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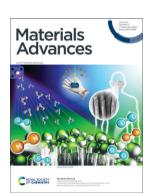
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EDITORIAL

Advanced functional materials and manufacturing processes

Jessica O. Winter,* Jawwad A. Darr* and John Wang*

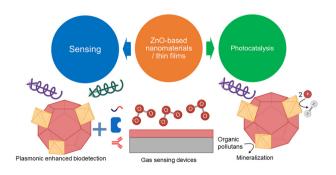


REVIEW

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ZnO-based nanomaterials approach for photocatalytic and sensing applications: recent progress and trends

Frank Güell,* Andrés Galdámez-Martínez, Paulina R. Martínez-Alanis, Ariadne C. Catto, Luís F. da Silva, Valmor R. Mastelaro, Guillermo Santana and Ateet Dutt*



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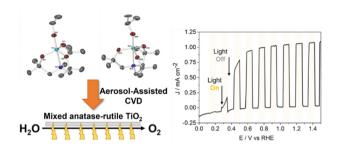


COMMUNICATION

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Aerosol-assisted chemical vapour deposition of highly efficient mixed anatase-rutile TiO₂ for photoelectrochemical water splitting

Thom R. Harris-Lee, Enrico Della Gaspera, Frank Marken, Jie Zhang, Cameron L. Bentley and Andrew L. Johnson*

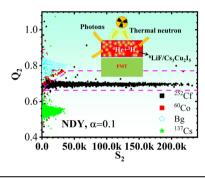


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Bright lead-free Cs₃Cu₂I₅ perovskite scintillators for thermal neutron detection

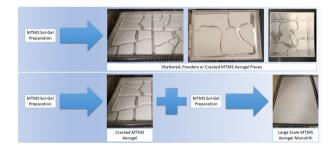
Lu Yao,* Wanting Gui, Xunsheng Zhou, Chao Li, Shi Zhang, Jing Kui Zhao and Cai Lin Wang*



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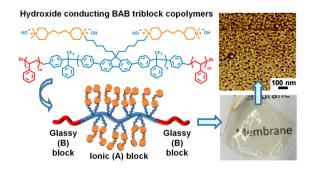
Large scale recyclable monolithic methyltrimethoxysilane aerogels formed by self-reinforcement

Gylen Odling,* Hannah Logan, Aaron Chan, Andrew J. Bissel, Colin R. Pulham and David E. Oliver



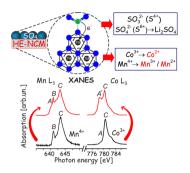
Hydroxide conducting BAB triblock copolymers tailored for durable high-performance anion exchange membranes

Andrit Allushi, Pegah Mansouri Bakvand, Haiyue Gong and Patric Jannasch*



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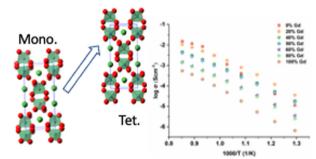
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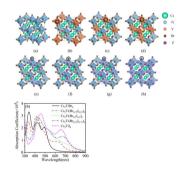
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Investigation of the crystal structure and electrochemical performance of Gd doped LaNb_{0.9}Mo_{0.1}O_{4.05}

Yidong Han and Stephen J. Skinner*

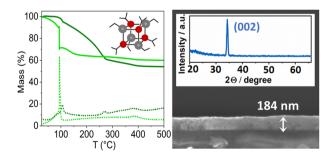
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The modulation of the electrical and optical properties of Cs₂TiBr₆ by doping

Jianwei Wei,* Junhua Wu, Yunyun Wang, Yuze Zhang, Zengwei Ma, Chenkai Qiao and Hui Zeng

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Self-textured ZnO via AACVD of alkyl alkoxides: a solution-based seed-less route towards optoelectronic-grade coatings

