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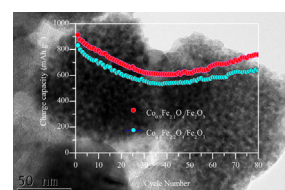
Graphical abstracts

Co_{1-x}Fe_{2+x}O₄ (x = 0.1, 0.2) anode materials for rechargeable lithium-ion batteries

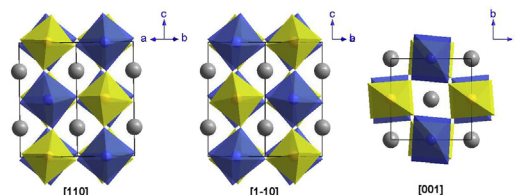
Alok Kumar Rai, Trang Vu Thi, Jihyeon Gim, Vinod Mathew, Jaekook Kim*

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**Synthesis, structure and dielectric properties of new ordering perovskites LnPbMgSbO₆ (Ln = La, Pr, Nd)**Lin Han^{a,b}, Yijia Bai^c, Xiaojuan Liu^{a,*}, Chuangang Yao^{a,b}, Junling Meng^{a,b}, Qingshuang Liang^{a,b}, Xiaojie Wu^a, Jian Meng^{a,*}^aState Key Laboratory of Rare Earth Resources Utilization, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, PR China^bUniversity of Chinese Academy of Sciences, Beijing 100049, PR China^cApplied Chemistry Department, Chemical Engineering College, Inner Mongolia University of Technology, Huhhot 010051, PR China

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**Quasi-hydrostatic X-ray powder diffraction study of the low- and high-pressure phases of CaWO₄ up to 28 GPa**R. Vilaplana^{a,*}, R. Lacomba-Perales^b, O. Gomis^a, D. Errandonea^b, Y. Meng^c^aCentro de Tecnologías Físicas, MALTA Consolider Team, Universitat Politècnica de València, 46022 València, Spain^bDepartamento de Física Aplicada-ICMUV, Universidad de Valencia, MALTA Consolider Team, Edificio de Investigación, C/Dr. Moliner 50, 46100 Burjassot, Spain^cHPCAT, Carnegie Institution of Washington, Bldg. 434E, 9700 S. Cass Avenue, Argonne, IL 60439, USA

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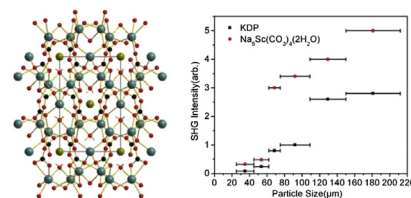


Syntheses, characterization and nonlinear optical properties of sodium–scandium carbonate $\text{Na}_3\text{Sc}(\text{CO}_3)_4 \cdot 2\text{H}_2\text{O}$

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Comparison of magnetocaloric properties of the $\text{Mn}_{2-x}\text{Fe}_x\text{P}_{0.5}\text{As}_{0.5}$ ($x = 1.0$ and 0.7) compounds

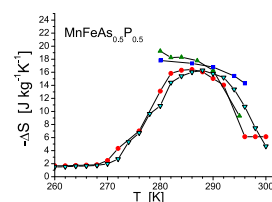
R. Szymczak^a, N. Nedelko^a, S. Lewińska^a, E. Zubov^{b,*}, A. Sivachenko^b, I. Gribanov^b, I. Radelytskyi^a, K. Dyakonov^c, A. Ślawska-Waniewska^a, V. Valkov^b, V. Varyukhin^b, V. Dyakonov^{a,b}, H. Szymczak^a

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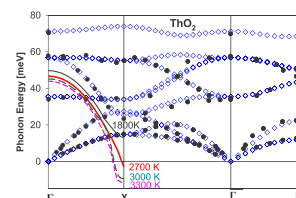
Theoretical investigation of structural and thermo-mechanical properties of thorium up to 3300 K temperature

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Triton-X mediated interconnected nanowalls network of cadmium sulfide thin films via chemical bath deposition and their photoelectrochemical performance

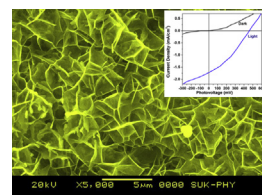
S.A. Vanalakar^{a,c}, S.S. Mali^b, E.A. Jo^a, J.Y. Kim^c, J.H. Kim^{a,*}, P.S. Patil^{b,*}

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