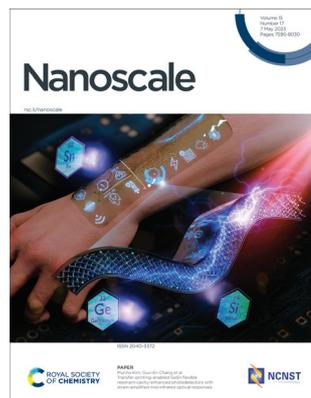


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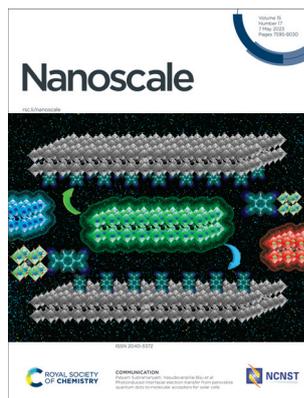
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See Munho Kim, Guo-En Chang *et al.*, pp. 7745–7754.

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See Palyam Subramanyam, Vasudevanpillai Biju *et al.*, pp. 7695–7702.

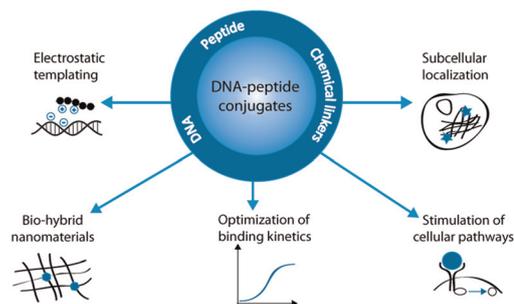
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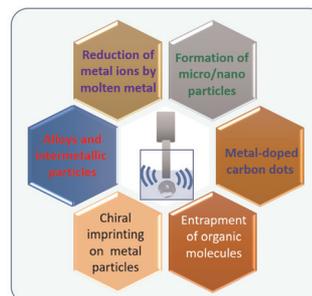
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Vijay Bhooshan Kumar, Aharon Gedanken and Ze'ev Porat\*



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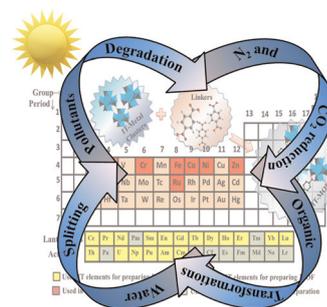


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Jayashree Panda, Suraj Prakash Tripathy, Srabani Dash, Asheli Ray, Pragyandeepi Behera, Satyabrata Subudhi and Kulamani Parida\*

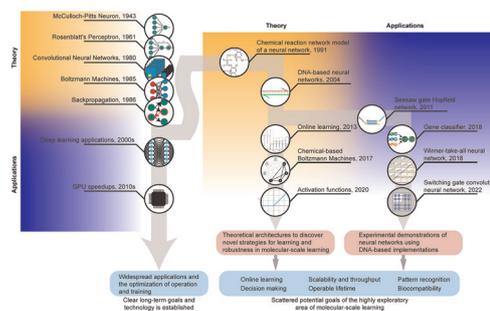


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## A survey on molecular-scale learning systems with relevance to DNA computing

Rajiv Teja Nagipogu,\* Daniel Fu\* and John H. Reif

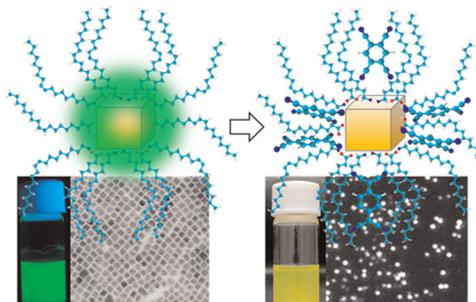


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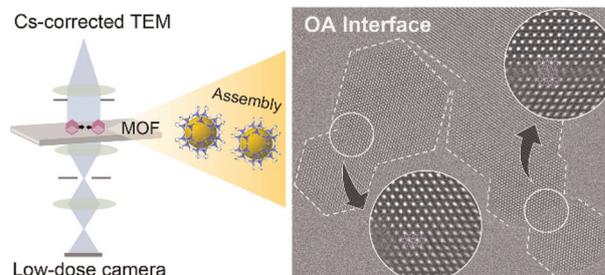
Bhagyashree Mahesha Sachith, Zhijing Zhang, Palyam Subramanyam,\* Challapalli Subrahmanyam, Akihiro Furube, Naoto Tamai, Takuya Okamoto, Hiroaki Misawa and Vasudevanpillai Biju\*



