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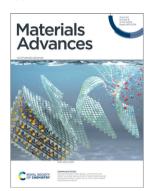
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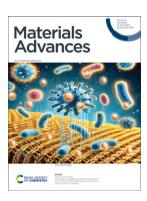
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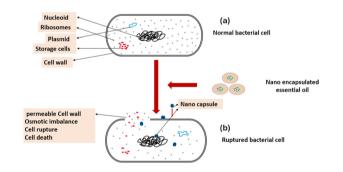
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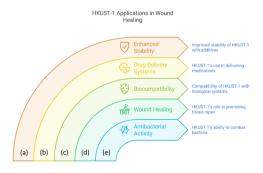
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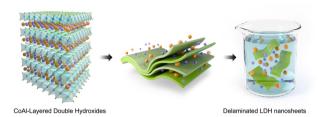
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Alkali-free single-step synthesis of delaminated layered double hydroxides in water via an amino acid-assisted hydrothermal method

Paulmanickam Koilraj, Rajathsing Kalusulingam, Kannan Srinivasan,* Keiko Sasaki* and Jun Ho Shim*



PAPERS

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Industrially compatible manufacturing process of wash-durable antimicrobial textiles using cuprous oxide-polymer composites

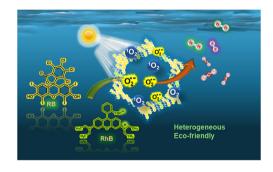
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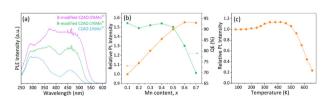
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Kamal Verma and K. R. Justin Thomas*

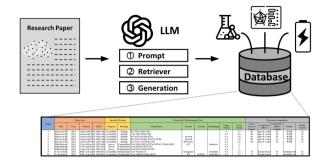


High-concentration Mn⁴⁺ doping in boron-modified $Ca_{14}Zn_6Al_{10}O_{35}$ – based phosphors: decoding superior luminescence performances

Jiquan Huang,* Ting Lv, Yuqing Lin, Zhonghua Deng, Zhuguang Liu and Wang Guo*



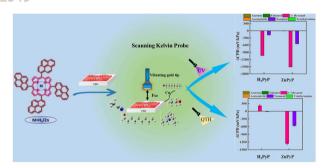
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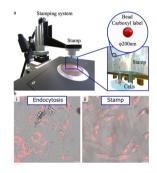
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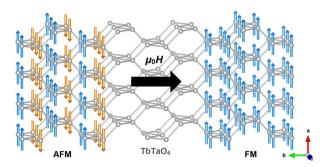
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Enhanced delivery of polymer beads into cells through arrayed metal nanotubes by the Soret effect

Kazuhiro Oyama, Bingfu Liu, Gábor Méhes and Takeo Miyake*

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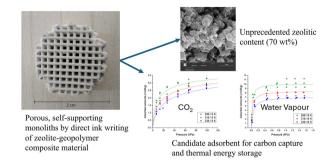
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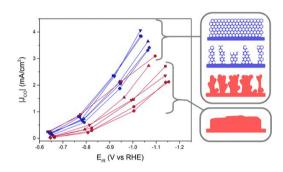
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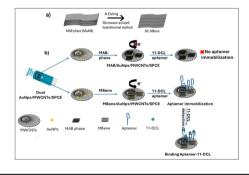
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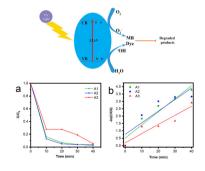
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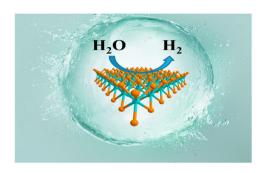
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Enhanced photocatalytic efficiency of eco-friendly synthesized ZnO for rapid full degradation of methylene blue dye

Mohammad Tashakkori Masuleh, Masood Hasheminiasari and Rouholah Ashiri*

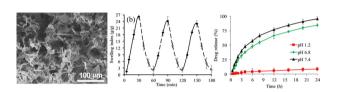


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2D monolayer molybdenum(IV) telluride TMD: an efficient electrocatalyst for the hydrogen evolution reaction

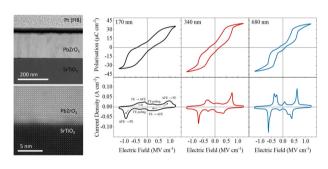
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A chia (Salvia hispanica L.) seed mucilage-based glucoxylan-grafted-acrylic acid hydrogel: a smart material for pH-responsive drug delivery systems

Maria Khatoon, Arshad Ali, Muhammad Ajaz Hussain,* Muhammad Tahir Haseeb, Gulzar Muhammad, Muhammad Sher, Syed Zajif Hussain, Irshad Hussain and Munawar Iqbal

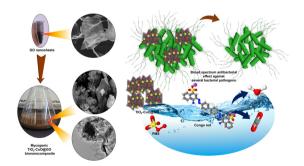
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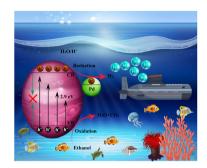
Synthesis of TiO₂-CuO@graphene oxide hybrid bionanocomposite with enhanced antibacterial and organic dye degradation activities

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Rectification of charges on r-TiO2 via Pd-cocatalysts and Schottky junctions to produce H₂ for green energy systems

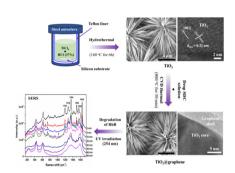
Ejaz Hussain,* Muhammad Jalil, Mehreen Qurban, Muhammad Zeeshan Abid, Muhammad Asif Khan, Minhas Nazir and Khezina Rafig*



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A new and facile preparation of 3D urchin-like TiO2@graphene core@shell SERS substrates for photocatalytic degradation of RhB

Nguyen Thi Huyen, Tran Ai Suong Suong, Cao Thi Thanh, Pham Van Trinh, Nguyen Van Tu, Bui Hung Thang, Tran Van Hau, Pham Thanh Binh, Vu Duc Chinh, Pham Van Hai, Vu Xuan Hoa, Tran Van Tan, Phan Ngoc Minh, Hiroya Abe and Nguyen Van Chuc*



CORRECTION

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Correction: High-performance BiVO₄ photoanodes: elucidating the combined effects of Mo-doping and modification with cobalt polyoxometalate

Fan Feng, Dariusz Mitoraj, Ruihao Gong, Dandan Gao, Mohamed M. Elnagar, Rongji Liu, Radim Beranek* and Carsten Streb*