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Nanoscale Horizons Emerging Investigator Series: Dr Siqi Li, Anhui University, China



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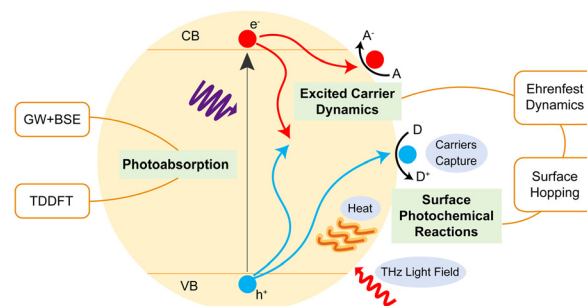


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Ab initio perspectives on surface photocatalysis: advances, challenges, and opportunities

Chang Gao, Youyou Tu, Zhan Shi, Lili Zhang, Weibin Chu, Qijing Zheng and Jin Zhao*

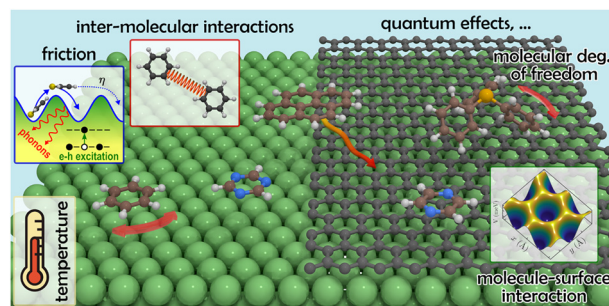


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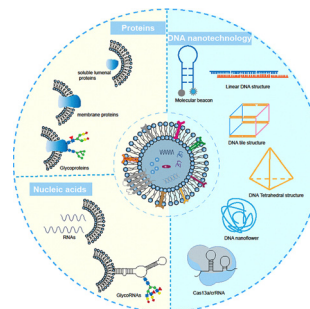
Anton Tamtögl* and Marco Sacchi



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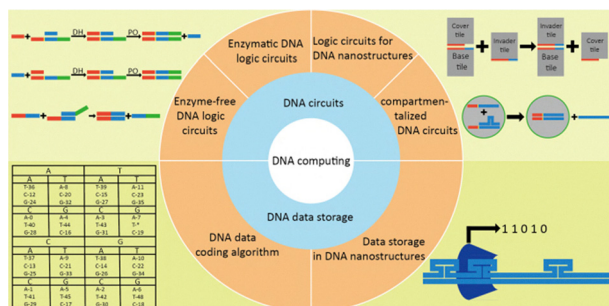
DNA nanotechnology-enabled bioanalysis of extracellular vesicles

Li Pan and Pengfei Wang*



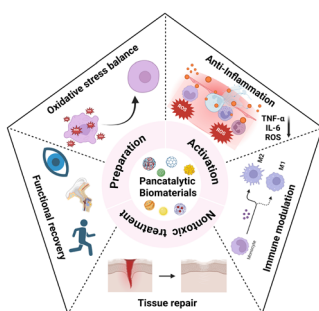
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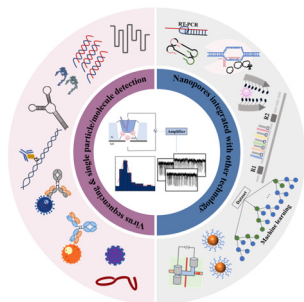
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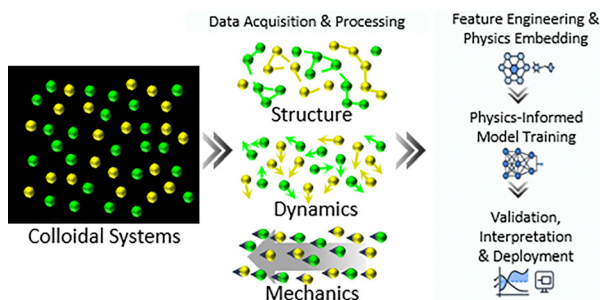
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Lingzhi Wu, Ke Qi, Wentao Yang, Guohao Xi, Jie Ma and Jing Tu*

