

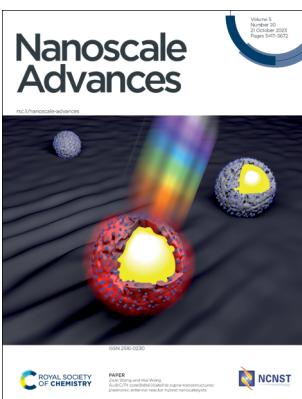
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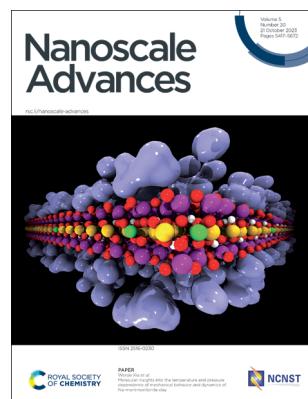
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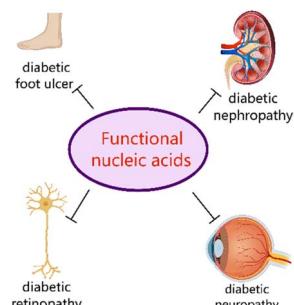
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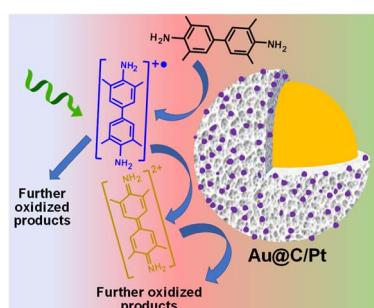


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Zixin Wang and Hui Wang\*



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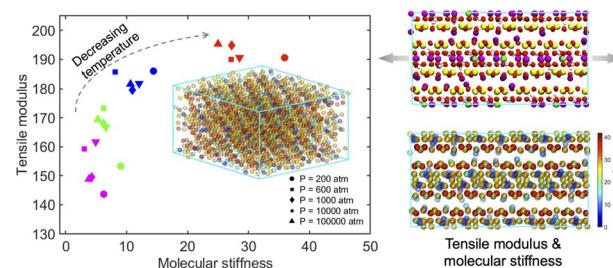


## PAPERS

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## Molecular insights into the temperature and pressure dependence of mechanical behavior and dynamics of Na-montmorillonite clay

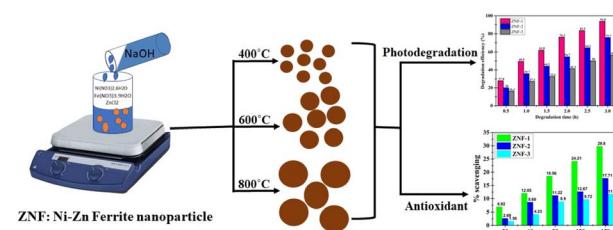
Sarah Ghazanfari, Amirhadi Alesadi, Yangchao Liao, Yida Zhang and Wenjie Xia\*



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## Nanocrystalline Ni–Zn spinel ferrites: size-dependent physical, photocatalytic and antioxidant properties

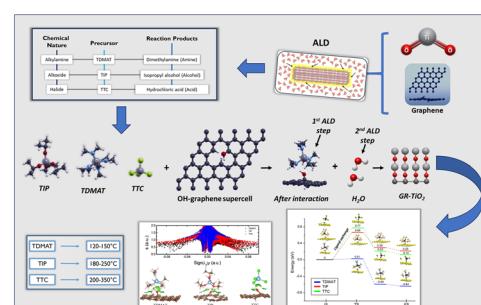
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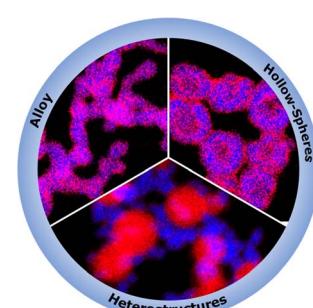
Jonathan E. Rodríguez-Hueso, H. A. Borbón-Nuñez\*, R. Ponce-Pérez, D. M. Hoat, N. Takeuchi, H. Tiznado and Jonathan Guerrero-Sánchez\*



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## Structural investigations of Au–Ni aerogels: morphology and element distribution

