

Nanoscale Horizons

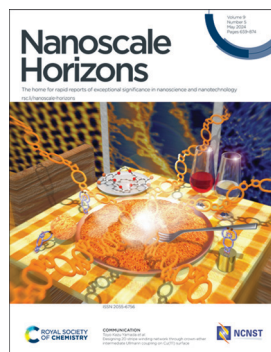
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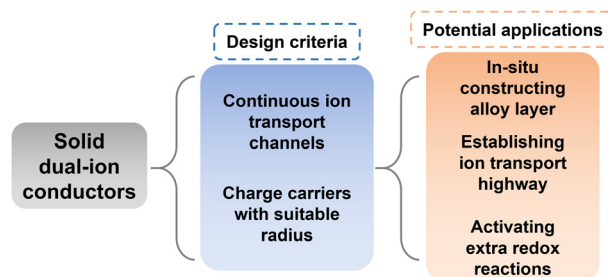
See Horacio Cabral *et al.*, pp. 731–741. Image reproduced by permission of Horacio Cabral from *Nanoscale Horiz.*, 2024, 9, 731.

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Dual-ion conductors: from liquid to solid

Tao Yu, Wenjie Ning, Haoyu Li, Shaohua Guo* and Haoshen Zhou*

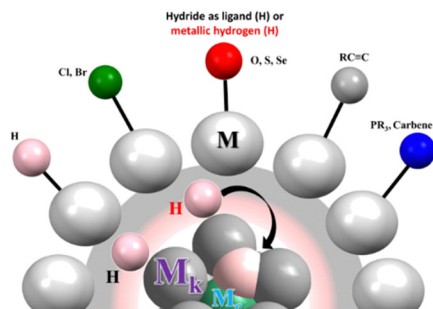


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Hydride-doped coinage metal superatoms and their catalytic applications

Tzu-Hao Chiu, Jian-Hong Liao, Rhone P. Brocha Silalahi, Michael N. Pillay and C. W. Liu*



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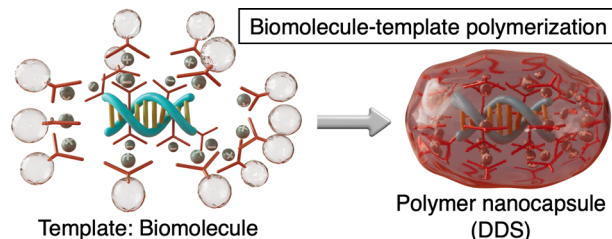


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Sub-100 nm carriers by template polymerization for drug delivery applications

P. K. Hashim* and Shimaa Said Mohamed Ali Abdrabou

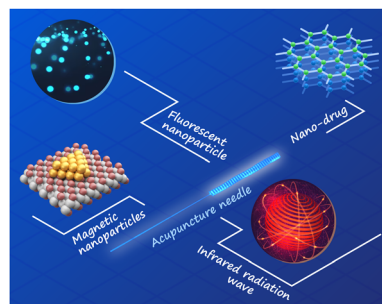


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Use of nano-enabled approaches to advance acupuncture therapy for disease management

Wenjie Xu, Yu Xiao, Peng Wang,* Huan Meng* and Qingquan Liu*



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Designing 2D stripe winding network through crown-ether intermediate Ullmann coupling on Cu(111) surface

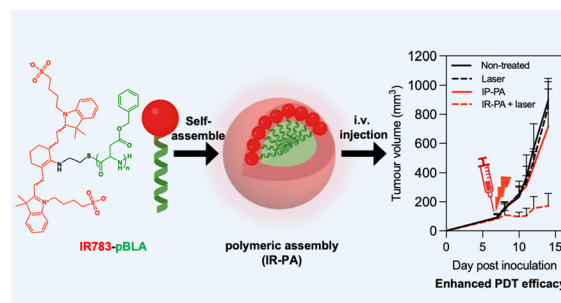
Toyo Kazu Yamada,* Ryohei Nemoto, Haruki Ishii, Fumi Nishino, Yu-Hsin Chang, Chi-Hsien Wang, Peter Krüger and Masaki Horie



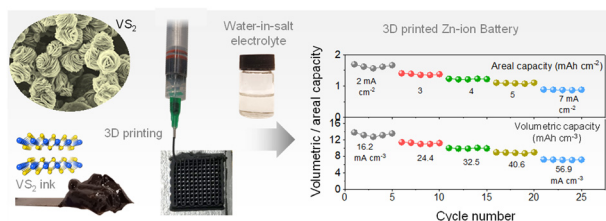
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Nanoassemblies of heptamethine cyanine dye-initiated poly(amino acid) enhance ROS generation for effective antitumour phototherapy

Pengwen Chen, Shangwei Li, Zhining Xu and Horacio Cabral*



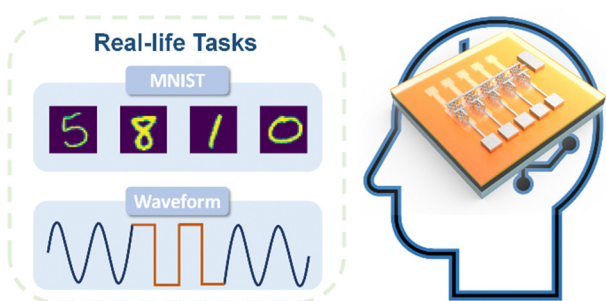
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3D printing of layered vanadium disulfide for water-in-salt electrolyte zinc-ion batteries

