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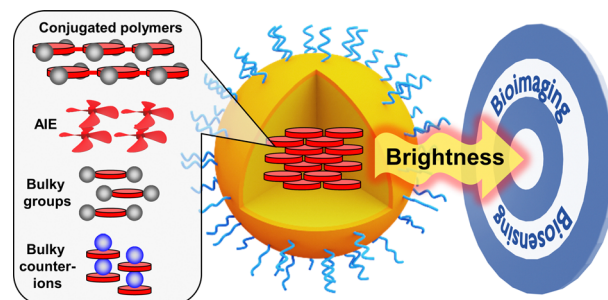
See Chao Zhong, Cong Liu *et al.*, pp. 4603–4631.
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TUTORIAL REVIEWS

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Brightness of fluorescent organic nanomaterials

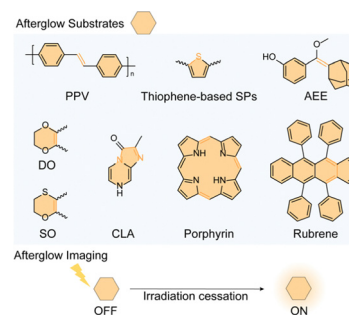
Anila Hoskere Ashoka, Ilya O. Aparin, Andreas Reisch and Andrey S. Klymchenko*



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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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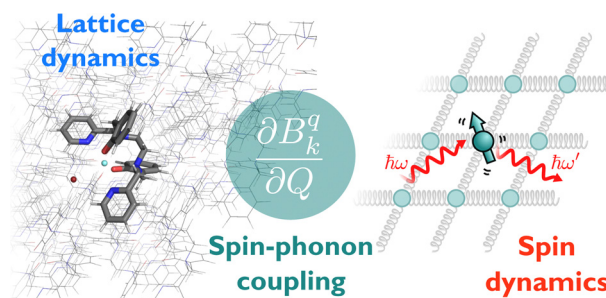


TUTORIAL REVIEWS

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

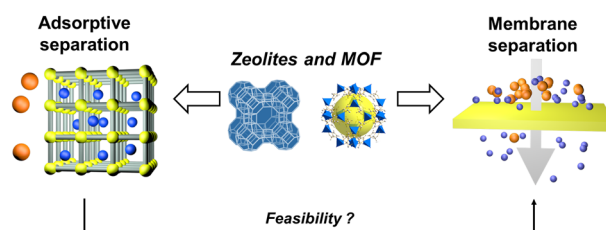
Jon G. C. Kragoskow, Andrea Mattioni,* Jakob K. Staab, Daniel Reta, Jonathan M. Skelton* and Nicholas F. Chilton*



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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

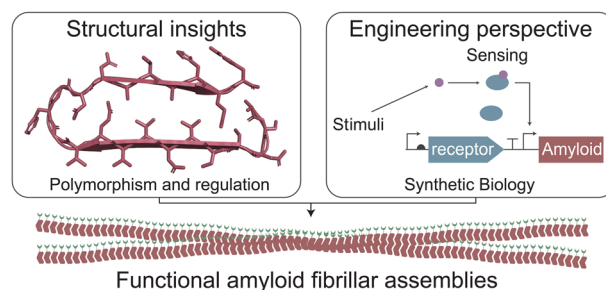


REVIEW ARTICLES

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Rational design of functional amyloid fibrillar assemblies

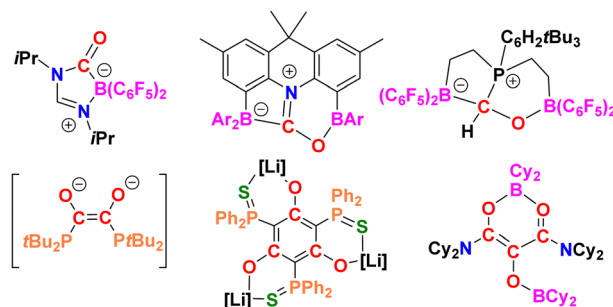
Xinyu Wang, Shengnan Zhang, Jicong Zhang, Yaomin Wang, Xiaoyu Jiang, Youqi Tao, Dan Li, Chao Zhong* and Cong Liu*



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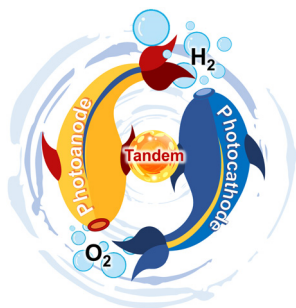
Frustrated Lewis pair chemistry of CO

Douglas W. Stephan



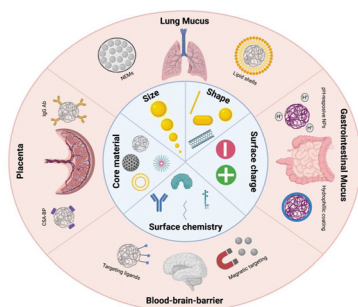
REVIEW ARTICLES

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**Tandem cells for unbiased photoelectrochemical water splitting**

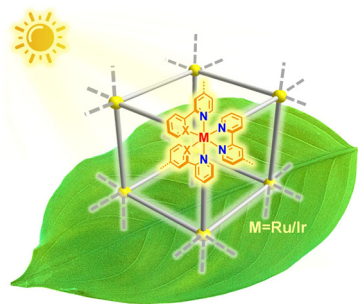
Bin Liu, Shujie Wang, Gong Zhang, Zichen Gong, Bo Wu, Tuo Wang* and Jinlong Gong*

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

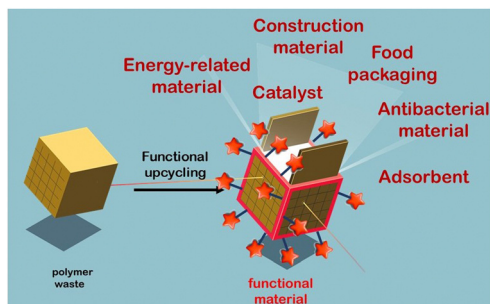
Vincent Lenders, Xanthippi Koutsoumpou, Philana Phan, Stefaan J. Soenen, Karel Allegaert, Steven de Vleeschouwer, Jaan Toelen, Zongmin Zhao and Bella B. Manshian*

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Yan-Lin Li, Ai-Juan Li, Sheng-Li Huang,* Jagadees 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*

