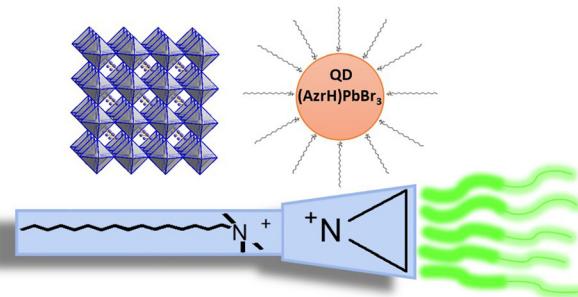


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**Quantum dots assembled from an aziridinium based hybrid perovskite displaying tunable luminescence**

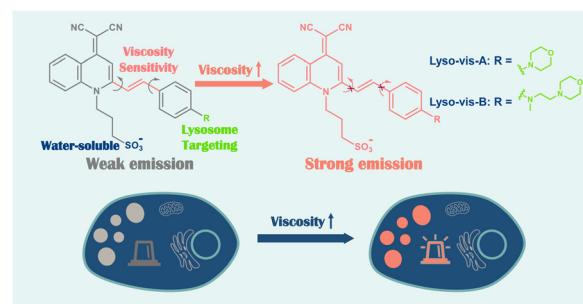
Oleksandr A. Semenikhin, Olesia I. Kucheriv, Liviu Sacarescu, Sergiu Shova and Il'ya A. Gural'skiy\*



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**Water-soluble fluorescent probes for differentiating cancer cells and normal cells by tracking lysosomal viscosity**

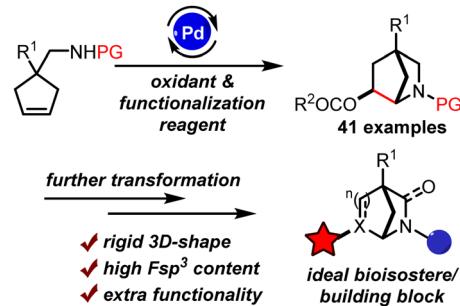
Minghui Liu, Jintao Weng, Shumei Huang, Wenjin Yin, Huatang Zhang,\* Yin Jiang,\* Liu Yang\* and Hongyan Sun\*



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**Construction of oxygenated 2-azabicyclo[2.2.1]heptanes via palladium-catalyzed 1,2-aminoacyloxylation of cyclopentenes**

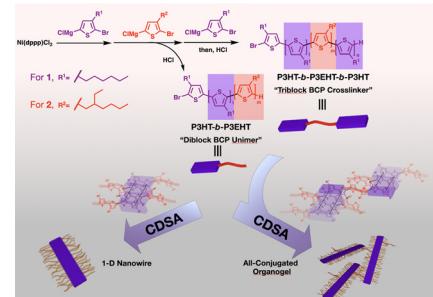
Haipin Zhou, Rui Pan, Menghua Xu, Jiao Ma, Aijun Lin\* and Hequan Yao\*



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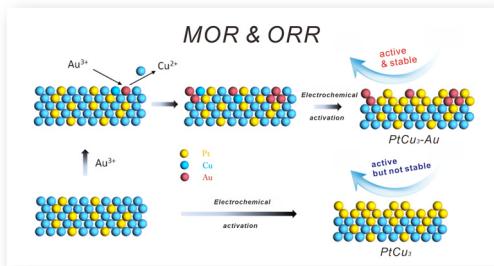
**Semi-conductive micellar networks of all-conjugated diblock and triblock copolymer blends**

Junyoung Kim, Wooyeol Chung, Dogyun Kim, Junwoo Kang, Carlos Fitzgerald Grandes Reyes, Jisu Jeong and Kyoung Taek Kim\*



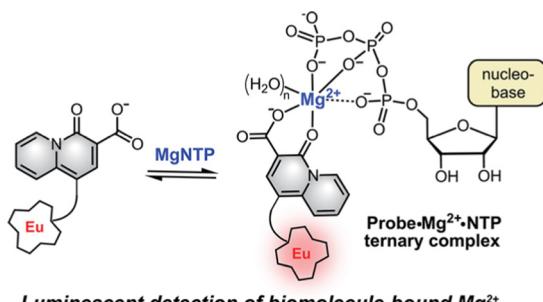
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**Au-modified PtCu nanodendrites as a highly stable and active electrocatalyst**

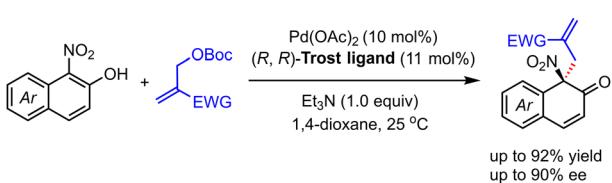
Yuelin Gu, Weiyi Guo, Jingqi Bao, Yunxia Li and Linfang Lu\*

