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Chemical Society Reviews

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See Thorfinnur Gunnlaugsson, Tony D. James, Hua Zhang *et al.*, pp. 2322–2357. Image reproduced by permission of Kui Wang from *Chem. Soc. Rev.*, 2023, 52, 2322.

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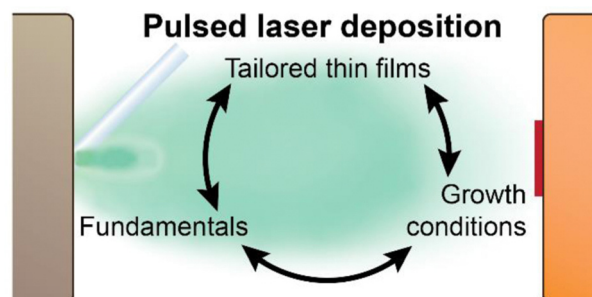


TUTORIAL REVIEW

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A practical guide to pulsed laser deposition

Nick A. Shepelin,* Zahra P. Tehrani, Natacha Ohannessian, Christof W. Schneider, Daniele Pergolesi and Thomas Lippert*



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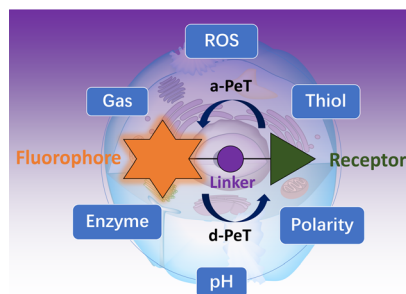


REVIEW ARTICLES

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Photoinduced electron transfer (PeT) based fluorescent probes for cellular imaging and disease therapy

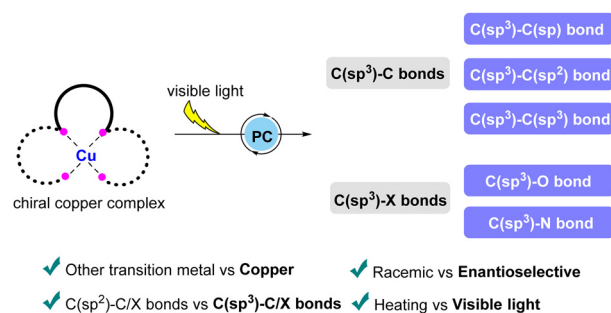
Huiyu Niu, Junwei Liu, Helen M. O'Connor, Thorfinnur Gunnlaugsson,* Tony D. James* and Hua Zhang*



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Photoinduced copper-catalyzed enantioselective coupling reactions

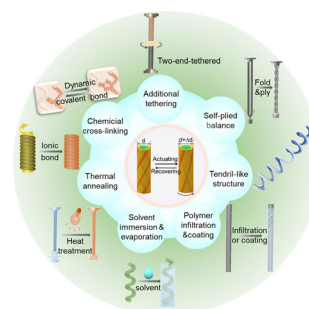
Liangliang Song, Lingchao Cai, Lei Gong* and Erik V. Van der Eycken*



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Tethering of twisted-fiber artificial muscles

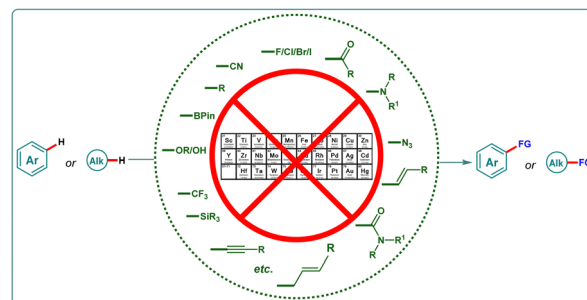
Xueqi Leng, Guangkai Mei, Guanghao Zhang, Zunfeng Liu* and Xiang Zhou*



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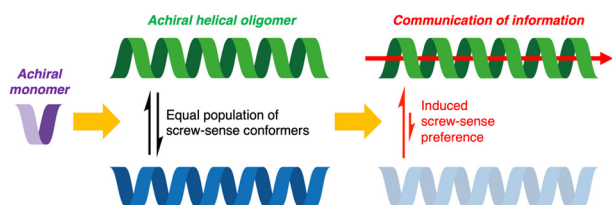
Enroute sustainability: metal free C–H bond functionalisation

Sayan Roy, Subir Panja, Sumeet Ranjan Sahoo, Sagnik Chatterjee and Debabrata Maiti*



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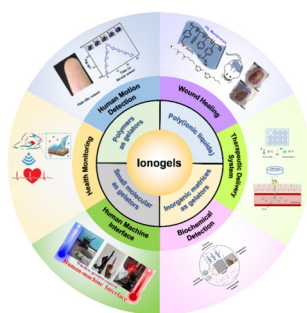
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Screw sense and screw sensibility: communicating information by conformational switching in helical oligomers

David T. J. Morris and Jonathan Clayden*

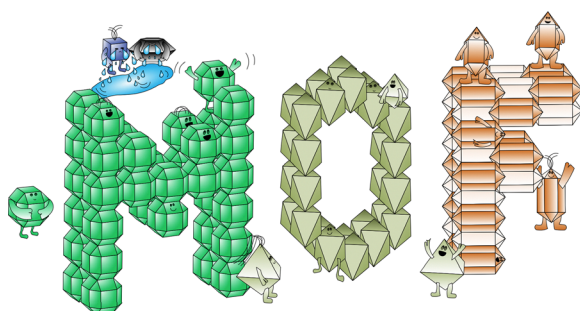
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Ionogels: recent advances in design, material properties and emerging biomedical applications

Xiaotong Fan, Siqi Liu, Zhenhua Jia, J. Justin Koh, Jayven Chee Chuan Yeo, Chen-Gang Wang, Nayli Erdeanna Surat'man, Xian Jun Loh, Jean Le Bideau,* Chaobin He,* Zibiao Li* and Teck-Peng Loh*

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Self-assembly of colloidal metal–organic framework (MOF) particles

Javier Fonseca, Lingxin Meng, Inhar Imaz* and Daniel Maspoch*

