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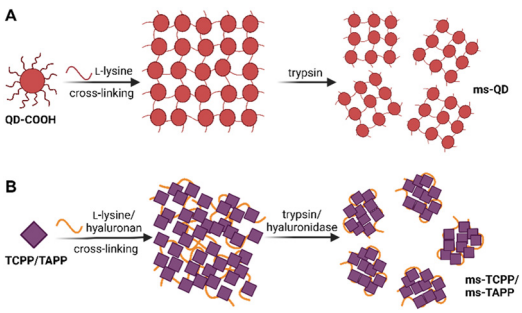
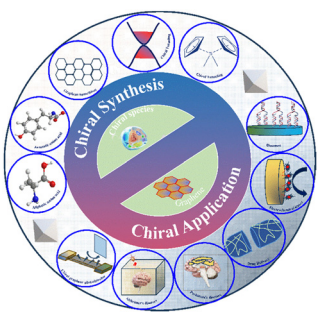
Cover
See Antonella Di Pizio, Melanie Koehler, David Alsteens *et al.*, pp. 1925–1937. Image reproduced by permission of David Alsteens from *Nanoscale Horiz.*, 2024, **9**, 1925.

Inside cover
See Tatsuhiko Imaoka *et al.*, pp. 1938–1947. Image reproduced by permission of Tatsuhiko Imaoka from *Nanoscale Horiz.*, 2024, **9**, 1938.

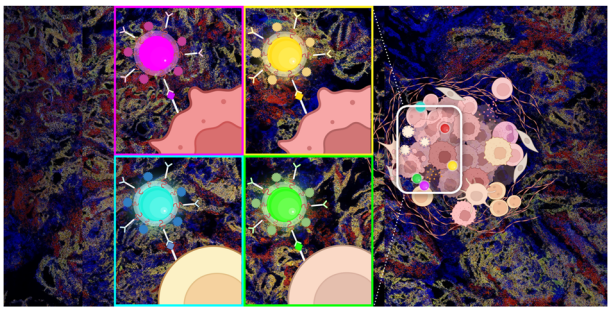
EDITORIAL



REVIEWS



REVIEWS



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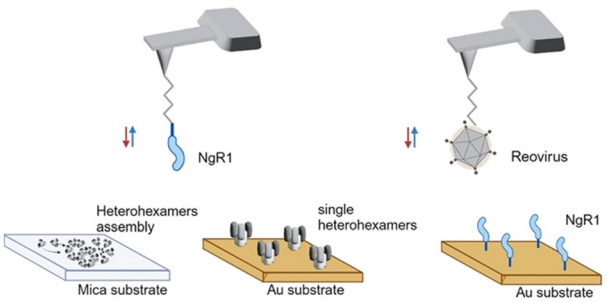
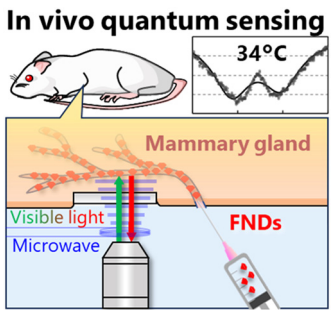
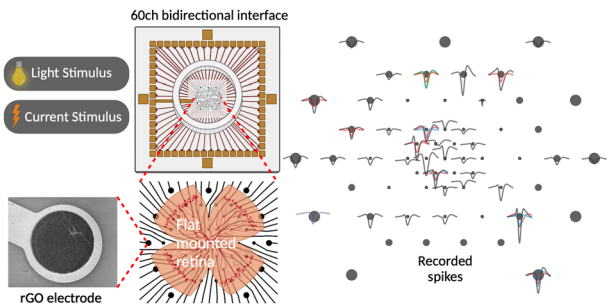
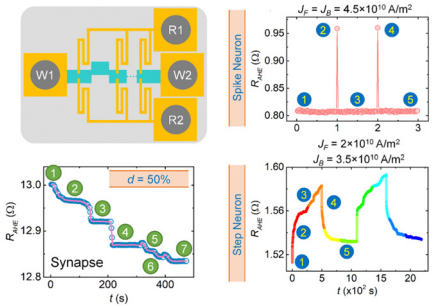






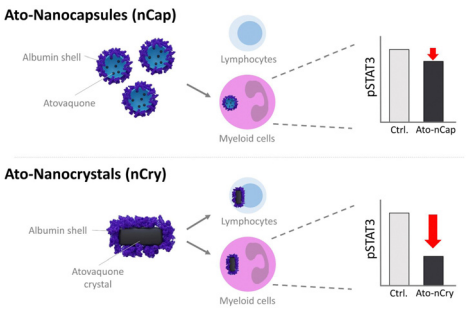
1962



Emulation of neuron and synaptic functions in spin–orbit torque domain wall devices

Durgesh Kumar, Ramu Maddu, Hong Jing Chung, Hasibur Rahaman, Tianli Jin, Sabpreet Bhatti, Sze Ter Lim, Rachid Sbiaa and S. N. Piramanayagam*

