

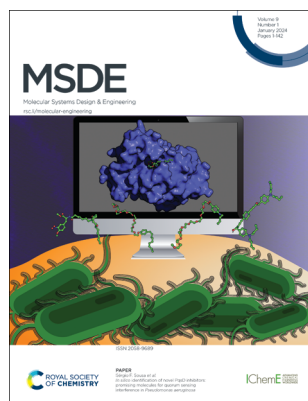
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See Sérgio F. Sousa *et al.*,
pp. 7–19.
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PAPERS

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In silico identification of novel PqsD inhibitors: promising molecules for quorum sensing interference in *Pseudomonas aeruginosa*

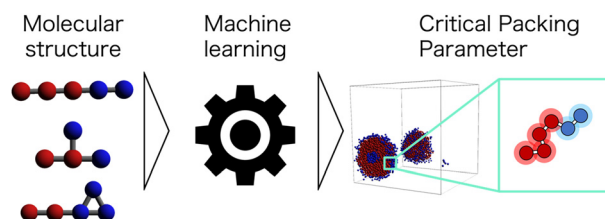
Tatiana F. Vieira, Nuno M. F. S. A. Cerqueira,
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Machine learning prediction of self-assembly and analysis of molecular structure dependence on the critical packing parameter

Yuuki Ishiwatari, Takahiro Yokoyama, Tomoya Kojima,
Taisuke Banno and Noriyoshi Arai*





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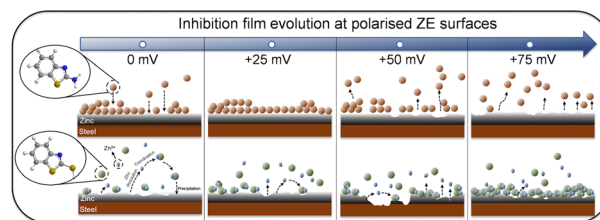
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Inhibitory behaviour and adsorption stability of benzothiazole derivatives as corrosion inhibitors towards galvanised steel

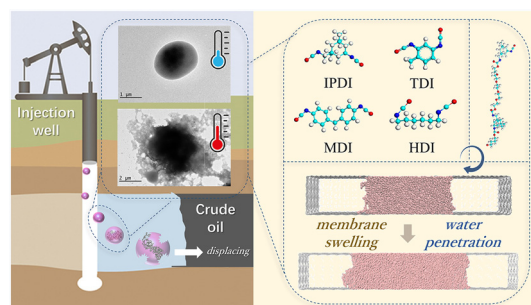
Qiushi Deng,* José María Castillo-Robles, Ernane de Freitas Martins, Pablo Ordejón, Jan-Niclas Gorges, Philipp Eiden, Xiao-Bo Chen, Patrick Keil* and Ivan Cole*



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Designing polyurethane-based microcapsules with tailored swelling behaviours for enhanced oil recovery

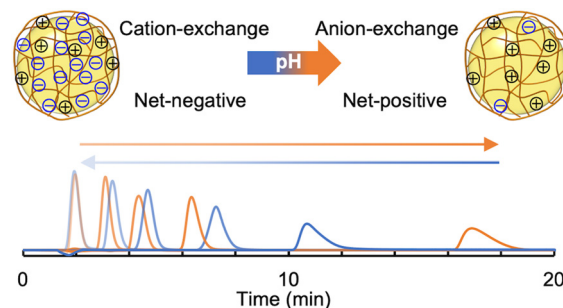
Tongyi Wang, Yongsheng Liu, Jiawei Li,* Jun Zhang, Jian Hou, Youguo Yan* and Xiao Wang



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Cation/anion-exchange mode switching chromatography utilizing pH-responsive mixed charge polymer-modified silica beads