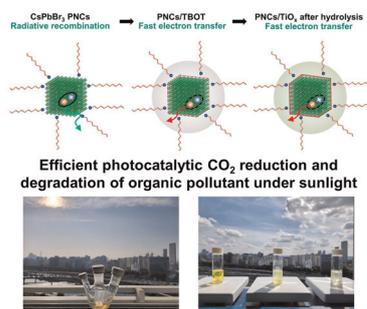
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## Oriented attachment interfaces of zeolitic imidazolate framework nanocrystals

Xiaocang Han, Rui Su, Wenqian Chen, Qi Han, Yuan Tian, Jihui Han, Xiaodong Wang, Shuangxi Song, Kolan Madhav Reddy, Hexiang Deng, Pan Liu\* and Mingwei Chen\*



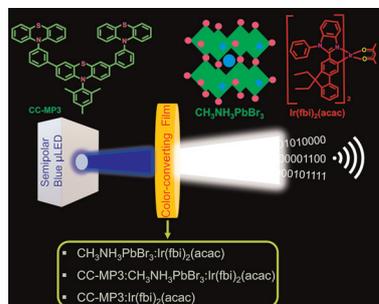
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Tae Hyung Kim, Inho Park, Kyeong Ho Lee, Jin-Han Sim, Min-Ho Park, Tae-Hee Han, Ungyu Paik, Jaeyoung Jang,\* Ho Bum Park\* and Young-Hoon Kim\*

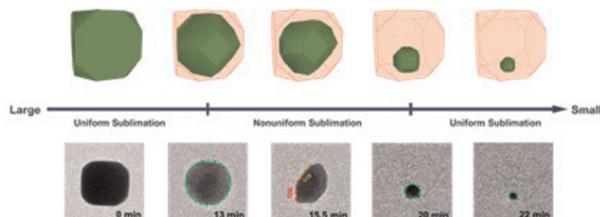
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### High bandwidth semipolar (20–21) micro-LED-based white light-emitting diodes utilizing perovskite quantum dots and organic emitters in color-conversion layers for visible light communication and solid-state lighting applications

Annada Sankar Sadhu, Yi-Hua Pai, Li-Yin Chen,\* Chung-An Hsieh, Hao-Wu Lin and Hao-Chung Kuo\*

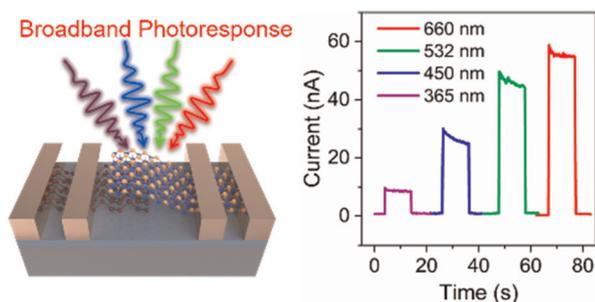
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### Probing the sublimation kinetics of Ag, Ag@TiO<sub>2</sub>, and Ag@C nanoparticles

Hao-Chin Huang, Kai-Yuan Hsiao, Yu-Han Tseng, Yan-De Chen and Ming-Yen Lu\*

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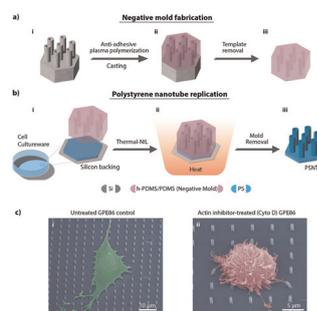
Yafei Yan, Minxin Li, Kai Xia, Kemeng Yang, Dun Wu, Liang Li, Guangtao Fei\* and Wei Gan\*



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Hao Zhe Yoh, Yaping Chen,\* Ali-Reza Shokouhi, Helmut Thissen, Nicolas H. Voelcker\* and Roey Elnathan\*

