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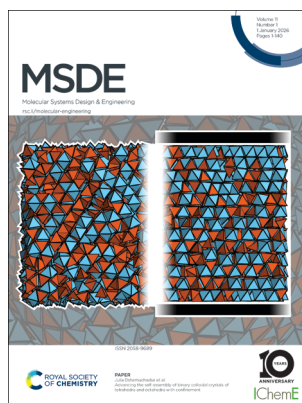
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IN THIS ISSUE

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Cover
See Serdal Kirmizialtin et al., pp. 65–76.
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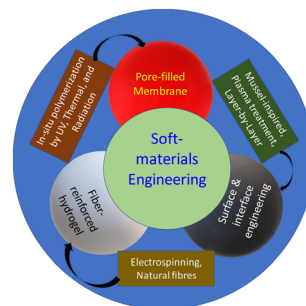
Inside cover
See Julia Dshemuchadse et al., pp. 62–69.
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REVIEW

7

Soft material engineered synthetic polymer membranes: bridging design and application

Ashok K. Pandey*

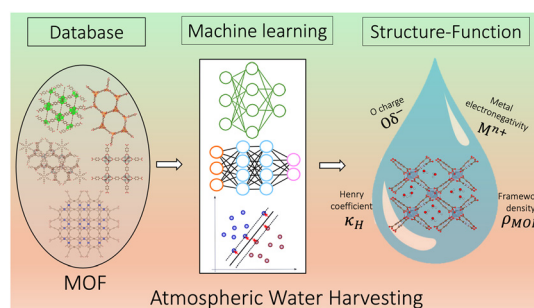


PAPERS

50

Machine learning highlights chemistry as the key factor in metal-organic frameworks for atmospheric water harvesting

Nour Alkhatib, Saifeldeen Abed Alrhman and Serdal Kirmizialtin*





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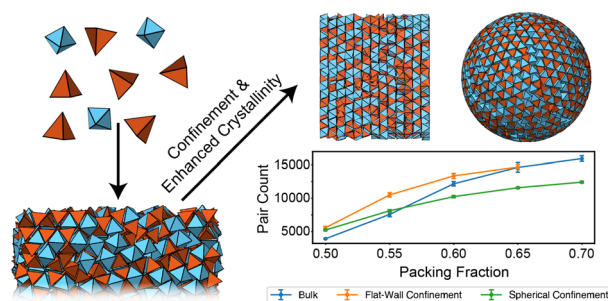
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62

Advancing the self-assembly of binary colloidal crystals of tetrahedra and octahedra with confinement

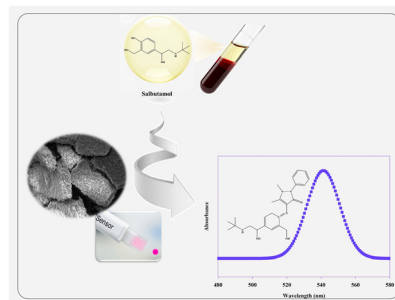
Nathan C. Huang, Rachael S. Skye and Julia Dshemuchadse*



70

Integrated computational and experimental design of copper-gallic acid nanozymes for selective salbutamol detection

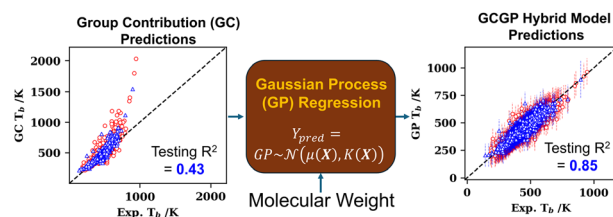
Fatemeh Parad, Fahimeh Ghasemi, Parisa Khadiv-Parsi, Haider Al Amili, Parna Keramati, Somayeh Mojtabavi* and Mohammad Ali Faramarzi*



85

Enhanced thermophysical property prediction with uncertainty quantification using group contribution-Gaussian process regression

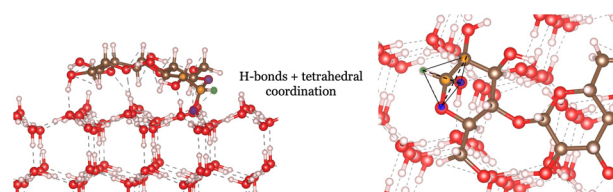
Barnabas P. Agbodekhe, Montana N. Carlozo, Dinis O. Abranches, Kyla D. Jones, Alexander W. Dowling* and Edward J. Maginn*



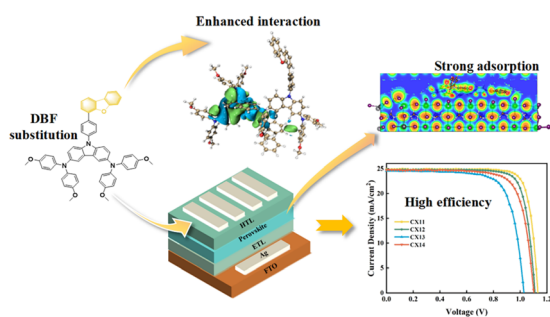
107

A first-principles examination of the ice-cellulose interface: towards bioinspired antifreeze design

Aakash Kumar* and Dilip Gersappe*



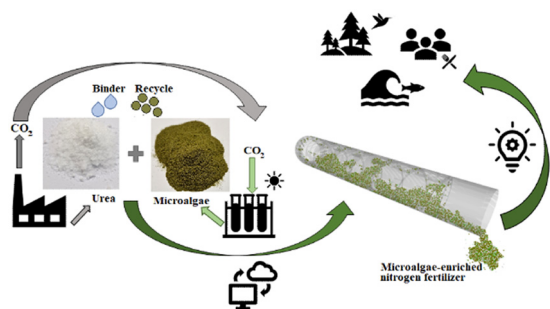
118



Strategy for the isomerization of dibenzo[*b,d*]furan-based carbazole derivatives as hole transporting materials for perovskite solar cells: theoretical design and experimental study

Xin Chen, Jiayi Qi, Xin Jiang, Fei Wu* and Xiaorui Liu*

126



Simulation of the microalgae-enriched nitrogen fertilizer granulation mechanism using the DEM method

Rasa Šlinkšienė,* Vaidas Bivainis and Austėja Mikolaitienė

