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Cover

See Shouvik Chattopadhyay *et al.*, pp. 5104–5125.

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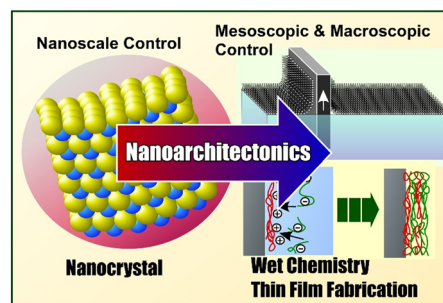
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Wet chemistry nanoarchitectonics for nanocrystal-based films

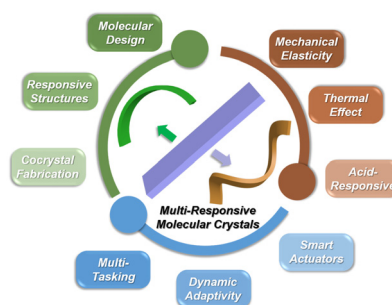
Gaulthier Rydzek* and Katsuhiko Ariga*



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Versatile responses beyond photomechanical behavior based on dynamic molecular crystals

Fei Tong,* Ya-Bing Sun, Lin Chen and Hui-Yao Lin



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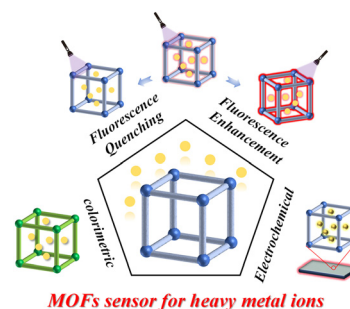


HIGHLIGHTS

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Metal–organic framework-based sensors for the detection of heavy metal ions in water

Guo-Zhu Liu, Zheng-Dong Liang, Zhu-Jun Long, Jie-Wei Liu, Huan-Ying Li* and Zong-Wen Mo*

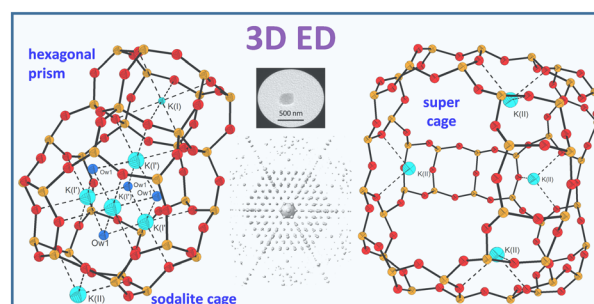


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3D ED for the localization of cations in potassium exchanged and partially dehydrated nano Y zeolite

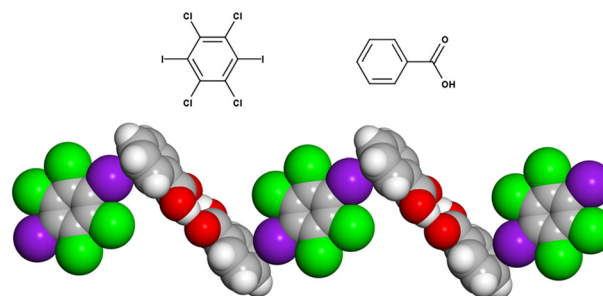
Yacine Malik Chaib Draa, Taylan Örs, Irena Deroche, Catherine Dejoie and Jean-Louis Paillaud*



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Emmett H. Feld, Eric Bosch, Daniel K. Unruh, Herman R. Krueger Jr. and Ryan H. Groeneman*

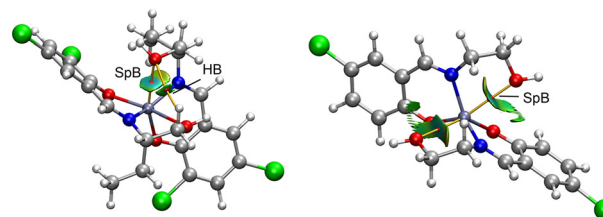


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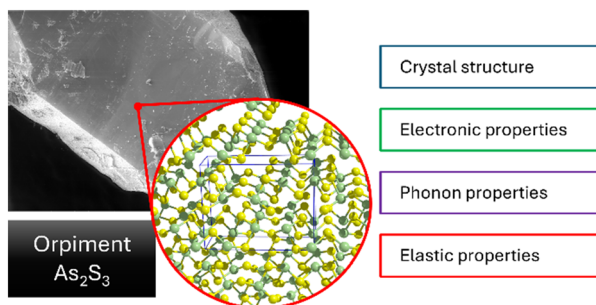
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Synthesis, structural characterization, and DFT analysis of zinc(II) Schiff base complexes featuring noncovalent spodium bonds

Md Gishan, Puspendu Middya, Sergi Burguera, Antonio Frontera* and Shouvik Chattopadhyay*



