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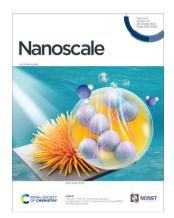


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See Mallar Ray et al., pp. 16268-16277.

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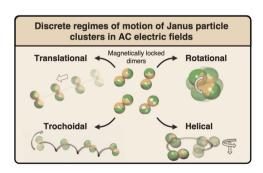


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Magnetically locked Janus particle clusters with orientation-dependent motion in AC electric fields

Jin Gyun Lee, Cooper P. Thome, Zoe A. Cruse, Arkava Ganguly, Ankur Gupta and C. Wyatt Shields, IV\*



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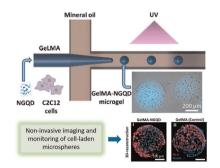
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## Nitrogen-functionalized graphene quantum dot incorporated GelMA microgels as fluorescent 3D-tissue Constructs

Aida Zahra Taravatfard, Carlos Ceballos-Gonzalez, Abu Bakar Siddique, Johana Bolivar-Monsalve, Masoud Madadelahi, Grissel Trujillo-de Santiago, Mario Moisés Alvarez, Ashit Kumar Pramanick, Eduardo Martinez Guerra, Lawrence Kulinsky, Marc J. Madou, Sergio O. Martinez and Mallar Ray\*



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## Ag decoration on Na<sub>2</sub>Ti<sub>3</sub>O<sub>7</sub> nanowires for improved SERS and PHE performance

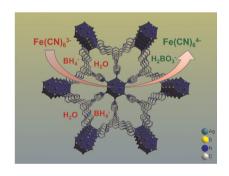
Lei Chen, Yang Jin,\* Shuang Guo, Eungyeong Park, Yunfei Xie\* and Young Mee Jung\*



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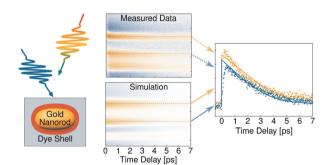
Riki Nakatani, Sourav Biswas, Tsukasa Irie, Jin Sakai, Daisuke Hirayama, Tokuhisa Kawawaki, Yoshiki Niihori, Saikat Das\* and Yuichi Negishi\*



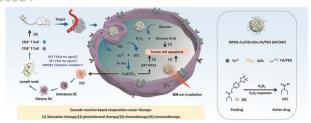
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Felix Stete, Matias Bargheer and Wouter Koopman\*



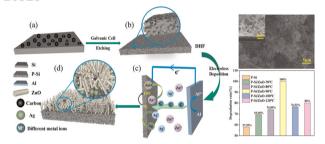
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# A cascade nanoplatform for the regulation of the tumor microenvironment and combined cancer therapy

Xiaochun Hu, Wenrong Zhao, Ruihao Li, Keke Chai, Fangjian Shang, Shuo Shi\* and Chunyan Dong\*

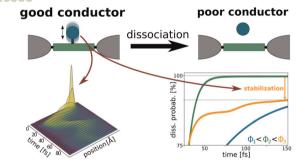
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Xiaoyu Yang, Lin Wu, Baoguo Zhang, Jingwang Li, Yifan Shen, Ying Liu\* and Ya Hu\*

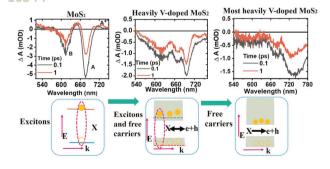
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## How an electrical current can stabilize a molecular nanojunction

André Erpenbeck,\* Yaling Ke, Uri Peskin and Michael Thoss

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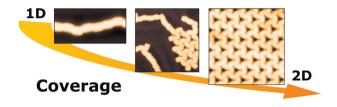
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Bhuvan Upadhyay, Rahul Sharma, Dipak Maity, Tharangattu N. Narayan and Suman Kalyan Pal\*

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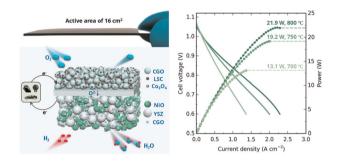
Alejandro Jiménez-Martín, Aurelio Gallardo\* and Bruno de la Torre\*



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Nanoengineering of electrodes via infiltration: an opportunity for developing large-area solid oxide fuel cells with high power density

