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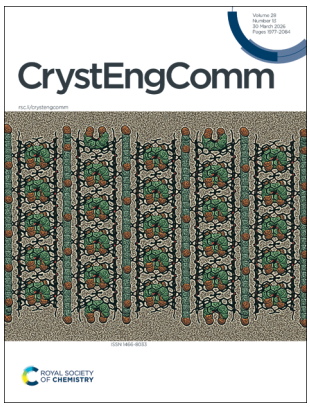

Cover
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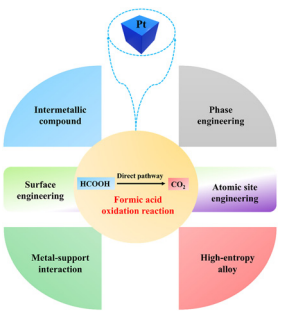
HIGHLIGHTS

1983

Recent advances in engineering Pt-based crystal electrocatalysts: boosting direct dehydrogenation to enhance formic acid oxidation

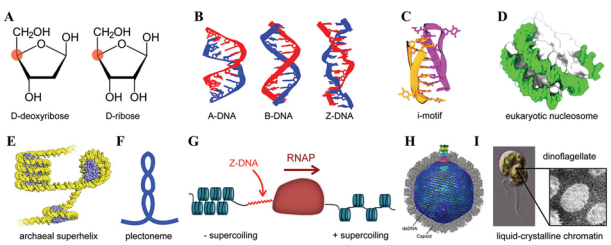
Xiaohua Ma,* Zhanwei Jiao, Yan Yi, Shuofeng Tian and Yuanyuan Gao



2000

Photothermal effect and the corresponding applications of chiral nanomaterials

Rongrong Zhang, Yarong Gu and Lijuan Zhao*

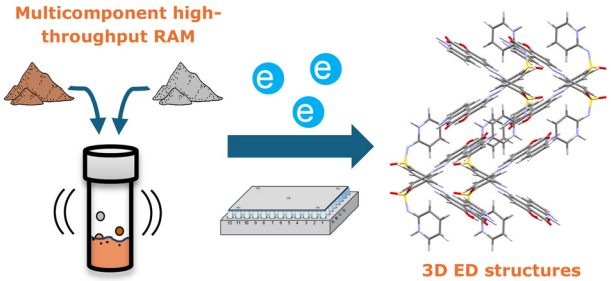


COMMUNICATIONS

2018

High-throughput co-former screening and structural elucidation using resonant acoustic mixing and 3D electron diffraction

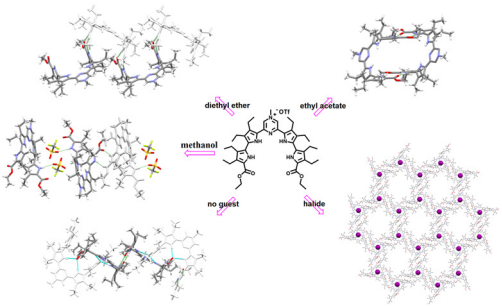
Jacob Danks, Daniel N. Rainer, Ahmed S. Hamza, Simon J. Coles, Anthony B. Carter and Joseph E. G. Benson*



2023

Guest-induced diverse self-assemblies of an oligopyrrole

Yicheng Fang, Huiqi Wei, Caixia Li, Gen Liu, Fan Wang, Lamei Wu, Zhengxi Huang,* Xi Chen* and Zhan Zhang*

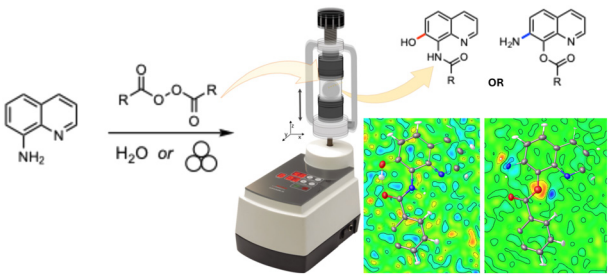


PAPERS

2029

A deep dive into mechanochemical organic reactions by accurate crystallographic analysis *via* TAAM refinement

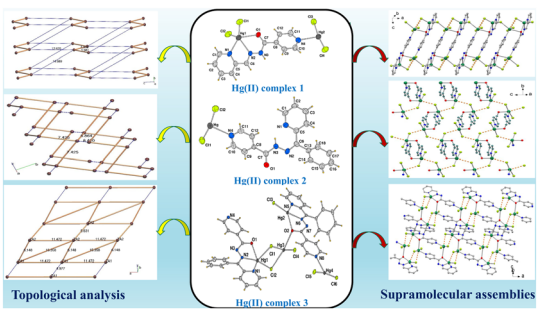
Ana M. Constantin, Francesco Mele, Vinayak Botla, Nicola Della Ca', Raimondo Maggi, Giovanni Maestri, Alessandro Cerveri, Remie M. Sundermann, Daniele Cauzzi, Francesco Pancrazzi* and Paolo P. Mazzeo*



2036

Coordination versatility and weak Hg···X (X = Cl, O, N) interactions in hydrazone-based Hg(II) complexes: structural evolution from discrete units to extended architectures

Alexander S. Novikov, Ghodrat Mahmoudi,* Asmet N. Azizova, Ennio Zangrando, Ertan Şahin, Eugeny V. Alexandrov, Subhadip Roy and Suman Adhikari*



PAPERS