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Namhee Kang, Yeonsoo Joo, Hyosung An and Hyerim Hwang*

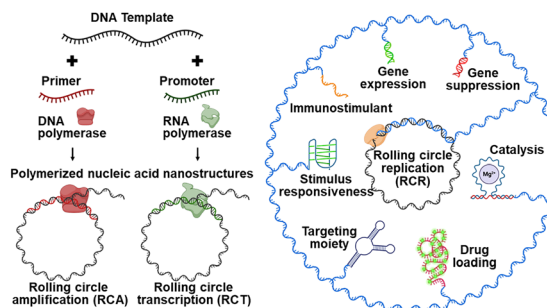


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Rolling circle replication based nucleic acid nanostructures for programmable drug delivery

Kyungjik Yang, Keonwook Nam, Kyung Hoon Park, Hae Kyung Shin, Yeongmok Kim and Young Hoon Roh*

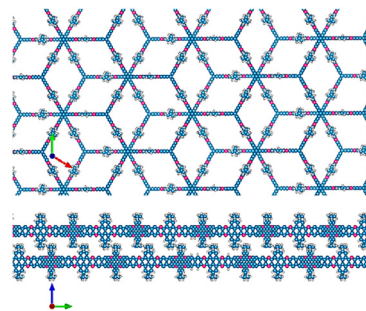


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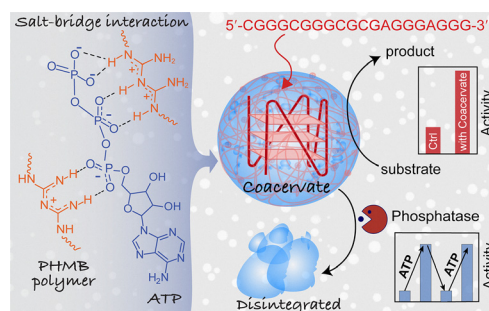
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Adaptive catalytic compartments emerge from synergistic integration of DNA nanostructures and transient coacervates

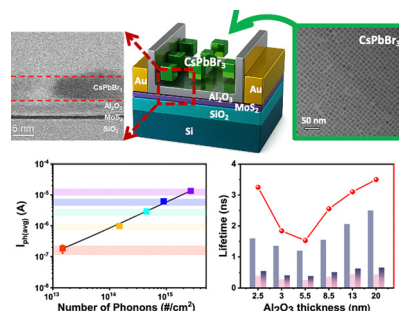
Abhay Srivastava, Parth Kumar, Mathesh Punugusamy, Sourav Das and Subinoy Rana*



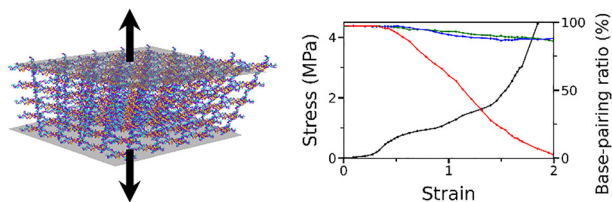
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Multilevel storage and linear optoelectronic response in mixed-dimensional photomemories

Chen-Yo Tsai, Dun-Jie Jhan, Che-Ming Wu, Ming-Pei Lu* and Ming-Yen Lu*



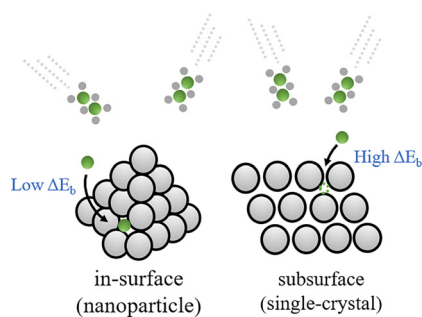
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Understanding the structural mechanics of ligated DNA crystals *via* molecular dynamics simulation

Yoo Hyun Kim, Anirudh S. Madhvacharyula, Ruixin Li, Alexander A. Swett, Seongmin Seo, Emile J. Batchelder-Schwab, Naseem Siraj, Chengde Mao and Jong Hyun Choi*