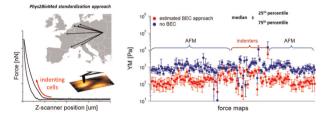
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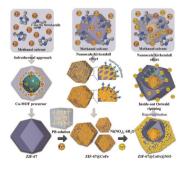
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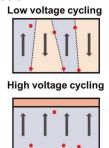
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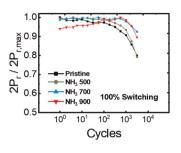
A multi-layer core-shell structure CoFe<sub>2</sub>O<sub>4</sub>@Fe<sub>3</sub>C@NiO composite with high broadband electromagnetic wave-absorption performance

Wei Si, Qingwei Liao,\* Yu Chu, Zhiwei Zhang, Xiangcheng Chu\* and Lei Qin\*



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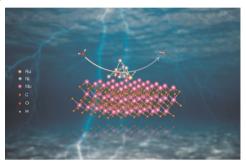




#### Impact of operation voltage and NH<sub>3</sub> annealing on the fatigue characteristics of ferroelectric AlScN thin films grown by sputtering

Kvuna Do Kim. Yona Bin Lee. Suk Hvun Lee. In Soo Lee. Seung Kyu Ryoo, Seung Yong Byun, Jae Hoon Lee and Cheol Seong Hwang\*

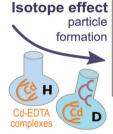
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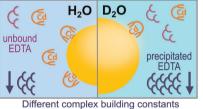


#### Regulation of the electronic structure of a RuNi/MoC electrocatalyst for high-efficiency hydrogen evolution in alkaline seawater

Xiaocheng Fan, Bei Li, Chunling Zhu,\* Feng Yan\* and Yujin Chen\*

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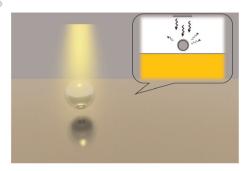


Different complex building constants Different colloidal stability Secondary growth process in D2O

#### The H-D-isotope effect of heavy water affecting ligand-mediated nanoparticle formation in SANS and NMR experiments

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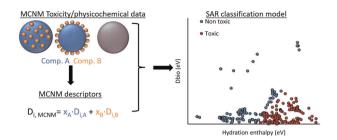
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Zhen Wang, Jinqiao Lu, Zilong Wang, Jie Huang, Le Wang, Qiang Chen, Yunfeng Li,\* Yongxing Jin\* and Pei Liang\*

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A structure-activity approach towards the toxicity assessment of multicomponent metal oxide nanomaterials

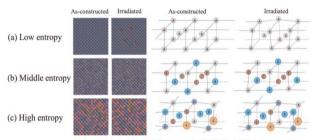
G. P. Gakis, I. G. Aviziotis and C. A. Charitidis\*



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#### Lattice distortion and re-distortion affecting irradiation tolerance in high entropy alloys

Peng-wei Wang, Ming-fei Li, Babafemi Malomo and Liang Yang\*

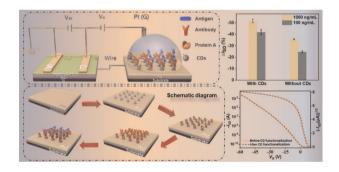


evolution of the (a)Ni (low entropy), (b) FeNiCr (middle entropy) and (c) FeNiCrCuAl (high entropy) models

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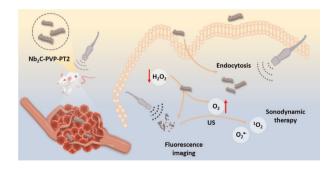
Yanmin Zhang, Chenfang Sun, Yuchen Duan, Shanshan Cheng\* and Wenping Hu



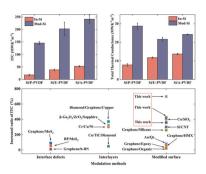
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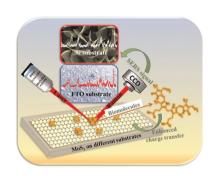
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#### Enhancing the interfacial thermal conductance of Si/PVDF by strengthening atomic couplings

Zhicheng Zong, Shichen Deng, Yangjun Qin, Xiao Wan, Jiahong Zhan, Dengke Ma and Nuo Yang\*

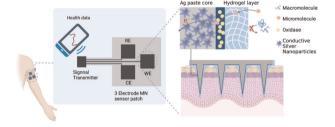
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Large area CVD-grown vertically and horizontally oriented MoS<sub>2</sub> nanostructures as SERS biosensors for single molecule detection

Ankita Singh and Ashish Kumar Mishra\*

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A nanometallic conductive composite-hydrogel core-shell microneedle skin patch for real-time monitoring of interstitial glucose levels

Yuyue Zhang, Guangyao Zhao, Mengjia Zheng, Tianli Hu, Cheng Yang\* and Chenjie Xu\*