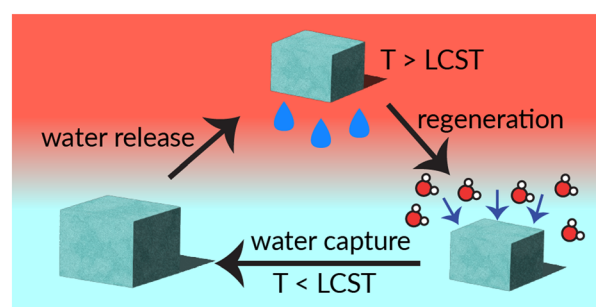
Taisei Kaku, Koichi Deura, Tomoka Yoshii, Daniel Citterio and Yuki Hiruta*

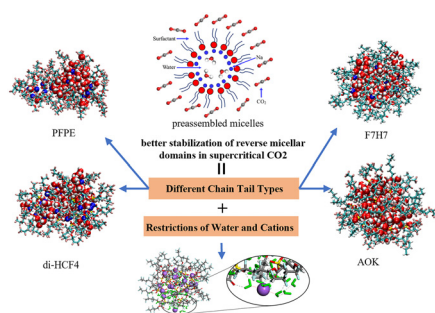


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Rational design of water-harvesting hydrogels

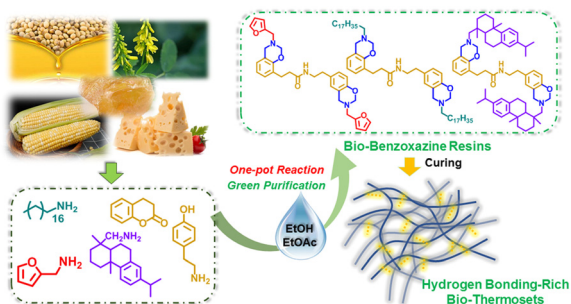
Moki K. Thanusing, Peidong Shen, Brett L. Pollard and Luke A. Connal*





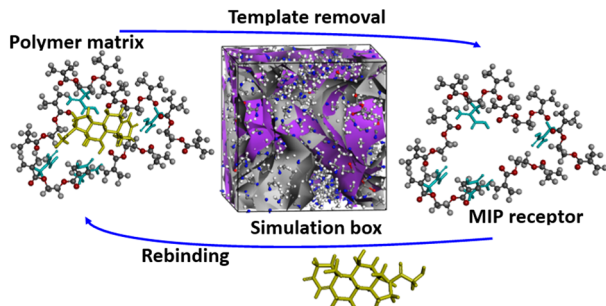
Steric effects stabilize reverse micelle domains in supercritical CO₂ by determined conformation: restrictions of water and cations

Huiwen Sun, Meng Wang, Pan Wang and Muhan Wang*



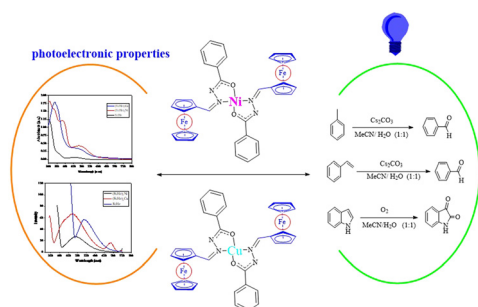
Facile and eco-friendly synthesis of hydrogen bonding-rich bio-based bisbenzoxazine resins with low surface free energy, strong adhesion strength and high thermal stability

Yin Lu, Nan Li, Yaliang Peng, Mohamed Gamal Mohamed,* Shiao-Wei Kuo and Kan Zhang*



Theoretical insights into the compatibility of template-monomer-crosslinker-solvent for cortisol molecularly imprinted polymer pre-polymerization

Victoria T. Adeleke,* Oluwakemi Ebenezer, Madison Lasich and Samuel M. Mugo



Bis-ferrocenyl-hydrazide metal complexes: studying electronic functional groups as newly potent homogeneous photocatalysts for C(sp³)-H and C(sp²)-H bond oxidation utilizing visible light condition

Mohammad Bashiri, Mona Hosseini-Sarvari* and Sara Fakhraee