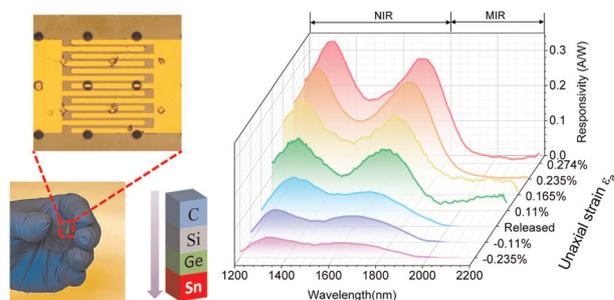


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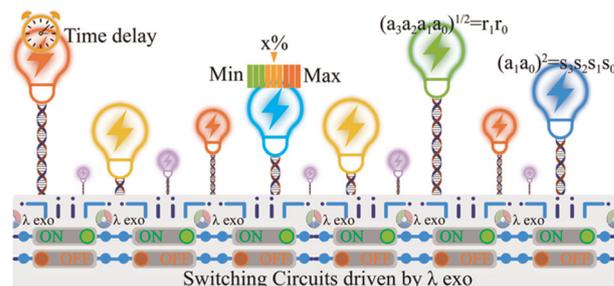
Yeh-Chen Tai, Shu An, Po-Rei Huang, Yue-Tong Jheng, Kuo-Chih Lee, Hung-Hsiang Cheng, Munho Kim\* and Guo-En Chang\*



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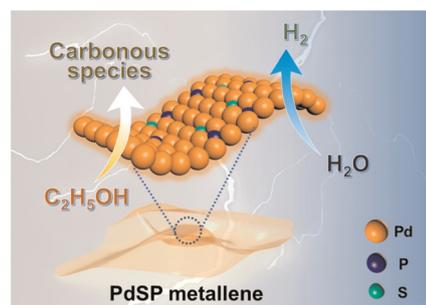
Xin Liu, Xun Zhang, Yao Yao, Peijun Shi, Chenyi Zeng and Qiang Zhang\*



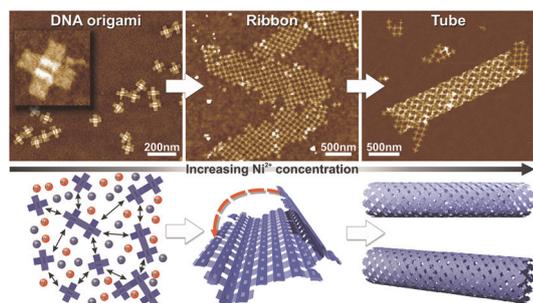
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Hongjing Wang, Yanan Guo, Qiqi Mao, Hongjie Yu, Kai Deng, Ziqiang Wang, Xiaonian Li, You Xu\* and Liang Wang\*



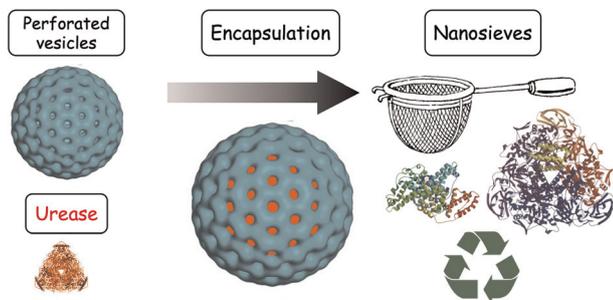
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Johannes M. Parikka, Heini Järvinen, Karolina Sokołowska, Visa Ruokolainen, Nemanja Markešević, Ashwin K. Natarajan, Maija Vihinen-Ranta, Anton Kuzyk, Kosti Tapio\* and J. Jussi Toppari\*

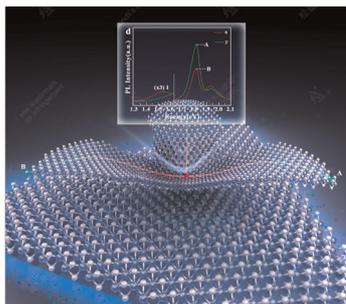
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### Fluorinated dendritic amphiphiles, their stomatosome aggregates and application in enzyme encapsulation

Tiffany Guitton-Spasky, Florian Junge, Abhishek Kumar Singh, Boris Schade, Katharina Achazi, Marta Maglione, Stephan Sigrist, Rashmi Rashmi and Rainer Haag\*

