

Chem Soc Rev

Chemical Society Reviews

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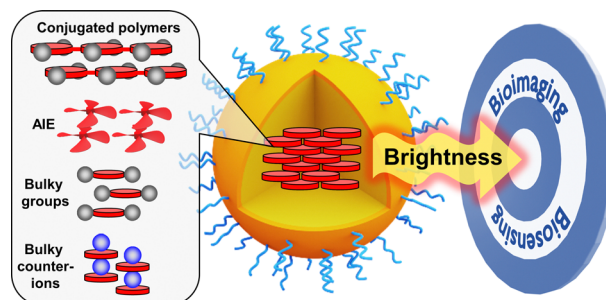
See Chao Zhong, Cong Liu *et al.*, pp. 4603–4631. Image reproduced by permission of Lei Chen from *Chem. Soc. Rev.*, 2023, 52, 4603. The cover image was drawn by Lei Chen.

TUTORIAL REVIEWS

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Brightness of fluorescent organic nanomaterials

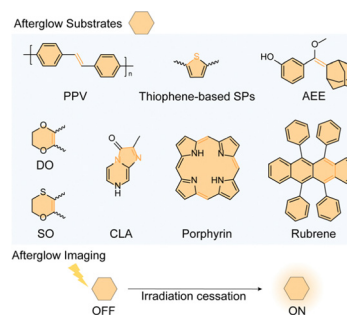
Anila Hoskere Ashoka, Ilya O. Aparin, Andreas Reisch and Andrey S. Klymchenko*



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Molecular substrates for the construction of afterglow imaging probes in disease diagnosis and treatment

Xinzhu Wang and Kanyi Pu*



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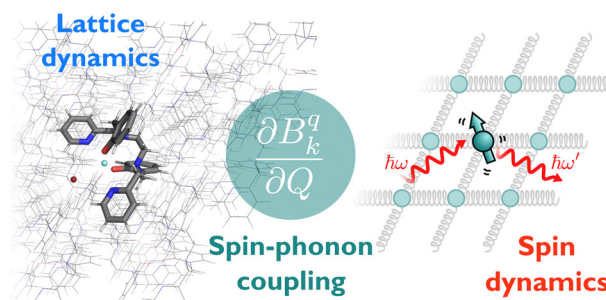


TUTORIAL REVIEWS

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Spin–phonon coupling and magnetic relaxation in single-molecule magnets

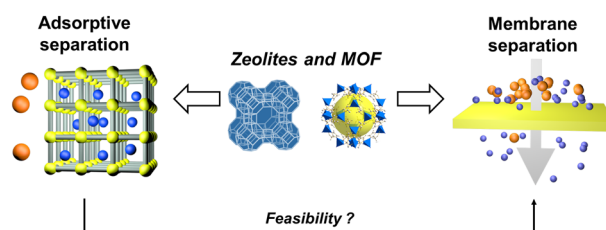
Jon G. C. Kragoskow, Andrea Mattioni,* Jakob K. Staab, Daniel Reta, Jonathan M. Skelton* and Nicholas F. Chilton*



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Zeolites and metal–organic frameworks for gas separation: the possibility of translating adsorbents into membranes

Guining Chen, Guozhen Liu, Yang Pan, Gongping Liu,* Xuehong Gu, Wanqin Jin and Nanping Xu

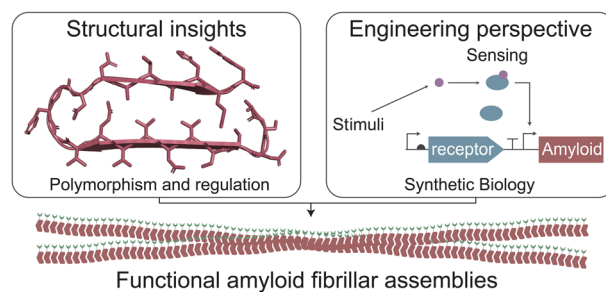


REVIEW ARTICLES

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Rational design of functional amyloid fibrillar assemblies

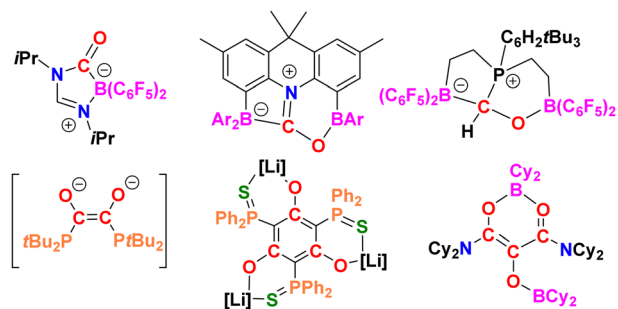
Xinyu Wang, Shengnan Zhang, Jicong Zhang, Yaomin Wang, Xiaoyu Jiang, Youqi Tao, Dan Li, Chao Zhong* and Cong Liu*



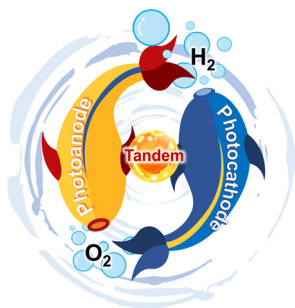
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Frustrated Lewis pair chemistry of CO

Douglas W. Stephan



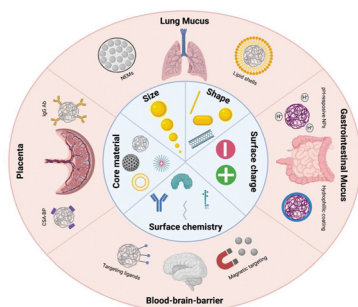
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Tandem cells for unbiased photoelectrochemical water splitting

Bin Liu, Shujie Wang, Gong Zhang, Zichen Gong, Bo Wu, Tuo Wang* and Jinlong Gong*

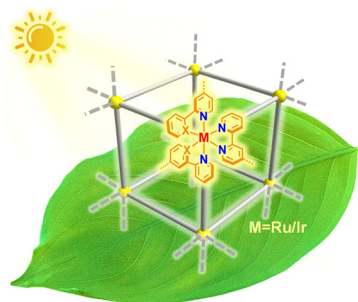
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Modulation of engineered nanomaterial interactions with organ barriers for enhanced drug transport

Vincent Lenders, Xanthippi Koutsoumpou, Philana Phan, Stefaan J. Soenen, Karel Allegaert, Steven de Vleeschouwer, Jaan Toelen, Zongmin Zhao and Bella B. Manshian*

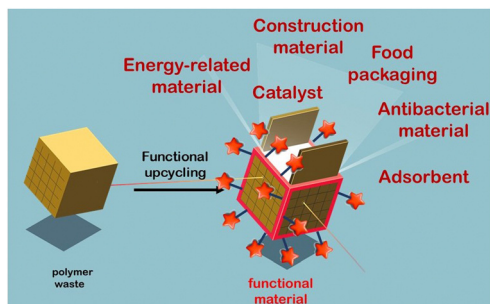
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Polypyridyl Ru(II) or cyclometalated Ir(III) functionalized architectures for photocatalysis

Yan-Lin Li, Ai-Juan Li, Sheng-Li Huang,* Jagadese J. Vittal* and Guo-Yu Yang*

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“Functional upcycling” of polymer waste towards the design of new materials

Olga Guselnikova,* Oleg Semyonov, Elizaveta Sviridova, Roman Gulyaev, Alina Gorbunova, Dmitry Kogolev, Andrii Trelin, Yusuke Yamauchi, Rabah Boukherroub and Pavel Postnikov*