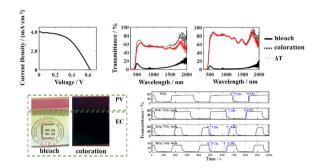
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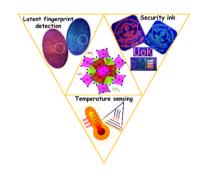
Panshu Gui, Ziyi Jin, Yufeng Bai, Zhenggiao Lv, Jianwei Mo, Shuai Chang and Di Yang*



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Delving into the multifunctionality of Sr₂NaMg₂V₃O₁₂ via RE³⁺ substitution for dual-mode temperature sensing, latent fingerprint detection and security inks

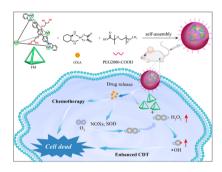
Amrithakrishnan Bindhu, Jawahar Isuhak Naseemabeevi and Subodh Ganesanpotti*



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Water-soluble ferrous metallacage combined with oxaliplatin for a synergistic chemo/chemodynamic therapy

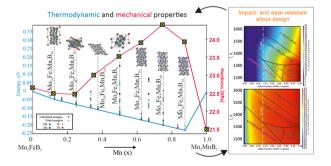
Jing He, Wei He, Run Wang, Jingjing Jiao* and Shiping Yang*



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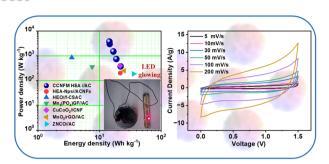
The thermodynamic and mechanical properties of Earth-abundant metal ternary boride Mo₂(Fe,Mn)B₂ solid solutions for impact- and wear-resistant alloys

Pavlo Prysyazhnyuk* and Devis Di Tommaso



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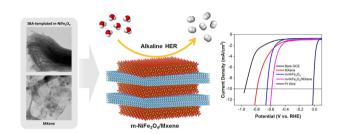
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High energy density liquid state asymmetric supercapacitor devices using Co-Cr-Ni-Fe-Mn high entropy alloy

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A SBA-15-templated mesoporous NiFe₂O₄/MXene nanocomposite for the alkaline hydrogen evolution reaction

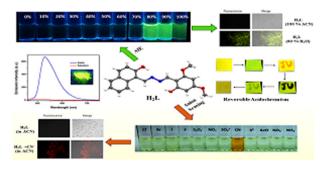
Munawar Khalil.* Michael Lesa, Alexander G. Juandito. Afiten R. Sanjaya, Tribidasari A. Ivandini, Grandprix T. M. Kadja, Muhammad Haris Mahyuddin, Mehran Sookhakian and Yatimah Alias

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MANUFACTURING PROCEDURE FOR FLEXIBLE PEROVSKITE SOLAR CELLS LOW-COST | LARGE SCALE DEPOSITION | AMBIENT ATMOSPHERE | LOW TEMPERATURE U U Uk 2D/3D perovskite 7.5 % 6.5 %

Fabrication of low-cost and flexible perovskite solar cells by slot-die coating for indoor applications

Cristina Teixeira, Rosinda Fuentes-Pineda, Luísa Andrade, Adélio Mendes and Dávid Forgács*



Naphthyl-azine - aggregation induced emission, reversible acidochromism, cyanide sensing and its application in intracellular imaging

Sukanya Paul, Kingshuk Debsharma, Sunanda Dey, Satyajit Halder, Kuladip Jana and Chittaranjan Sinha*

CORRECTIONS

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Correction: Solution-processed orange and white OLEDs sensitized by an electroactive pure organic room-temperature phosphorescent polymer

Yiting Tian, Renze He, Guoyun Meng,* Shumeng Wang,* Lei Zhao and Junqiao Ding*

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Correction: Large scale recyclable monolithic methyltrimethoxysilane aerogels formed by self-reinforcement

Gylen Odling,* Hannah Logan, Aaron Chan, Andrew J. Bissell, Colin R. Pulham and David E. Oliver