Materials Horizons

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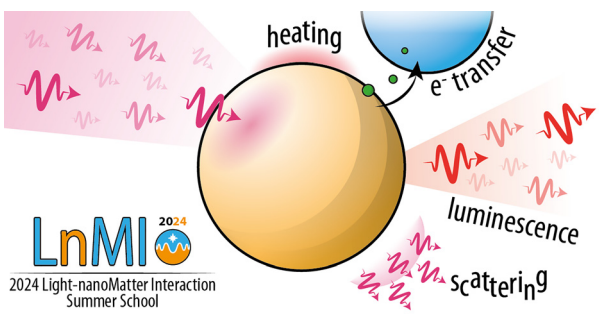
EDITORIALS



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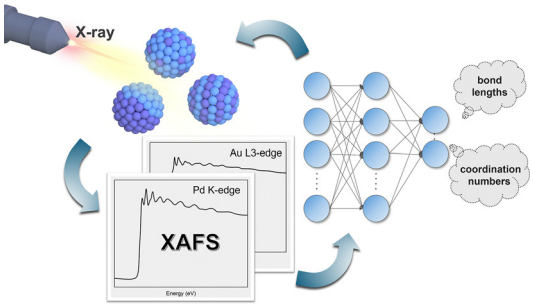

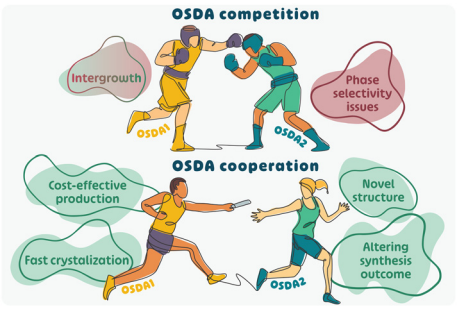

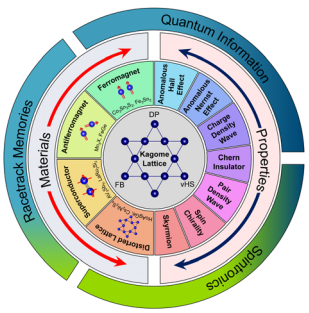

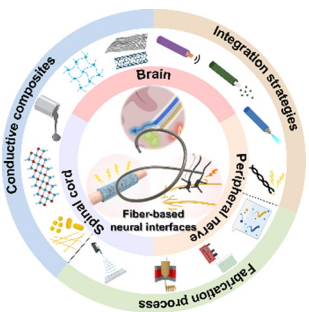

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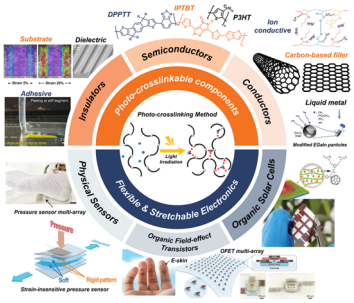
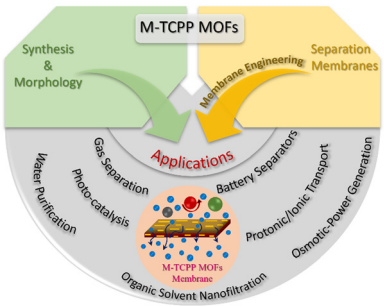


Photo-crosslinkable organic materials for flexible and stretchable electronics

Minsung Kim, Hayeong Park, Eunjin Kim, Minji Chung and Joon Hak Oh*



Porphyrinic metal–organic frameworks as separation membranes: from synthesis to advanced applications

Shabab Hussain, Xinsheng Peng* and Lei Wang*

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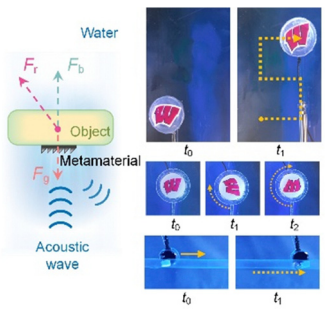
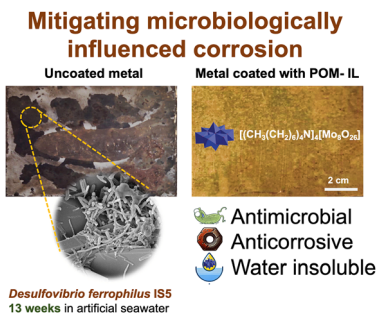