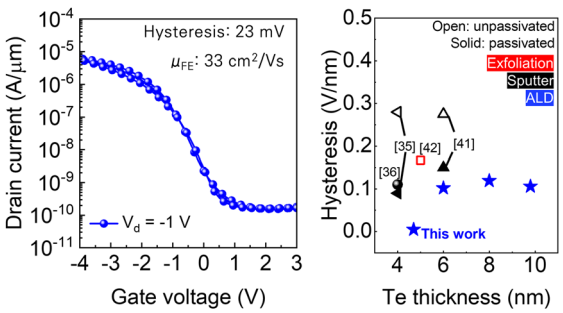
1978



Albumin nanocapsules and nanocrystals for efficient intracellular drug release

Sharafudheen Pottanam Chali, Jaana Westmeier, Franziska Krebs, Shuai Jiang, Friederike Pauline Neesen, Doğa Uncuer, Mario Schelhaas, Stephan Grabbe, Christian Becker, Katharina Landfester* and Kerstin Steinbrink*

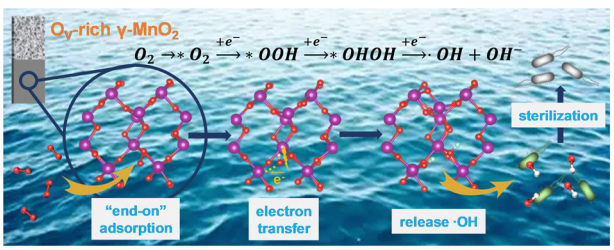
1990



Processes to enable hysteresis-free operation of ultrathin ALD Te p-channel field-effect transistors

Minjae Kim, Yongsu Lee, Kyuheon Kim, Giang-Hoang Pham, Kiyung Kim, Jae Hyeon Jun, Hae-won Lee, Seongbeen Yoon, Hyeon Jun Hwang, Myung Mo Sung and Byoung Hun Lee*

1999



O_V-rich γ-MnO_2 enhanced electrocatalytic three-electron oxygen reduction to hydroxyl radicals for sterilization in neutral media

Yingnan Qin, Tongzhu Han, Ligang Chen,* Kexin Yan, Jing Wang, Ning Wang* and Baorong Hou

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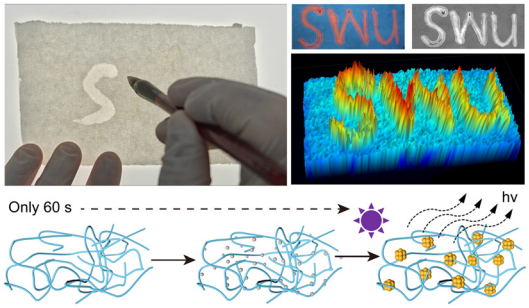
2007

Engineering *in situ* growth of Au nanoclusters on hydrophilic paper fibres for fluorescence calligraphy-based chemical logic gates and information encryption

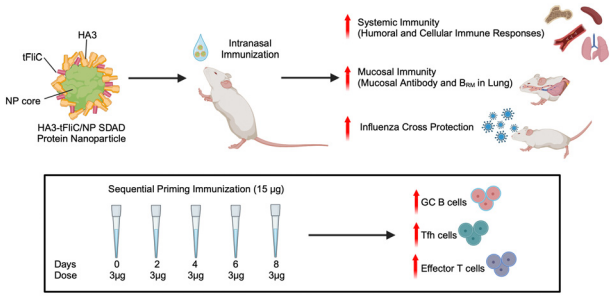
Jun Jiang Luo, Dun Ying Guo, Zi Bo Qu, Hong Qun Luo, Nian Bing Li, Hao Lin Zou* and Bang Lin Li*



2016

Double-layered protein nanoparticles conjugated with truncated flagellin induce improved mucosal and systemic immune responses in mice

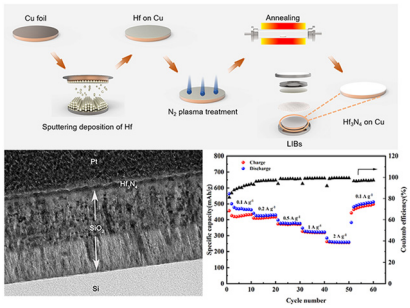
Joo Kyung Kim, Wandi Zhu, Chunhong Dong, Lai Wei, Yao Ma, Timothy Denning, Sang-Moo Kang and Bao-Zhong Wang*



2031

Facile preparation of Hf_3N_4 thin films directly used as electrodes for lithium-ion storage

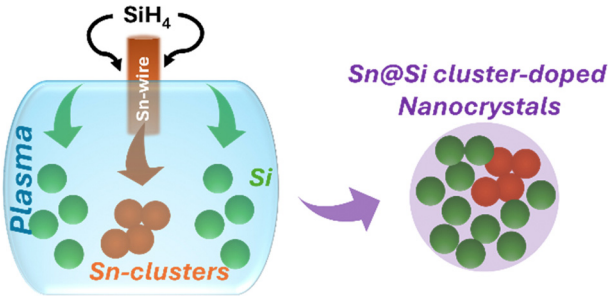
Zhengguang Shi, Geng Yu, Jing Li, Zhenggang Jia, Xuexi Zhang, Cheng-Te Lin, Qianru Lin, Zhaoyu Chen and Hsu-Sheng Tsai*



2042

Cluster-doping in silicon nanocrystals

Atta ul Haq, Marius Buerkle, Bruno Alessi, Vladimir Svrcek, Paul Maguire and Davide Mariotti*



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CORRECTIONS