# **Chem Soc Rev**

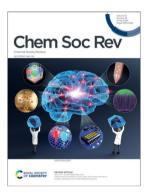
# Chemical Society Reviews

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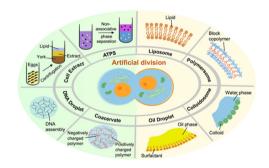
See Tae-il Kim, Sedat Nizamoglu et al., pp. 3326–3352. Image reproduced by permission of Sedat Nizamoglu from Chem. Soc. Rev., 2023, **52**, 3326.

# TUTORIAL REVIEW

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# Division in synthetic cells

Mu-Yueh Chang, Hirotaka Ariyama, Wilhelm T. S. Huck\* and Nan-Nan Deng\*

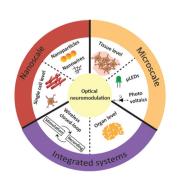


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# Optical neuromodulation at all scales: from nanomaterials to wireless optoelectronics and integrated systems

Onuralp Karatum, Min-Jun Gwak, Junghun Hyun, Asim Onal, Gyan Raj Koirala, Tae-il Kim\* and Sedat Nizamoglu\*



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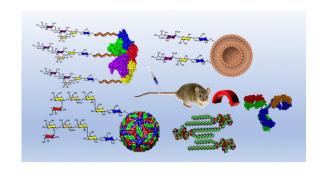


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Carrier diversity and chemical ligations in the toolbox for designing tumor-associated carbohydrate antigens (TACAs) as synthetic vaccine candidates

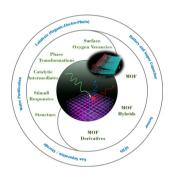
René Roy\* and Leila Mousavifar



#### 3397

Raman spectroscopy, an ideal tool for studying the physical properties and applications of metal—organic frameworks (MOFs)

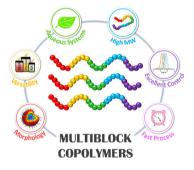
Janaky Sunil, Chandrabhas Narayana,\* Gayatri Kumari\* and Kolleboyina Jayaramulu\*



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# Multiblock copolymer synthesis via RAFT emulsion polymerization

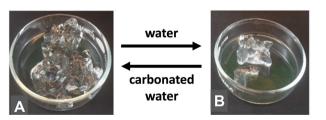
Glenn K.K. Clothier, Thiago R. Guimarães, Steven W. Thompson, Julia Y. Rho, Sébastien Perrier, Graeme Moad and Per B. Zetterlund\*



#### 3470

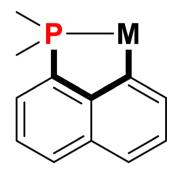
# CO<sub>2</sub>-responsive gels

Ross D. Jansen-van Vuuren, Sina Naficy, Maedeh Ramezani, Michael Cunningham and Philip Jessop\*



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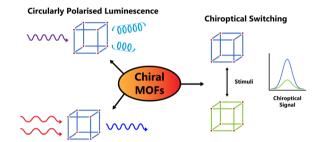
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(P,C)-cyclometalated complexes derived from naphthyl phosphines: versatile and powerful tools in organometallic chemistry

Julien Monot, Enrico Marelli, Blanca Martin-Vaca and Didier Bourissou\*

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**Second-Order Nonlinear Optics** 

# Chiral metal-organic frameworks for photonics

Lyndon A. Hall, Deanna M. D'Alessandro\* and Girish Lakhwani\*