Acoustic metamaterials for remote manipulation of large objects in water

Dajun Zhang and Chu Ma*



Multifunctional polyoxomolybdate ionic liquid coatings for mitigating microbiologically influenced corrosion

Mariella Malefioudaki, Archismita Misra, Nadja Sbeity, Juan Zueco-Vincelle, Miguel A. Laguna-Bercero, Andrea Koerdt,* Rafael Martín-Rapún and Scott G. Mitchell*

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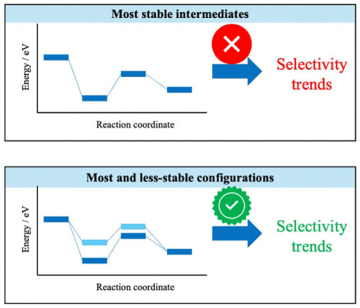

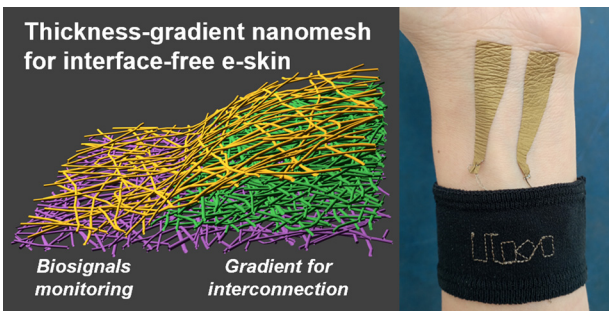

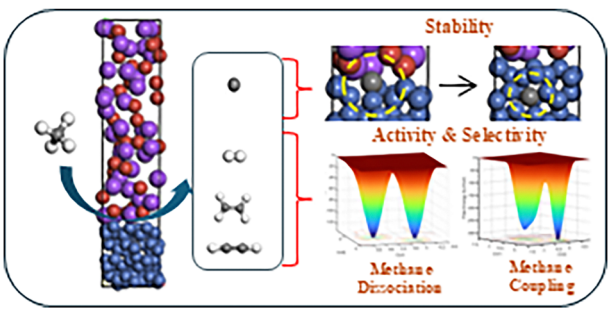

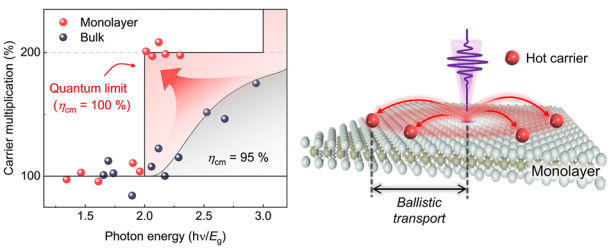

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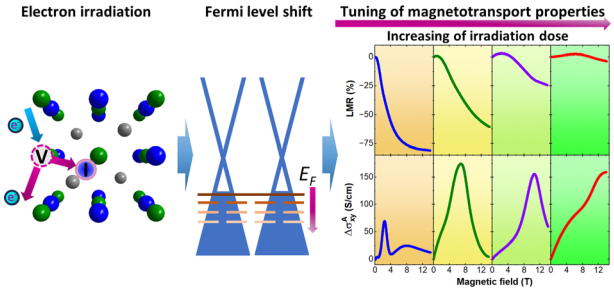