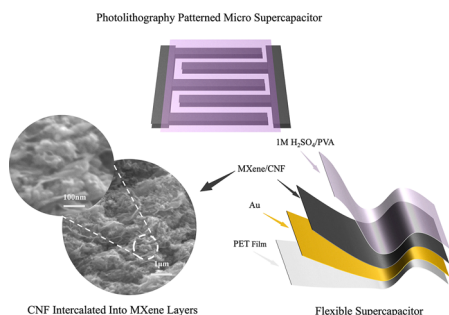
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Boron atom incorporation into metal nanoparticles

Jie Zhao, Fernando Buendia-Zamudio and Sergey M. Kozlov*

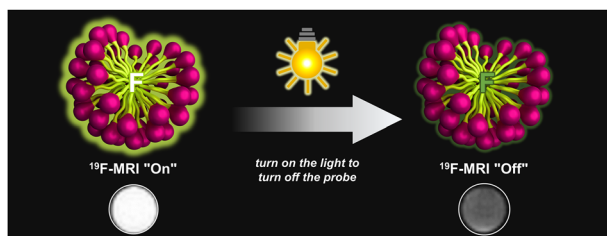
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Flexible MXene–cellulose nanofiber based all-solid-state supercapacitors with high volumetric capacitance

Yongzan Zhou, Youchao Teng,* Huicong Liu* and Yimin Wu*

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Light-triggered quenching of the ^{19}F -MRI signal from micelle-encapsulated PERFECTA

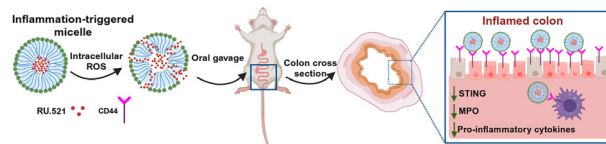
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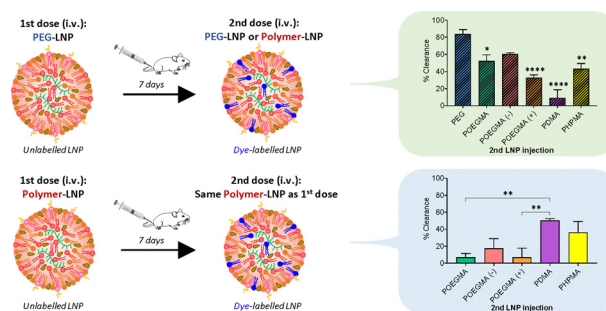
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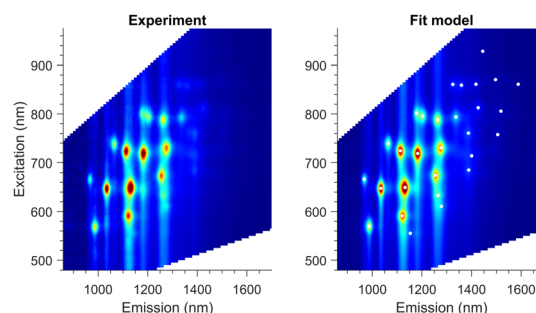
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Quantitative 2D fitting of fluorescence-excitation maps: excitation lineshape of single-wall carbon nanotubes

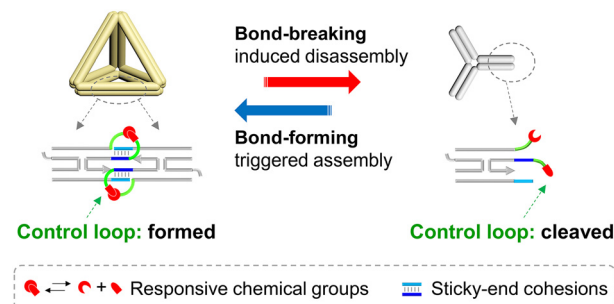
Sofie Cambré, Wouter Van Werveke, Miguel De Clercq, Maksiem Erkens, Miles Martinati and Wim Wenseleers*



