

CrystEngComm

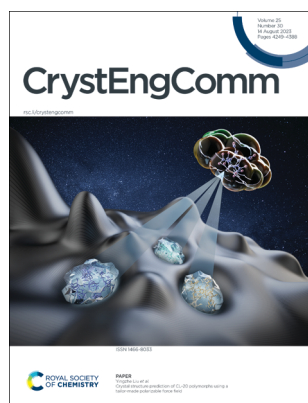
A journal at the forefront of the design and understanding of solid-state and crystalline materials

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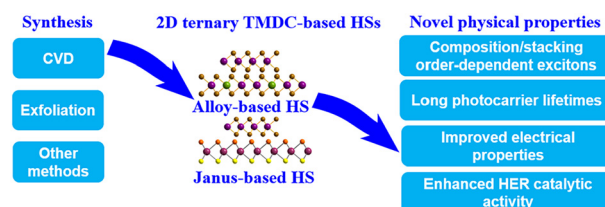
See Yingzhe Liu *et al.*, pp. 4272–4283.
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HIGHLIGHT

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Recent progress in the synthesis and physical properties of 2D ternary TMDC-based vertical heterostructures

Qin An, Teyang Zhang, Fei Chen* and Weitao Su*

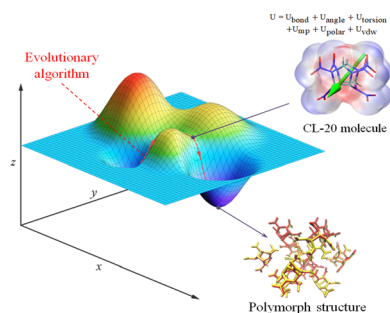


PAPERS

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Crystal structure prediction of CL-20 polymorphs using a tailor-made polarizable force field

Yiding Ma, Yilin Cao, Tao Yu, Zhixiang Zhang, Weipeng Lai, Chao Chen, Linyuan Wen and Yingzhe Liu*



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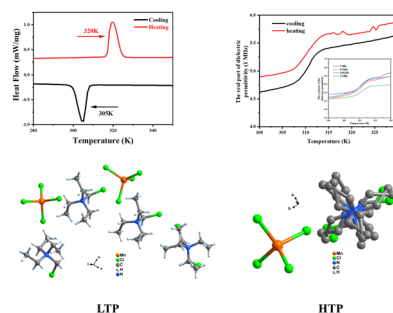
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Dielectric and optical properties of a new organic–inorganic hybrid phase transition material

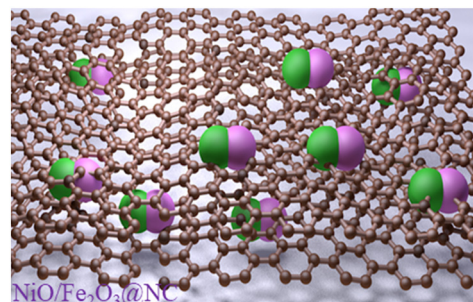
Yinan Zhang, Zhuoer Cai, Xinyi Zhang, Shiyue Xiao, Xianmin Liu, Yingyi Zhao, Xiu-Ni Hua* and Baiwang Sun



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Synergistic NiO/Fe₂O₃ heterostructure-enhanced electrocatalytic performance in dye-sensitized solar cells

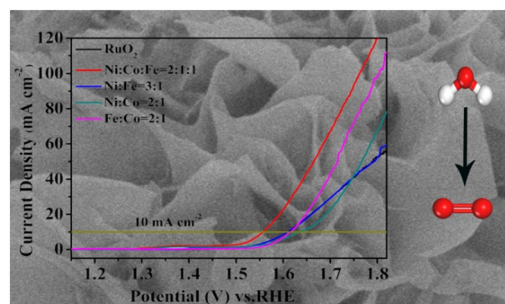
Ying Meng, Wen Wang, Chunqiu Zhang, Jixin Yao, Changzheng Xie, Zhenfa Zi, Changcheng Lin, Shibin Lu* and Guang Li*



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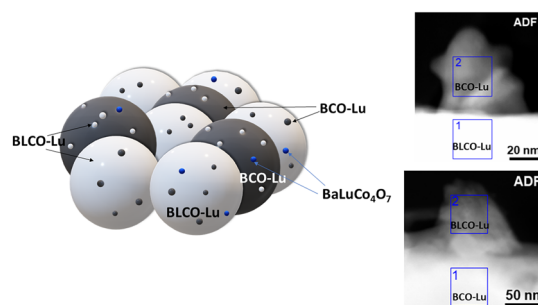
Jiangyan Dang, Jingjing Qiu, Xiaoying Zhang,* Ruifa Jin, Bowen Qin and Jingping Zhang*



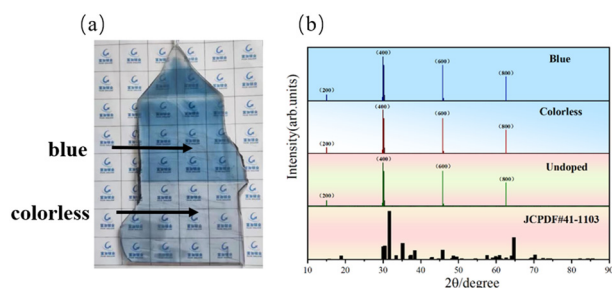
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Oxide nanoparticle exsolution in Lu-doped (Ba,Lu) CoO₃