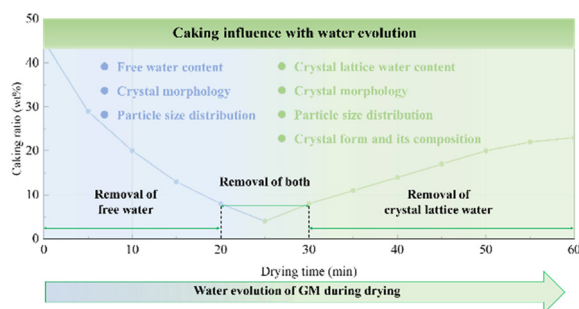
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Cross-correlated experimental and theoretical characterisation of orpiment As_2S_3 , a potential material for new advanced technological applications

Gianfranco Ulian, Francesca Ranellucci and Giovanni Valdrè*

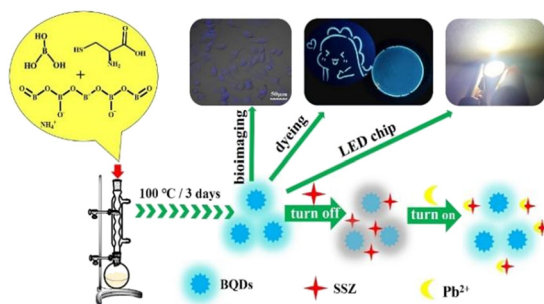
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Revealing the relationship between the anti-caking function of wet hydrate crystals and water migration: a case study of glucose monohydrate

Mengdi Zhang, Mingxuan Li, Hongwei Zhao, Zhilong Liu, Dandan Han,* Mingyang Chen* and Junbo Gong

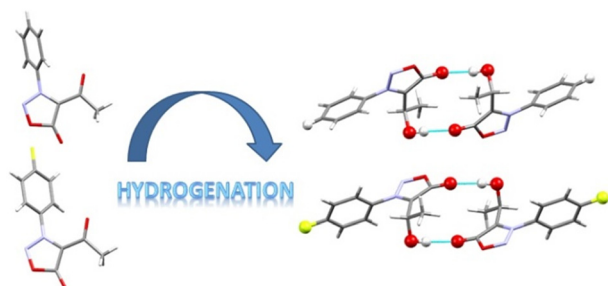
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A simple low-temperature synthesis of fluorescent boron quantum dots for versatile applications

Shutao Li, Pengyi Ma, Jinping Song,* Xiaoting Guo, Jianhua Xue and Qi Ma*

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H/F replacement in secondary alcohols of sydnone as examples of isostructural $\text{OH}\cdots\text{O}=\text{C}$ hydrogen bonded dimer structures

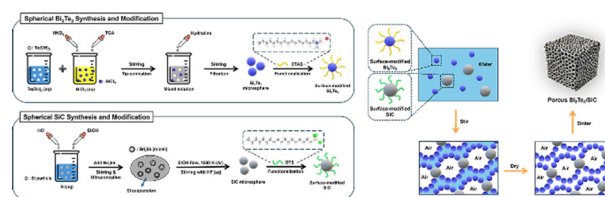
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Multistage pore structure in Bi₂Te₃/SiC composites: achieving lower thermal conductivity and enhanced thermoelectric Performance

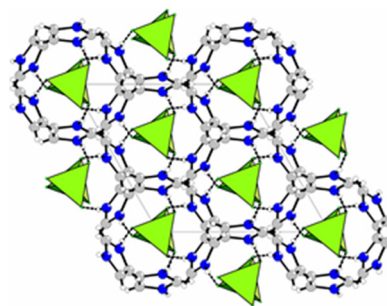
Oju Kwon, Minsu Kim, Jaeyeon Kim, Jaekyung Lee, Subin Lee, Jaeho Lee and Jooheon Kim*



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(C₃H₅N₂)₃[Be₂F₇]: the first imidazolium fluoroberyllate with a non-centrosymmetric structure based on linear tetrahedral [Be₂F₇]³⁻ anions

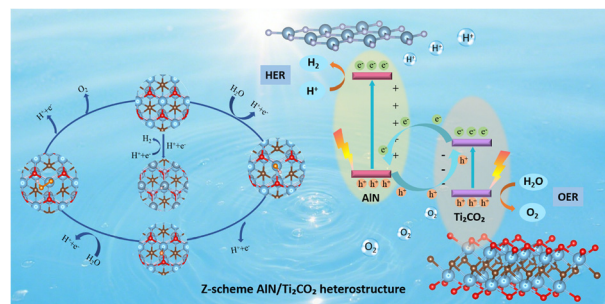
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AlN/Ti₂CO₂ van der Waals heterostructure: a direct Z-scheme photocatalyst for efficient photocatalytic water splitting

Yanfei Li, Zhi Xiao, Wen Qiao,* Ru Bai, Tiejun Zhou and Shiming Yan*



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Structurally controllable Cd(II)-based luminescent metal–organic frameworks for efficient detection of antibiotics in water

Ning Xu, Yulong Zhou, Yexin Shen, Rui Li, Qinghua Zhang and Xiandong Zhu*