Johannes Kresse, Maximilian Georgi, René Hübner and Alexander Eychmüller\*



## PAPERS

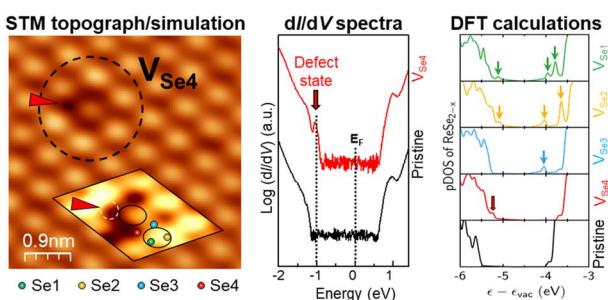
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## Novel preparation of metal-free carbon xerogels under acidic conditions and their performance as high-energy density supercapacitor electrodes

Karim Ahmed Abbas, Abdalla Abdelwahab,\* Hesham S. Abdel-Samad, Sayed Sabet Abd-El Rehim and Hamdy H. Hassan\*

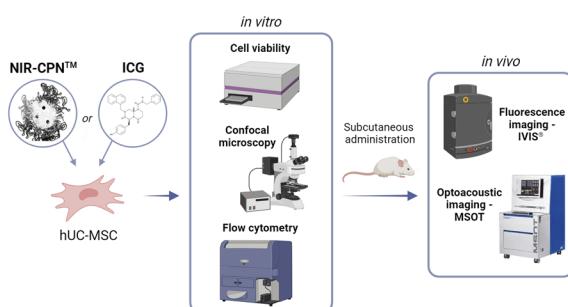
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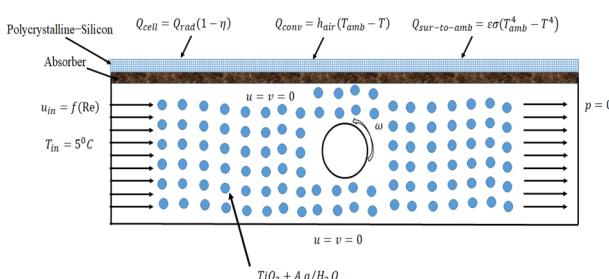
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## Investigation of a two-dimensional photovoltaic thermal system using hybrid nanofluids and a rotating cylinder

Mohammad Akram, Abid A. Memon, M. Asif Memon, A. M. Obalalu and Umair Khan\*

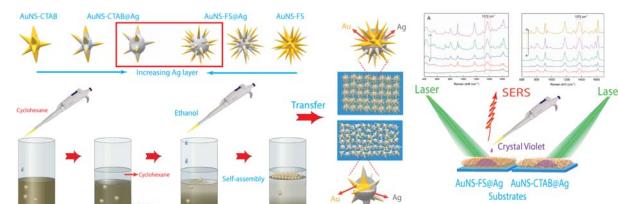


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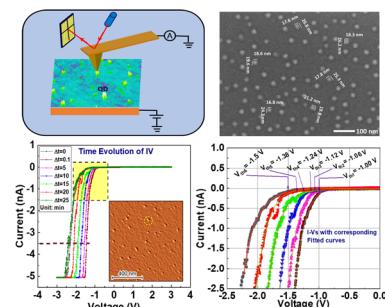
Sy Van Vu, Anh-Thu Nguyen, Anh-Thi Cao Tran, Viet-Ha Thi Le, Tien Nu Hoang Lo, Thi H. Ho, Nguyet. N. T. Pham, In Park\* and Khuong Quoc Vo\*



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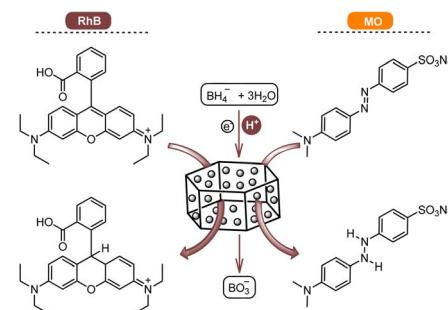
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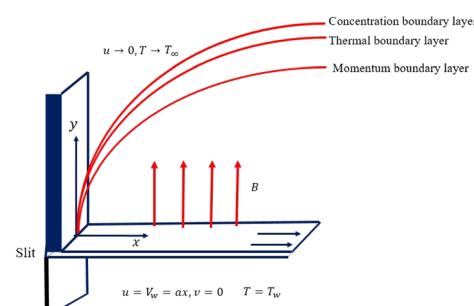
Hassan Keypour,\* Jamal Kouhdareh, Khadijeh Rabiei,\* Idris Karakaya, Rahman Karimi-Nami and Sedigheh Alavinia