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**Lanthanide-based luminescent probes for biological magnesium: accessing polyphosphate-bound  $Mg^{2+}$** 

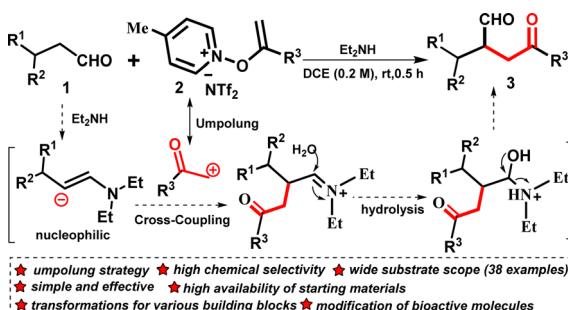
Brismar Pinto-Pacheco, Qitian Lin, Claudia W. Yan, Symara de Melo Silva and Daniela Buccella\*

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**Pd-Catalyzed intermolecular asymmetric allylic dearomatization of 1-nitro-2-naphthols with MBH adducts**

Qing-Xia Zhang, Jia-Hao Xie, Qing Gu and Shu-Li You\*

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**An umpolung strategy for chemically selective intermolecular cross-enolate-type coupling of *N*-alkenoxypyridinium salts with aldehydes**

Guichao Dong, Mengfei Jiang, Nan Wu,\* Shengxiang Zhang, Hui long Zhu and Zhou Xu\*

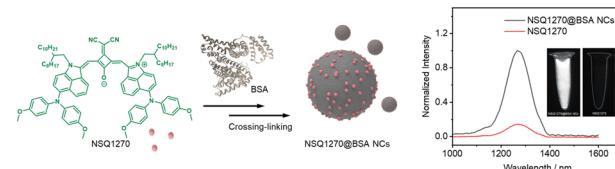


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**Maximal emission beyond 1200 nm dicyanovinyl-functionalized squaraine for *in vivo* vascular imaging**

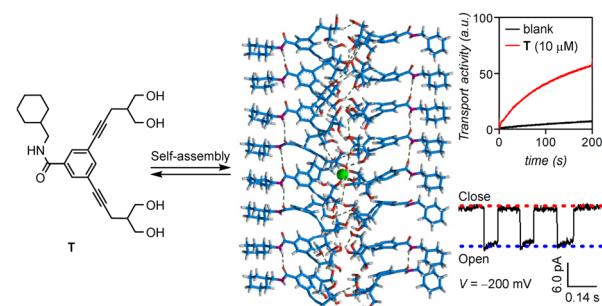
Yigang Wang, Mingda Wang, Guomin Xia,\* Yang Yang, Leilei Si, Hua Wang and Hongming Wang\*



3602

**Self-assembled anion channel formation by bis(1,3-propanediol)-linked *meta*-dipropynylbenzene-based small molecules**

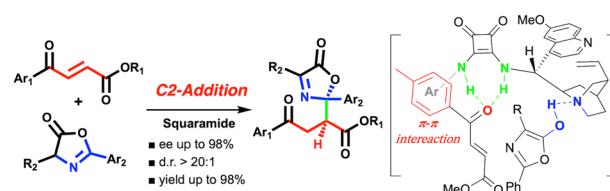
Rashmi Sharma, Amal Vijay, Sandip Chattopadhyay, Arnab Mukherjee\* and Pinaki Talukdar\*



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**Highly diastereo- and enantioselective C2 addition of 5*H*-oxazol-4-ones to  $\gamma$ -keto- $\alpha,\beta$ -unsaturated esters**

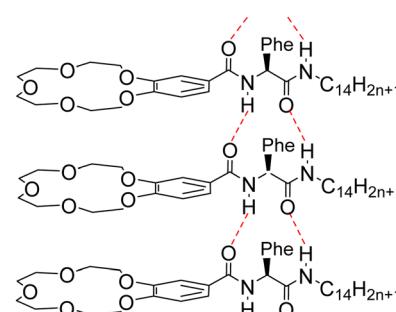
Li Lin,\* Mei Wang, Jiawei Zhou, Fei Li and Huiyun Liu



3610

**A K<sup>+</sup>-selective channel with a record-high K<sup>+</sup>/Na<sup>+</sup> selectivity of 20.1**

Lei Jin, Chang Sun, Zhongyan Li, Jie Shen\* and Huaqiang Zeng\*



## CORRECTION

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**Correction: Masking thiol reactivity with thioamide, thiourea, and thiocarbamate-based MBPs**

Hyeonglim Seo, Alysia J. Kohlbrand, Ryjul W. Stokes, Jeewon Chung and Seth M. Cohen\*