Daria Balcerzak,* Iga Szpunar, Ragnar Strandbakke, Sarmad W. Saeed, Calliope Bazioti, Aleksandra Mielewczyk-Gryn, Piotr Winiarz, Alfonso J. Carrillo, María Balaguer, Jose M. Serra, Maria Gazda and Sebastian Wachowski



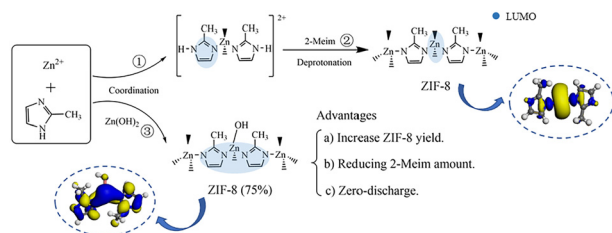
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Effect of high-temperature remelting on the properties of Sn-doped β -Ga₂O₃ crystal grown using the EFG method

Jinshan Wei, Yuzhe Bu, Qinglin Sai,* Hongji Qi,*
Jingbo Li* and Huaimin Gu*

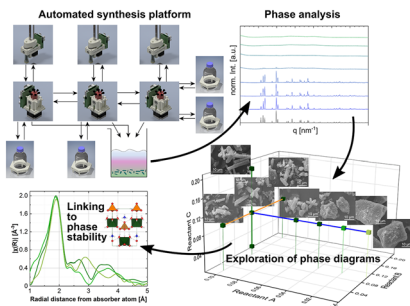
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Dual Zn source strategy for synthesizing ZIFs: zero discharge, less raw material, high output, and better adsorptive performance

Yingjie Li, Penghui Li, Chaojian Zhang, Kai He,
Yanyan Chen and Xiaoyuan Liao*

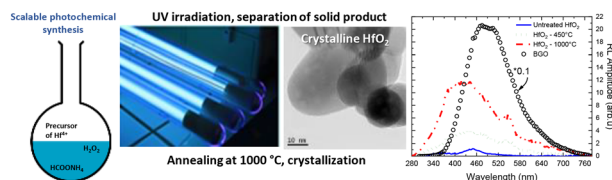
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Phase stability studies on transition metal phosphates aided by an automated synthesis

Stephanos Karafilidis,* Tom William Ryll,
Ana G. Buzanich, Franziska Emmerling
and Tomasz M. Stawski*

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First investigation of the morphological and luminescence properties of HfO₂ nanoparticles synthesized by photochemical synthesis

Irene Villa,* Lenka Prouzová Procházková, Eva Mihóková,
Vladimir Babin, Robert Král, Petra Zemenová,
Alexandra Falvey, Václav Čuba, Matteo Salomoni,
Fiammetta Pagano, Roberto Calà, Isabel Frank,
Etienne Auffray and M. Nikl

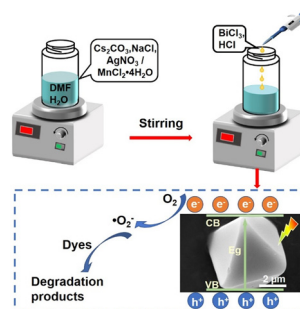


PAPERS

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Room-temperature synthesis of Ag- and Mn-doped $\text{Cs}_2\text{NaBiCl}_6$ octahedrons for dye photodegradation

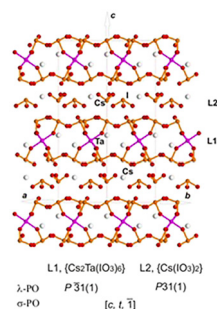
Ling Li, Yuwei Zhong, Yongfei Hu, Jilin Bai, Fen Qiao, Abdelaal S. A. Ahmed, Ghafar Ali, Xiujian Zhao and Yi Xie*



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New layered nonlinear optical iodate $\text{Cs}_3\text{Ta}(\text{IO}_3)_8$: topology-symmetry analysis and structure prediction

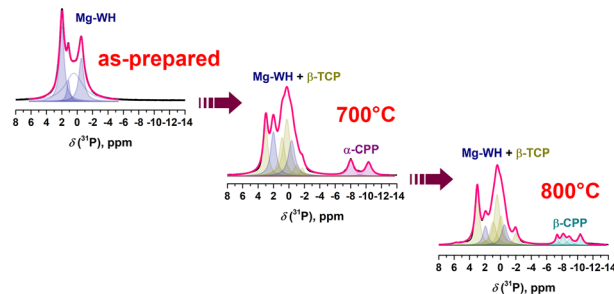
Elena L. Belokoneva,* Olga V. Reutova, Olga V. Dimitrova, Anatoly S. Volkov, Sergey Yu. Stefanovich, Victor V. Maltsev and Marina F. Vidasina



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Dissolution-precipitation synthesis and thermal stability of magnesium whitlockite

Agne Kizalaite, Vytautas Klimavicius, Vytautas Balevicius, Gediminas Niaura, Andrei N. Salak, Jen-Chang Yang, Sung Hun Cho, Tomoyo Goto, Tohru Sekino and Aleksey Zarkov*



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Preparing filled CoSb_3 skutterudites at 500 °C by a self-reduction sol-gel route

Jiajing Zhang, Xue An, Mengjie Jia, Bin Han and Ping Che*