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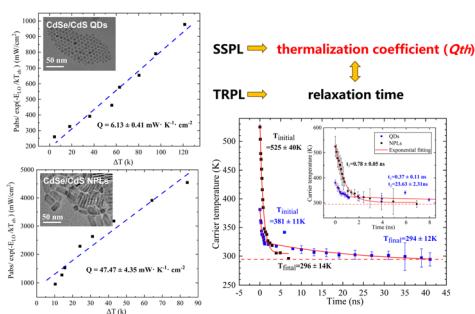
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Hashim, Sohail Rehman,\* Serhan Alshammari, Ahmed Osman Ibrahim and Naeem Ullah



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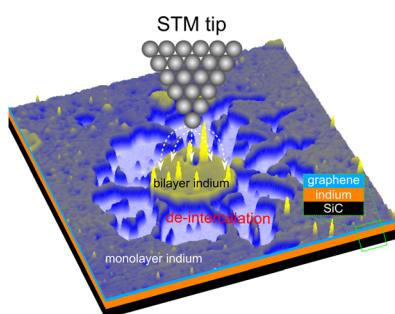
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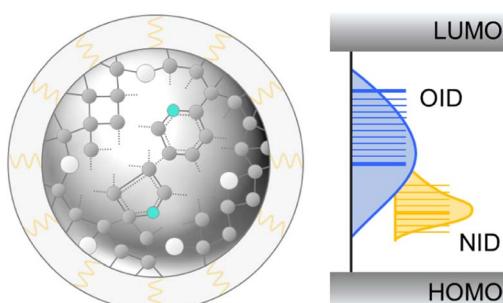
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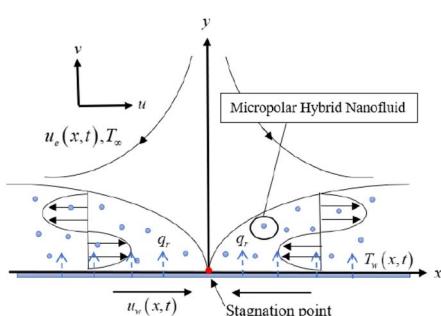
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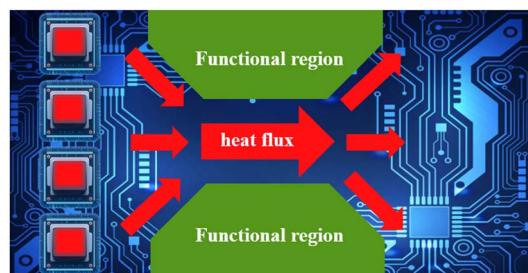


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**Heat flux concentrators based on nanoscale phononic metastructures**

Jian Zhang, Haochun Zhang,\* Weifeng Li and Gang Zhang\*

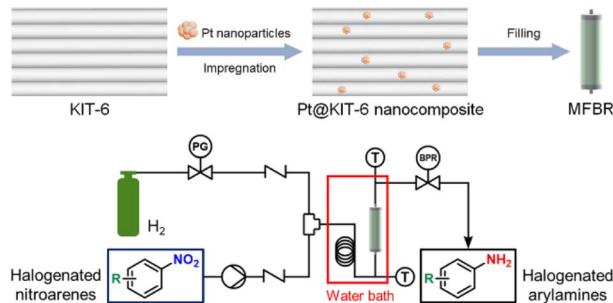


Functional regions are amorphous or perforated nanomesh

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Tingyu Xue, Fang Liu, Bin Lu, Qingrong Dong, Bin Zhao, Tianqing Chen, Kun Zhang, Jianguo Li\* and Jiangfeng Du\*

