

# CrystEngComm

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## IN THIS ISSUE

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### Cover

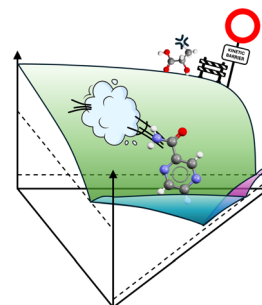
See Ivo B. Rietveld *et al.*, pp. 4906–4921.  
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## HIGHLIGHTS

4906

### Navigating phase behaviour in pharmaceuticals to enable phases with desired properties

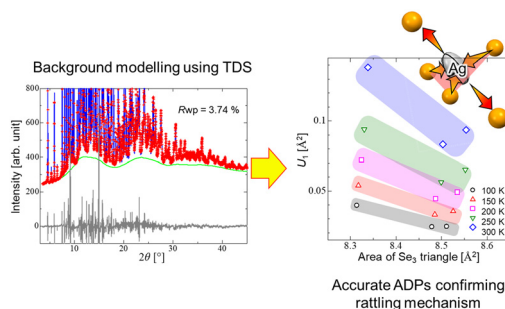
Ivo B. Rietveld,\* Cheng-long Stephan and Gabin Gbabode



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### Accurate determination of atomic displacement parameters for thermoelectric materials from synchrotron powder diffraction data with sophisticated background treatment

Seiya Takahashi and Eiji Nishibori\*



# RSC Applied Interfaces

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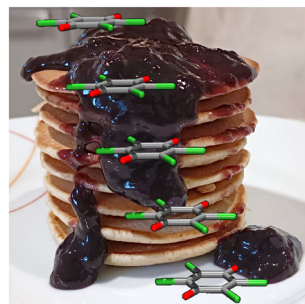


## HIGHLIGHTS

4932

**The pancake bond: on the border of covalent and intermolecular**

Krešimir Molčanov\* and Petra Stanić

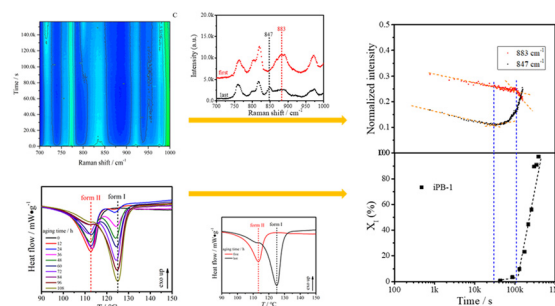


## COMMUNICATION

4941

***In situ* Raman scattering investigation of crystal phase transition in isotactic polybutene-1**

Jiangqing Li, Lekang Zhang, Lars Rosgaard Jensen, Donghong Yu, Jesper de Claville Christiansen and Shichun Jiang\*

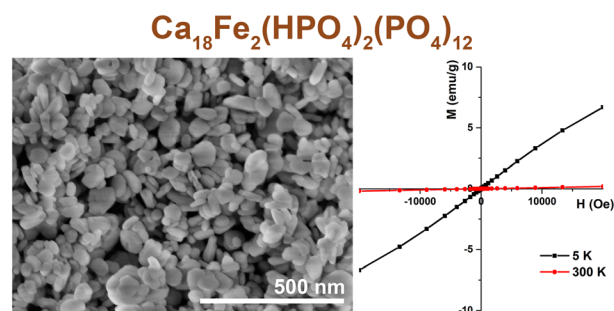


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**Wet-chemical approach to the synthesis of iron whitlockite ( $\text{Ca}_{18}\text{Fe}_2(\text{HPO}_4)_2(\text{PO}_4)_{12}$ ) via a dissolution–precipitation process under hydrothermal conditions**

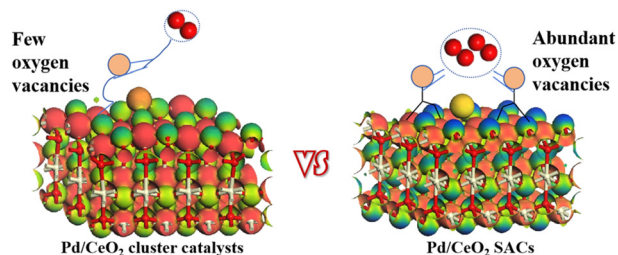
Diana Griesiute, Jonas Stadulis, Agne Kizalaite, Andris Antuzevics, Arita Dubnika, Dominika Zakutna, Vaclav Tyrpekl, Chen-Ying Su, Hsu-Wei Fang and Aleksey Zarkov\*



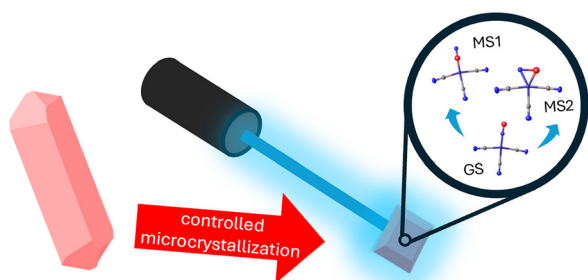
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**Modulating oxygen vacancies to simultaneously promote Pd atom stability and O activation over Pd/CeO<sub>2</sub> catalysts for enhancing catalytic efficiency and durability**