Stefano Tagliaferri, Goli Nagaraju, Maria Sokolikova, Rachael Quintin-Baxendale and Cecilia Mattevi*

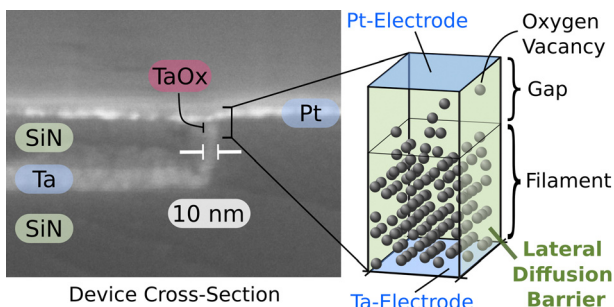
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Physical reservoirs based on MoS₂-HZO integrated ferroelectric field-effect transistors for reservoir computing systems

Lingqi Li, Heng Xiang, Hao-fei Zheng, Yu-Chieh Chien, Ngoc Thanh Duong, Jing Gao and Kah-Wee Ang*

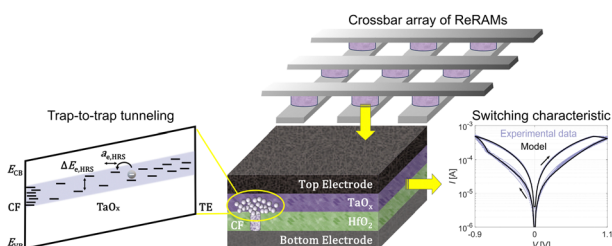
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Reliability effects of lateral filament confinement by nano-scaling the oxide in memristive devices

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Analytical modelling of the transport in analog filamentary conductive-metal-oxide/HfO_x ReRAM devices

Donato Francesco Falcone,* Stephan Menzel, Tommaso Stecconi, Matteo Galetta, Antonio La Porta, Bert Jan Offrein and Valeria Bragaglia

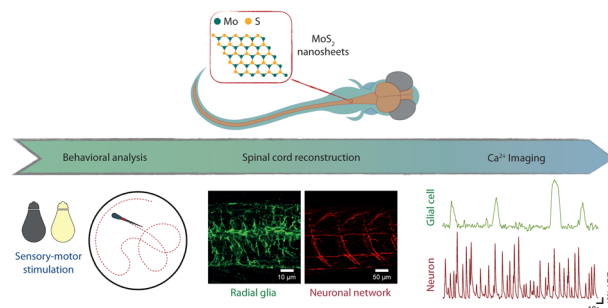


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MoS₂ 2D materials induce spinal cord neuroinflammation and neurotoxicity affecting locomotor performance in zebrafish

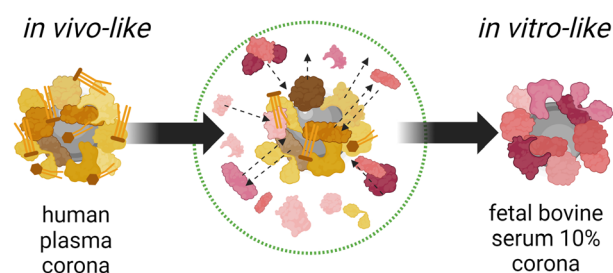
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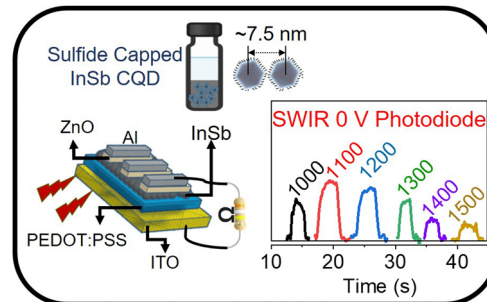
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Rational ligand design for enhanced carrier mobility in self-powered SWIR photodiodes based on colloidal InSb quantum dots

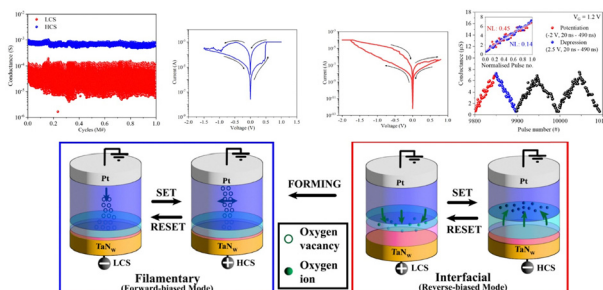
Subhashri Chatterjee, Kazuhiro Nemoto, Hong-Tao Sun and Naoto Shirahata*

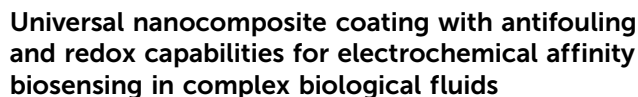


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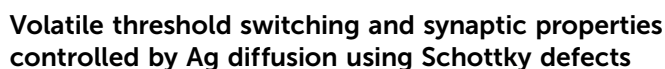
Unraveling the origins of the coexisting localized-interfacial mechanism in oxide-based memristors in CMOS-integrated synaptic device implementations

Eng Kang Koh, Putu Andhita Dananjaya, Han Yin Poh, Lingli Liu, Calvin Xiu Xian Lee, Jia Rui Thong, Young Seon You and Wen Siang Lew*

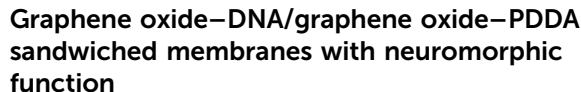




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