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Cover

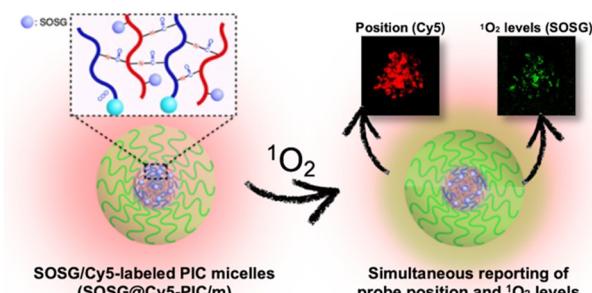
See Thi Vo *et al.*,
pp. 19–31.
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Mol. Syst. Des. Eng., 2025,
10, 19.

COMMUNICATIONS

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Dual-labelled polymeric micelles for singlet oxygen reporting in biological systems

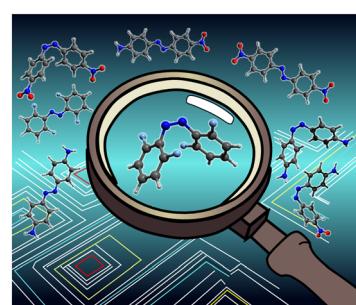
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Is DFT enough? Towards accurate high-throughput computational screening of azobenzenes for molecular solar thermal applications

Flavia Aleotti,* Lorenzo Soprani, Lucas F. Rodríguez-Almeida, Francesco Calcagno, Fabio Loprete, Ivan Rivalta, Silvia Orlandi, Elisabetta Canè, Marco Garavelli,* Irene Conti* and Luca Muccioli*



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Fundamental questions
Elemental answers

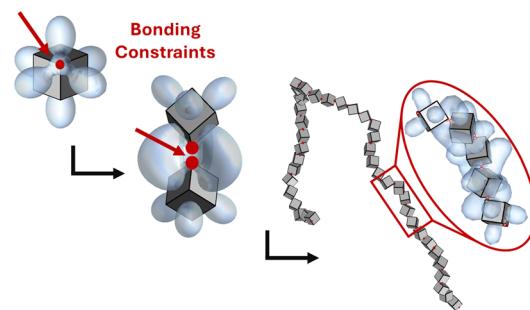
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Elucidating the interplay between entropy-driven and patch-mediated bonding in directing nanoscale assemblies

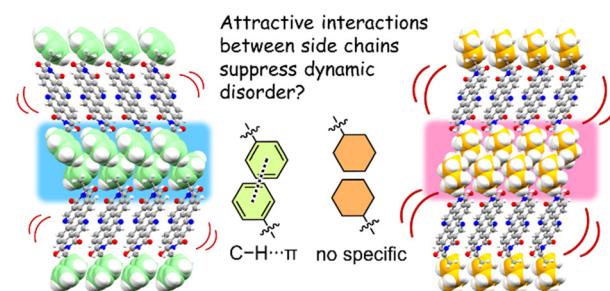
Kireeti Akkunuri, Xiangyu Zhang and Thi Vo*



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Phenyl- versus cyclohexyl-terminated substituents: comparative study on aggregated structures and electron-transport properties in n-type organic semiconductors

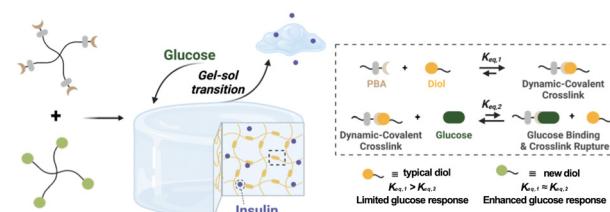
Shohei Kumagai,* Takeru Koguma, Yutaro Arai, Go Watanabe, Hiroyuki Ishii, Jun Takeya and Toshihiro Okamoto*



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Enhanced glucose-responsivity of PBA-diol hydrogel networks by reducing crosslink affinity

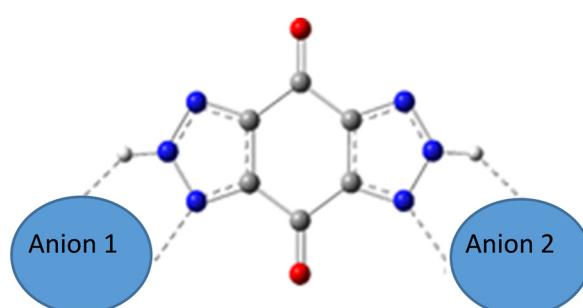
Sijie Xian, Yuanhui Xiang, Svenja Deichmann and Matthew J. Webber*



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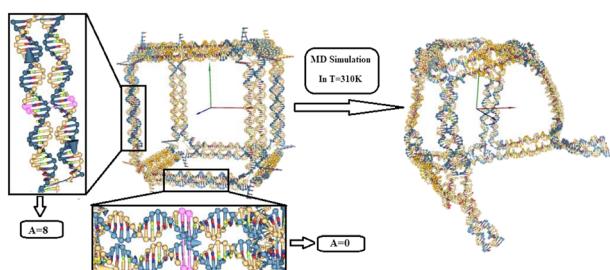
The structural, electronic and thermodynamic properties of the designed *p*-benzoquinone based dicationic ionic liquids: insight from DFT-GD3 and QTAIM

Hossein Roohi,* Sajedeh Habibipour and Khaterreh Ghauri



PAPERS

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**Wireframe DNA origami nanostructure with the controlled opening of edges**

Maryam Mogheiseh and Reza Hasanzadeh Ghasemi*

