

Chem Soc Rev

Chemical Society Reviews

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Inside cover

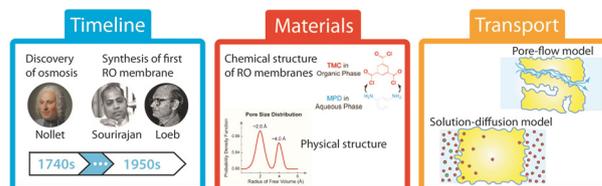
See Lingxin Chen, Sang-Woo Joo, Jaebum Choo *et al.*, pp. 8500–8530. Image reproduced by permission of Jaebum Choo from *Chem. Soc. Rev.*, 2023, 52, 8500.

TUTORIAL REVIEWS

8455

Mechanisms and models for water transport in reverse osmosis membranes: history, critical assessment, and recent developments

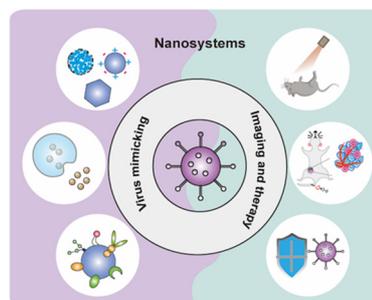
Mohammad Heiranian, Hanqing Fan, Li Wang, Xinglin Lu and Menachem Elimelech*



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Virus-mimicking nanosystems: from design to biomedical applications

Hao-Yang Liu, Xiao Li, Zhi-Gang Wang and Shu-Lin Liu*



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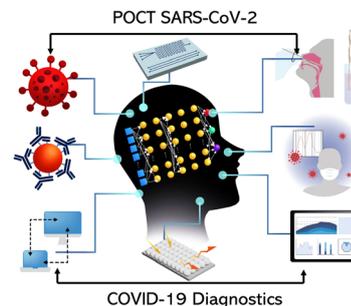


REVIEW ARTICLES

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Recent advances in point-of-care testing of COVID-19

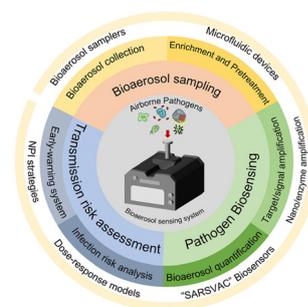
Sungwoon Lee, Liyan Bi, Hao Chen, Dong Lin, Rongchao Mei, Yixuan Wu, Lingxin Chen,* Sang-Woo Joo* and Jaebum Choo*



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On-site airborne pathogen detection for infection risk mitigation

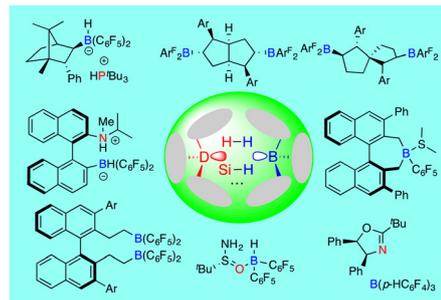
Guangyu Qiu,* Xiaole Zhang, Andrew J. deMello,* Maosheng Yao, Junji Cao and Jing Wang*



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Asymmetric catalysis with FLPs

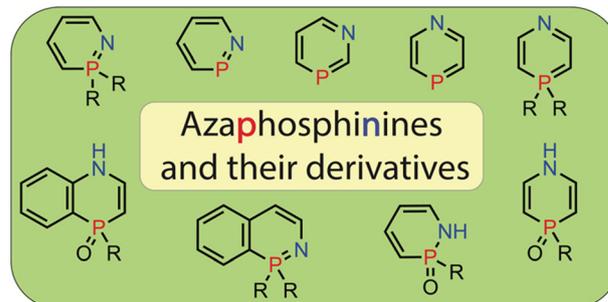
Xiangqing Feng, Wei Meng and Haifeng Du*



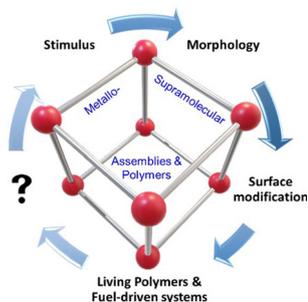
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Azaphosphinines and their derivatives

J. Nolan McNeill, Jeremy P. Bard,* Darren W. Johnson* and Michael M. Haley*



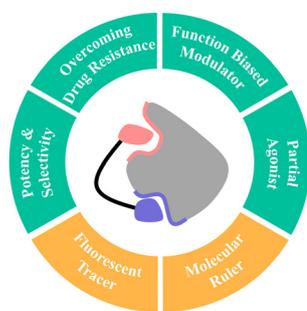
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Metallosupramolecular polymers: current status and future prospects

Rahul Dev Mukhopadhyay and Ayyappanpillai Ajayaghosh*

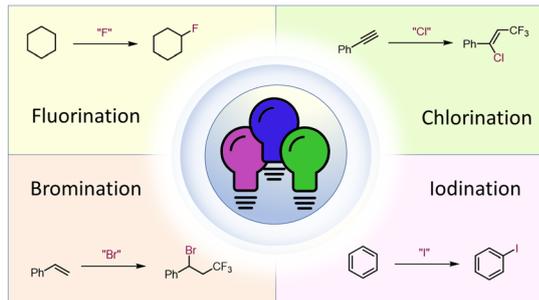
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Designing drugs and chemical probes with the dualsteric approach

Jinyin Zha, Jixiao He, Chengwei Wu, Mingyang Zhang, Xinyi Liu and Jian Zhang*

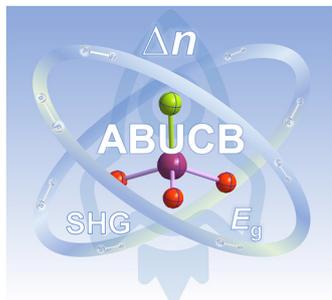
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Visible light-mediated halogenation of organic compounds

Alexey A. Festa, Olga A. Storozhenko, Leonid G. Voskressensky and Erik V. Van der Eycken*

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Anisotropic structure building unit involving diverse chemical bonds: a new opportunity for high-performance second-order NLO materials

Xin Liu, Yi-Chang Yang, Meng-Yue Li, Ling Chen* and Li-Ming Wu*