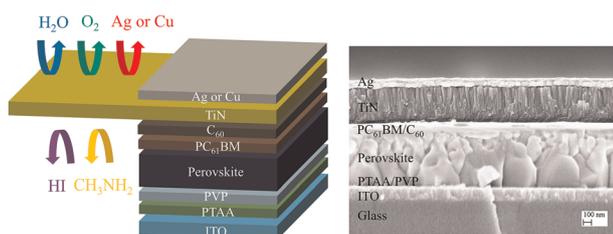
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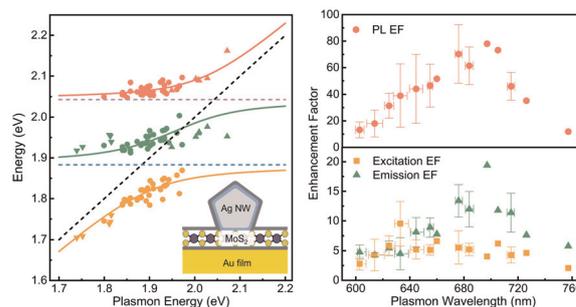
Tian Sun, Tong Chen, Jiahao Chen, Qiang Lou, Zihao Liang, Guijun Li,\* Xiaoyun Lin, Guoshen Yang and Hang Zhou\*



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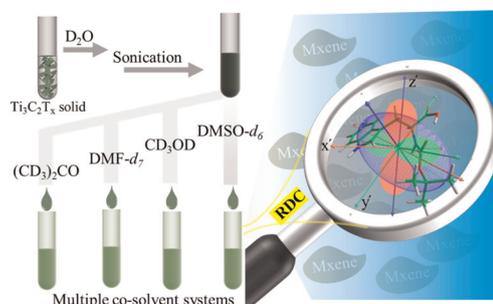
Wenjun Zhang, Long Gao, Xiaohong Yan, Hongxing Xu\* and Hong Wei\*



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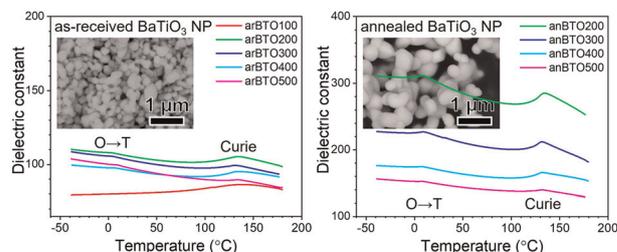
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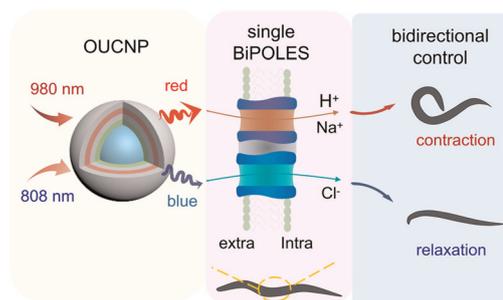
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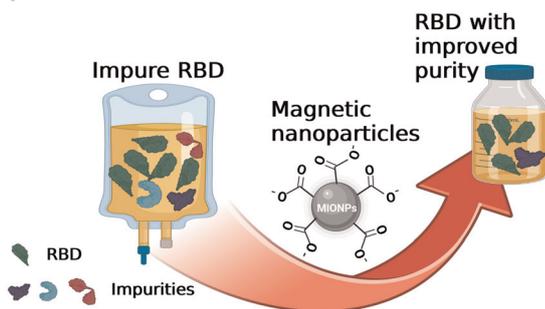
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Jingxuan Guo, Lili Chen, Feihong Xiong, Yongning Zhang, Ruipeng Wang, Xuefei Zhang, Quan Wen, Shangbang Gao\* and Yan Zhang\*



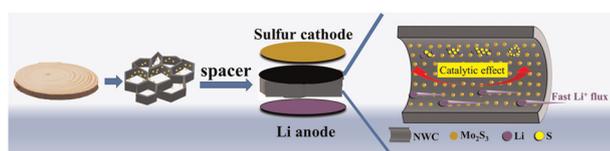
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### Efficient capture of recombinant SARS-CoV-2 receptor-binding domain (RBD) with citrate-coated magnetic iron oxide nanoparticles

D. A. González-Martínez,\* G. González Ruíz,\* C. Escalante-Bermúdez, J. A. García Artalejo, T. Gómez Peña, J. A. Gómez, E. González-Martínez, Y. Cazañas Quintana, T. Fundora Barrios, T. Hernández, R. C. Varela Pérez, D. Díaz Goire, D. Castro López, I. Ruíz Ramirez, C. R. Díaz-Águila and J. M. Moran-Mirabal

