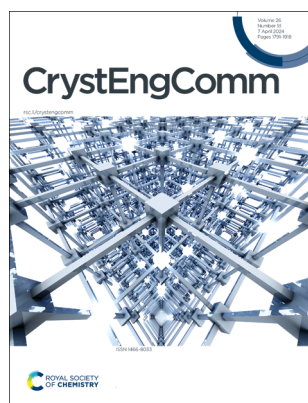


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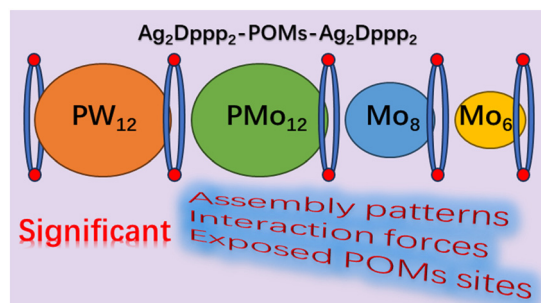
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PAPERS

1798

Polyoxometalate templated silver-bisphosphine sandwich: structurally tunable hybrid materials

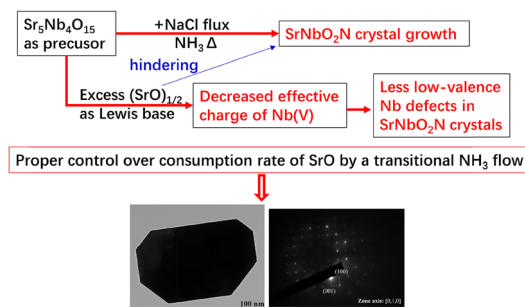
Sheng-Jie Yao, Zhen-Qing Qi, Zhan-Guo Jiang* and Cai-Hong Zhan*



1806

Growth of single-crystalline SrNbO₂N micron particles and assembling of particulate photoanodes

Hezhou Huang, Xiaoli Liu, Jianguo Ma, Jingsheng Zhang, Yifan Zhang, Jiahao Kang, Ting Zhu, Chaoxiu Gong, Mingbiao Luo* and Feng-Qiang Xiong*





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High-pressure phase and pressure-induced phase transition of Ag_3YCl_6

Diagram illustrating the phase transition of Ag_3YCl_6 from a hexagonal structure to a monoclinic structure under hydrostatic pressure.

The left structure is labeled **Hexagonal Ag_3YCl_6** . The right structure is labeled **Monoclinic Ag_3YCl_6** .

An orange arrow labeled **Hydrostatic pressure** and **Phase transition** indicates the transition from the hexagonal to the monoclinic structure.

Legend:

- Ag (Red sphere)
- Y (Grey sphere)
- Cl (Green sphere)

Coordinate system (a, b, c) is shown at the bottom of each structure.

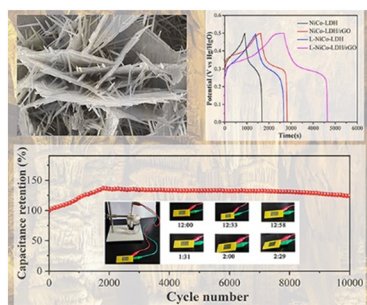
Wavelike zinc coordination polymers: anion-modulated ligand conformation and fluorescence detection of 4-aminobenzylamine

SrY₂S₄ – a novel host lattice for up-conversion luminescence and high-sensitive optical thermometry

Figure 1 consists of four panels. The top-left panel shows the crystal structure of SrY_2S_4 with Sr (blue), Y (green), and S (red) ions. The top-right panel is an XRD pattern showing a sharp peak at $2\theta \approx 20^\circ$ for $\text{SrY}_2\text{S}_4:10\%\text{Er}^{3+}$ with $\lambda_{\text{ex}} = 1550 \text{ nm}$. The bottom-left panel is a plot of $\eta_{\text{PL}} (\%)$ (left y-axis, purple line with circles) and $S_{\text{A}} (\times 10^{-4} \text{ K})$ (right y-axis, orange line with squares) versus Wavelength (nm) from 300 to 600 nm, for $\lambda_{\text{ex}} = 1550 \text{ nm}$. The bottom-right panel is a similar plot for $\lambda_{\text{ex}} = 980 \text{ nm}$.