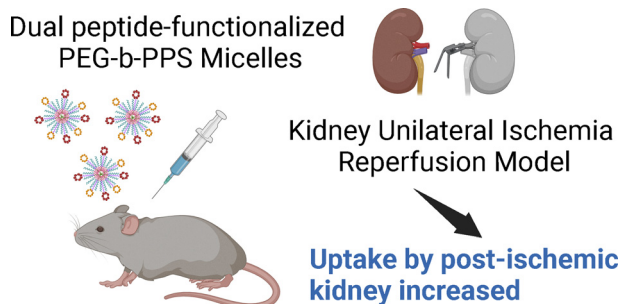
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Rational design of dynamic DNA self-assembly through a responsive-bond-embedded loop

Zhiyuan Zhu, Mengzhou Wei and Yulin Li*



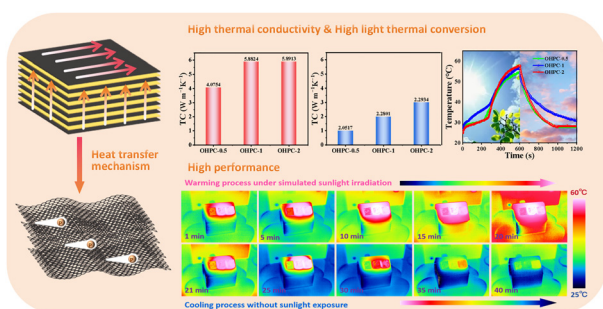
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Enabling organ- and injury-specific nanocarrier targeting *via* surface-functionalized PEG-*b*-PPS micelles for acute kidney injury

Boaz Y. Bishop, Swagat H. Sharma, Ratnakar Tiwari, Simseok A. Yuk, Sultan Almunif, Susan E. Quaggin, Evan A. Scott* and Pinelopi P. Kapitsinou*

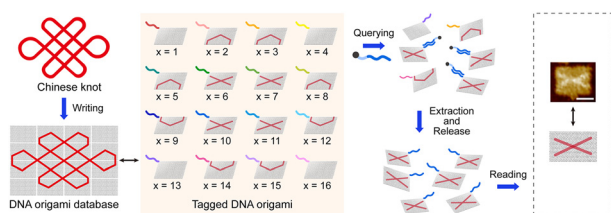
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Highly-oriented graphite/polyimide-carbon nanotube supported composite phase change materials with high thermal conductivity and photothermal conversion performance

Yingying Tian, Jun Tong, Xingang Yu, Tianqi Zhao, Rui Wang and Xiubing Huang*

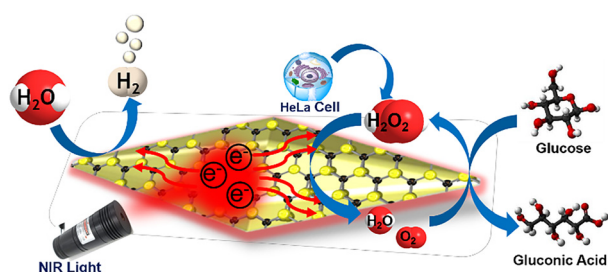
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Structure-based DNA memory with Boolean random access

Yanyu Zhou, Lanyang Gao, Chu Jiang, Yuxi Li, Qi Liu, Chengguo Xu, Yingying Liu, Huajie Liu* and Yinan Zhang*

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Anisotropic Au nanobipyramids with molybdenum disulfide for plasmon-enhanced electrocatalysis, biosensing and energy production

Durgadas Datta, Ramakanta Mondal, Ram Chandra Maji, Subin Yu, Dong-Il Won, Dong Ha Kim* and Swarup Kumar Maji*



CORRECTION

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Correction: Ultrathin DNA–copper nanosheets with antibacterial and anti-biofilm activity for treatment of infected wounds

Fangfang Chen, Mengyan Lei, Jing Luo, Jiaqi Li, Jinfang Wang, Nan Zhang, Xinyi Li, Nan Jia, Xiangyuan Ouyang* and Huaiyu Bu*

