# CrystEngComm

A journal at the forefront of the design and understanding of solid-state and crystalline materials

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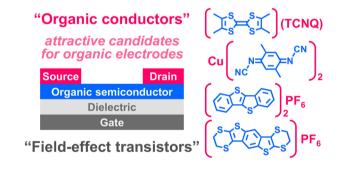
Cover See Ivana Biljan, Ivan Kodrin et al.. pp. 3870-3884. Image reproduced by permission of Ivana Biljan from CrystEngComm, 2023, 25, 3870.

#### **HIGHLIGHT**

3846

Boundary research between organic conductors and transistors: new trends for functional molecular crystals

Tomofumi Kadoya\* and Toshiki Higashino\*

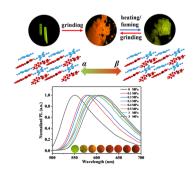


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Changes in piezochromic luminescence of a charge transfer complex subjected to grinding and isotropic compression

Shuai Wang, Wenxin Xiang, Chen Pan, Jingiu Chen, Wenju Li, Jing Zhang,\* Jianfeng Zhao\* and Guangfeng Liu\*



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# CrystEngComm

A journal at the forefront of the design and understanding of solid-state and crystalline materials

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#### COMMUNICATIONS

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### 2,4,6,8-Tetraazidopyrimido[5,4-d]pyrimidine: a novel energetic binary compound

Kristaps Leškovskis, Anatoly Mishnev, Irina Novosjolova, Burkhard Krumm, Thomas M. Klapötke and Māris Turks\*

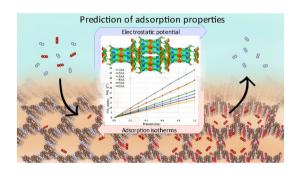


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Prediction of CO<sub>2</sub> adsorption properties of azo, azoxy and azodioxy-linked porous organic polymers guided by electrostatic potential

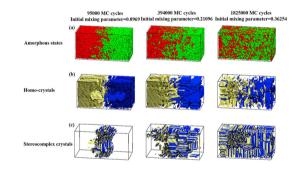
Tea Frey, Barbara Panić, Petar Šutalo, Mladen Borovina, Ivana Biljan\* and Ivan Kodrin\*



#### 3885

Local segmental miscibility dominating stereocomplex crystallization in polymer blends

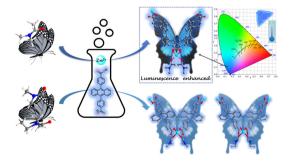
Qian Zhu, Jianlong Wen, Mingyang Ma and Yijing Nie\*



#### 3896

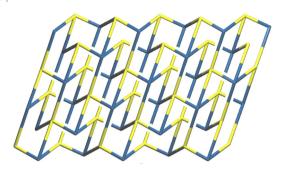
Modulating the luminescent performances on blueemitting coordination polymers via tuning the endsolvent molecules

Hui Hu, Zhen-Wei Zhang, Da-Shuai Zhang,\* Xue Zhou, Hui Ji, Yong-Zheng Zhang, Yuchen Deng, Longlong Geng,\* Xiuling Zhang, Chao Lv, Rongmin Wei and Jin-Hua Wang\*



#### **PAPERS**

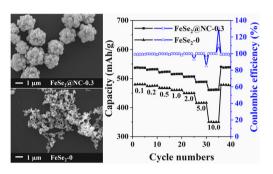
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## Triple-armed aliphatic tricarboxylic acids as sources of ligands for uranyl ion: influence of bridgehead functionalization

Pierre Thuérv.\* Youssef Atoini and Jack Harrowfield\*

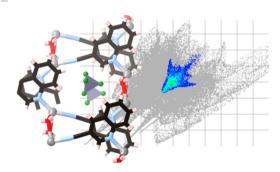
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### FeSe<sub>2</sub> nanocrystalline aggregated microspheres with ultrahigh pseudocapacitive contribution for enhanced sodium-ion storage

Peiyuan Wang,\* Yihang Hou, Gencheng Deng, Zhuofan Liu, Yonghao Li, Denggui Zhu, Dongjie Guo and Sunmin Sun\*

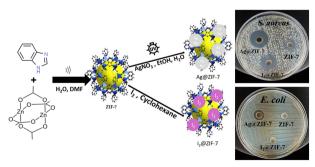
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# Synthesis, structure diversity, and antimicrobial studies of Ag(1) complexes with quinoline-type ligands

Amal Yousri, Matti Haukka, Morsy A. M. Abu-Youssef,\* Mohammed Salah Ayoup,\* Magda M. F. Ismail, Nagwan G. El Menofy, Saied M. Soliman, Assem Barakat, Francoise M. Amombo Noa and Lars Öhrström\*

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### Prolonged release of silver and iodine from ZIF-7 carrier with great antibacterial activity

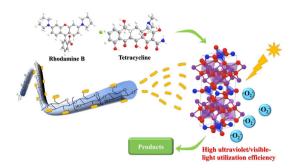
Alireza Davoodi, Kamran Akhbari\* and Mohammadreza Alirezvani

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Cellulose-templated Bi<sub>2</sub>SiO<sub>5</sub> nanorods with enhanced UV/vis light utilization efficiency for highperformance photocatalytic degradation of organic contaminants

Yiyan Cai, Shuo Zhang, Weizhi Zhu, Haohang Fang, Hongjie Wang, Shaohong Shi, Jianping Sun, Yiqiang Wu and Fangchao Cheng\*



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Two new manganese-based phosphomolybdate compounds as electrochemical sensors for the highly sensitive trace determination of heavy metal Cr(v<sub>I</sub>) ions

Jinling Wang, Xiaohui Liu, Zhihan Chang,\* Na Xu\* and Xiuli Wang