Optical properties of conductive and semi-insulating HVPE-GaN crystals

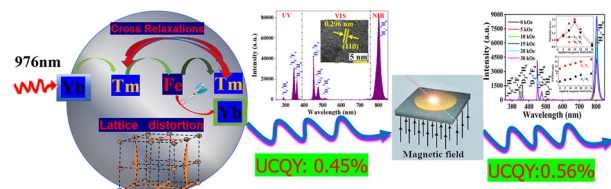
1843



Novel stalactiform structural CoNi-rGO for supercapacitors with enhanced electrochemical performance

Yang Sun, Zhaoyi Zhang, Cong Xiang, Yifan Jiang, Yan Feng, Xiaomei Cheng, Xiangzi Li* and Meifang Wang*

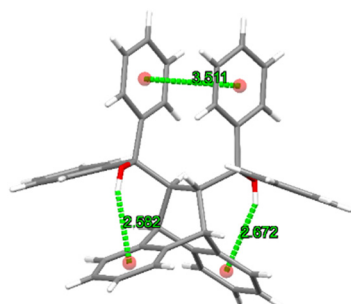
1852



A low-temperature self-flux route to prepare hexagonal rare earth fluorides and manipulation of upconversion luminescence in rodlike NaYbF₄:Tm³⁺/Fe³⁺ crystals

Xinyang Huang* and Min Liao

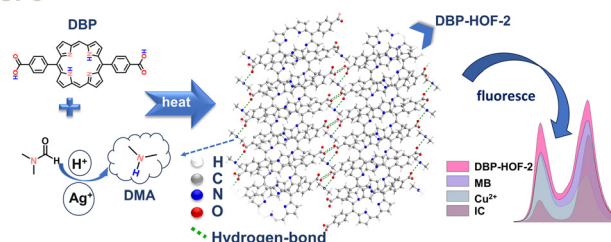
1862



Host compounds based on the rigid 9,10-dihydro-9,10-ethanoanthracene framework: selectivity behaviour in mixed isomeric dichlorobenzenes

Benita Barton,* Mino R. Caira,* Ulrich Senekal and Eric C. Hosten

1876



In situ generated dimethylamine constructs a robust hydrogen-bonded organic framework for selective fluorescence detection

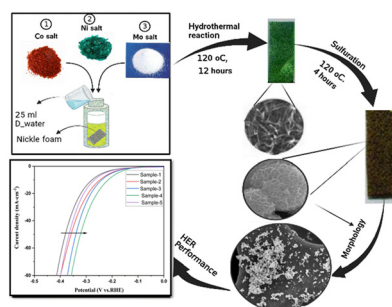
Xiaoxia Lai, Xinxin Liu, Ye Yang, Jinyan Huang, Shichang Song, Shicheng Ren, Xuexue Liang, Dongqi Wu, Liya Zhou* and Peican Chen*



1884

Influence of Mo concentration on the structural and electrochemical properties of double-doped Mo–Co–Ni₃S₂/NF composites

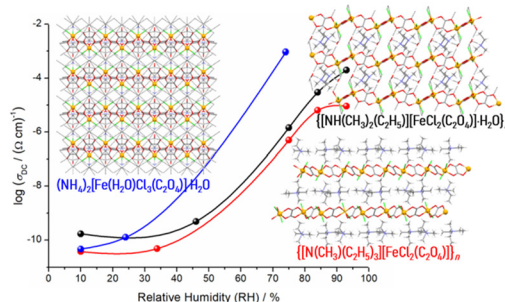
Muhammad Shoaib, Fen Qiao,* Xiangchao Xu, Taihang Zhou and Yanzhen Liu



1892

Proton transport in oxalate compounds of iron(III) containing (alkyl)ammonium cations: the influence of the density of hydrogen bonds on conductivity

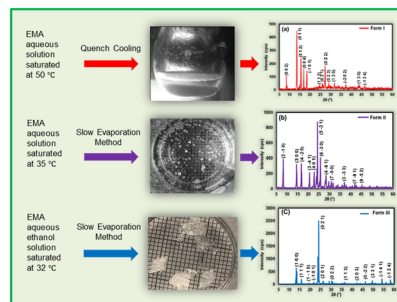
Ana Lozančić, Sanja Burazer, Sanja Renka, Krešimir Molčanov, Lidija Molčanov and Marijana Jurić*



1902

Nucleation control and separation of ethyl maltol polymorphs under different growth conditions through solution crystallization process in selected solvent environments

Anitha Thirumalaisamy and Srinivasan Karuppannan*



1912

Synthesis of an iron-based metal–organic framework with octahedral cages for the selective capture of sulfur hexafluoride

Hao Wang, Le Shi, Honghao Cao, Zhangyi Xiong, Si Ma, Jun Pan* and Zhijie Chen*