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Xin Huang, Wanli Sha, Songchun He, Lijie Zhao, Shaobin Li, Chunmei Lv, Chunhua Lou, Xintong Xu, Jianxin Wang\* and Hong Pan\*

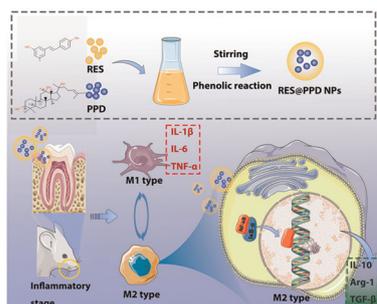
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### Nano shield: a new tetrahedral framework nucleic acids-based solution to radiation-induced mucositis

Geru Zhang, Liwei Huang, Maogeng Feng, Tianxu Zhang, Yang Gao, Yangxue Yao, Songhang Li, Xiaobing Li\* and Yunfeng Lin\*

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### Facile engineering of resveratrol nanoparticles loaded with 20(S)-protopanaxadiol for the treatment of periodontitis by regulating the macrophage phenotype

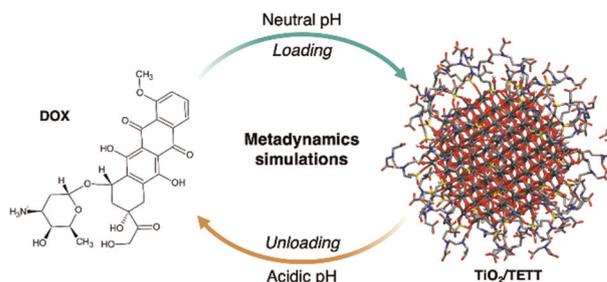
Huimin Huangfu, Shulin Du, Hao Zhang, Hanchi Wang, Yi Zhang, Zhen Yang, Xinwei Zhang, Sicong Ren, Siyu Chen, Cuizhu Wang,\* Yidi Zhang\* and Yanmin Zhou\*



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### Metadynamics simulations for the investigation of drug loading on functionalized inorganic nanoparticles

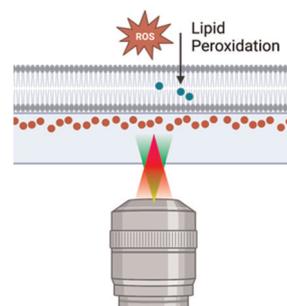
Stefano Motta, Paulo Siani, Edoardo Donadoni, Giulia Frigerio, Laura Bonati and Cristiana Di Valentin\*



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### Lipid peroxidation in diamond supported bilayers

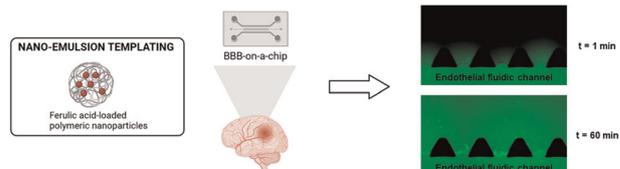
A. R. Ortiz Moreno, R. Li, K. Wu and R. Schirhagl\*



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### Ferulic acid-loaded polymeric nanoparticles prepared from nano-emulsion templates facilitate internalisation across the blood–brain barrier in model membranes

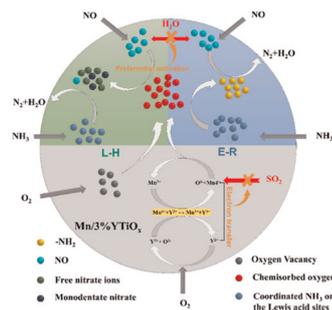
Luna Garcia, Sujey Palma-Florez, Victor Espinosa, Fatemeh Soleimani Rokni, Anna Lagunas, Mònica Mir, Maria José García-Celma, Josep Samitier, Carlos Rodríguez-Abreu\* and Santiago Grijalvo\*



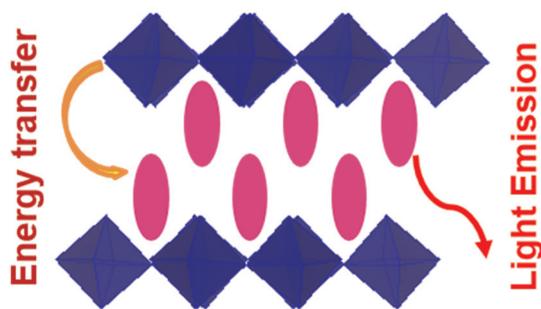
7945

### Engineering 3D structure Mn/YTiO<sub>x</sub> nanotube catalyst with an efficient H<sub>2</sub>O and SO<sub>2</sub> tolerance for low-temperature selective catalytic reduction of NO with NH<sub>3</sub>