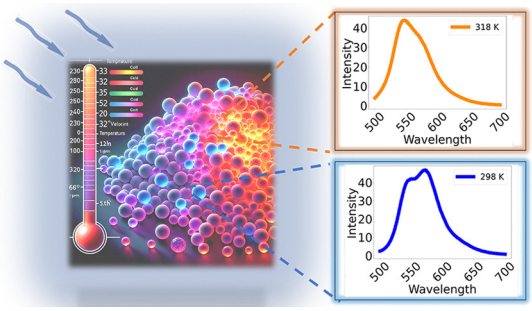

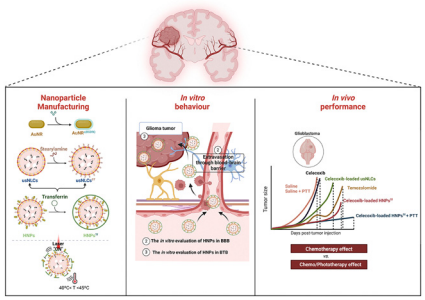

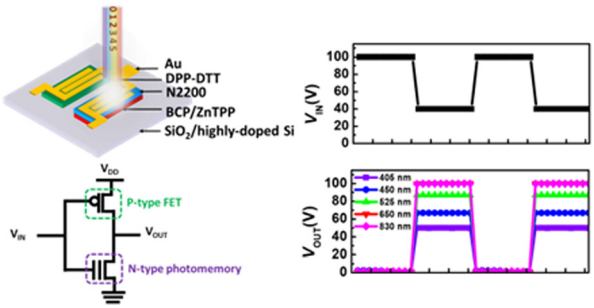

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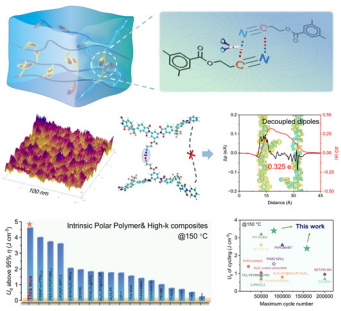

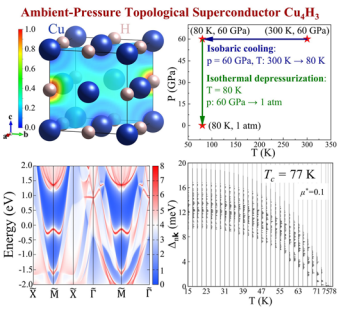

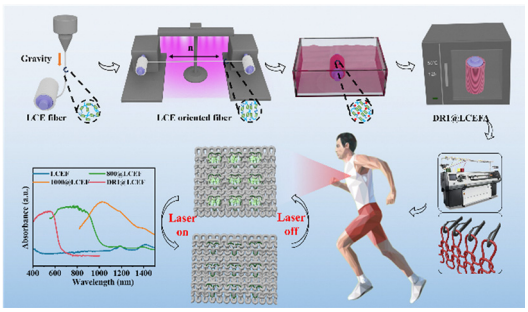

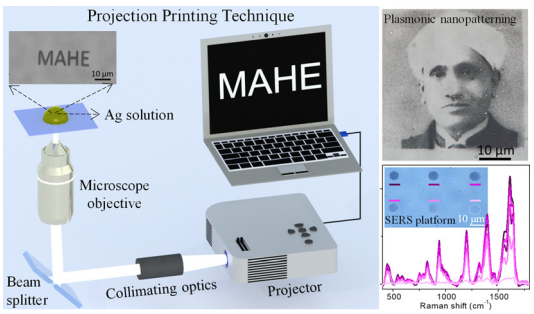

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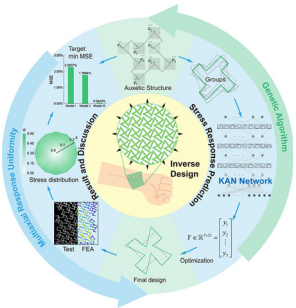
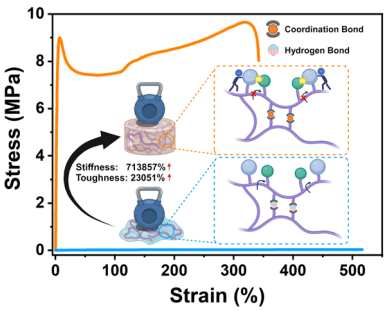


Inverse design of isotropic auxetic metamaterials *via* a data-driven strategy

Ertai Cao, Zhicheng Dong, Ben Jia and Heyuan Huang*



Molecular engineering of backbone rotation in an energy-dissipative hydrogel for combining ultra-high stiffness and toughness

Agniva Dutta,* Pintu Maity, Rajat Kumar Das* and Eyal Zussman*