Ke Tang, Xiaoyang Liu, Guofei Jiang,\* Ying Zhang, Xiangyan Meng, Jiangbo Lu,\* Hanyu Zhang, Yiping Gao, Zhengxing Qin and Feng Lin\*



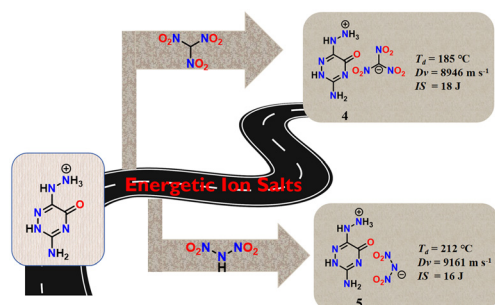
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### Controlled microcrystallization for *in situ* photocrystallography: optimizing crystal size and habit

Sam G. Lewis, Ben A. Coulson, Kenneth D. M. Harris, Anna J. Warren, Mark R. Warren and Lauren E. Hatcher\*

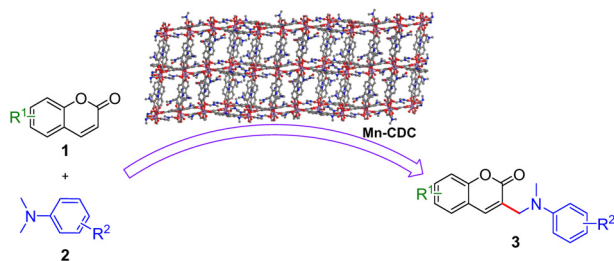
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### Constructing high-performance and insensitive energetic salts through increased hydrogen bonds

Luyao Chen, Wei Hu, Caijin Lei, Jie Tang, Chuan Xiao, Guangbin Cheng\* and Hongwei Yang\*

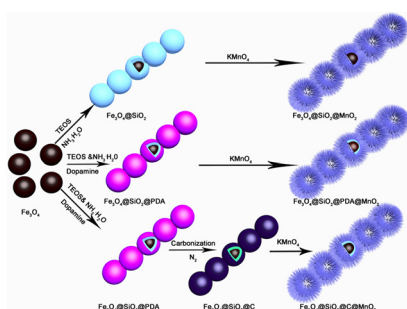
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### Construction of novel Mn-based metal-organic frameworks for regioselective cross-dehydrogenative coupling of coumarins and dimethylanilines

Qing Sun, Chen Yang, Shaoyang Han, Xin Liu, Meichao Li and Zhenlu Shen\*

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### Feasible design of 1D hierarchical Fe<sub>3</sub>O<sub>4</sub>@SiO<sub>2</sub>@PDA@MnO<sub>2</sub> nanochains with high capacity for removal of organic pollutants

Lijun Zhang, Chengyan Song, Junxiao Wang, Mintong Guo and Min Zhang\*



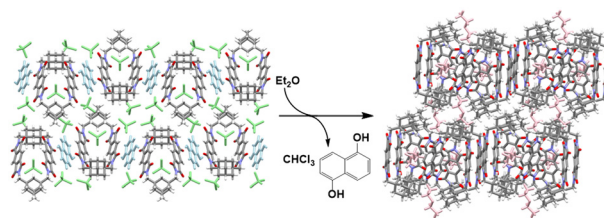


## PAPERS

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### Co-crystals built from macrocycles with pyromellitic diimides and naphthalene derivatives: transformation of a binary co-crystal solvate to a solvate through solvent exchange

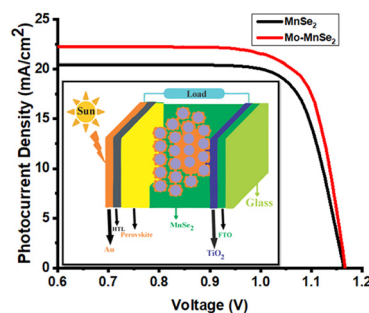
Masahide Tominaga,\* Ryusei Kamada, Tadashi Hyodo and Kentaro Yamaguchi\*



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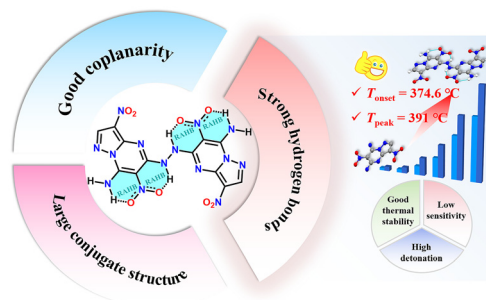
Qurat Ul Ain, Dhafer O. Alshahrani, H. Khan, Muhammad Umar Farooq, Zain Ul Abdien, Muhammad Siddique and Muhammad Saad\*



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### Constructing insensitive heat-resistant energetic materials via hydrazo bridge mediated resonance-assisted hydrogen bonds

Xing Zhang, Linhu Pan, Min Li, Jianquan Jing, Honglei Xia\* and Qinghua Zhang\*



## RETRACTION

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### Retraction: The behavior of Ni nanotubes under the influence of environments with different acidities

Maksim D. Kutuzau,\* Egor Yu. Kaniukov, Elena E. Shumskaya, Victoria D. Bundyukova, Gulnar R. Kalkabay, Maxim V. Zdorovets, Daryn B. Borgekov and Artem L. Kozlovskiy