Rongji Cui, Xiaosheng Huang, Guodong Zhang and Zhicheng Tang\*



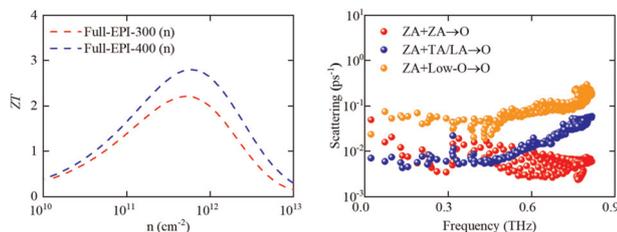
7962



### Energy level alignments between organic and inorganic layers in 2D layered perovskites: conjugation vs. substituent

Eti Mahal, Shyama Charan Mandal, Diptendu Roy and Biswarup Pathak\*

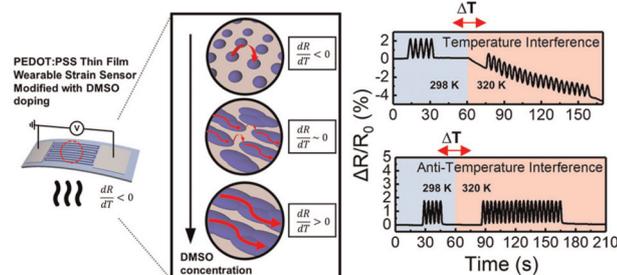
7971



### Excellent thermoelectric properties of the $Tl_2S_3$ monolayer for medium-temperature applications

Lang Zhou, Qi Wang, Mei Xu, Chengwei Hu, Xue Deng, Yumin Li, Bing Lv\* and Wenzhong Wang\*

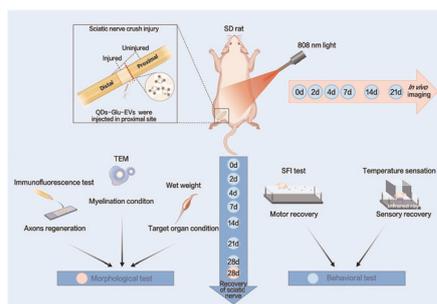
7980



### Charge transport transition of PEDOT:PSS thin films for temperature-insensitive wearable strain sensors

Young Kyun Choi, Tae Hyuk Kim, Jeong Han Song, Byung Ku Jung, Woosik Kim, Jung Ho Bae, Hyung Jin Choi, Jeonghun Kwak,\* Jae Won Shim\* and Soong Ju Oh\*

7991



### Spatio-temporally deciphering peripheral nerve regeneration *in vivo* after extracellular vesicle therapy under NIR-II fluorescence imaging

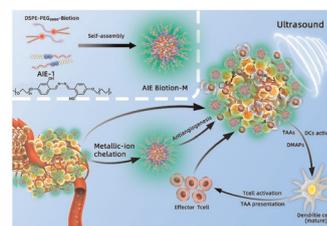
Yueming Wang, Huaixuan Sheng, Meng Cong, Wenjin Wang, Qianru He, Huizhu Li, Shuniao Li, Jian Zhang, Yuzhou Chen, Shuaicheng Guo, Lu Fang, Stefano Pluchino, Ewelina Biskup, Mikhail Artemyev, Fuchun Chen, Yunxia Li, Jun Chen,\* Sijia Feng\* and Yan Wo\*



8006

## Tumor-targeted AIE polymeric micelles mediated immunogenic sonodynamic therapy inhibits cancer growth and metastasis

Kai Deng,\* Yifeng Yu, Yong Zhao, Jiami Li, Kunheng Li, Hongyang Zhao, Meng Wu\* and Shiwen Huang\*



Schematic illustration of AIE/Biotin-M mediated sonodynamic therapy and metal ions chelation for inhibiting breast cancer growth and metastasis.

8019

## Orientation order of a nonpolar molecular fluid compressed into a nanosmall space

Dan Wang, Milena Lippmann, Johannes Gäding, Anita Ehnes, Dmitri Novikov, Robert Meißner and Oliver H. Seeck

