

# Artificial Intelligence & Neuromorphic Computing

- 1. High-Transconductance, Highly Elastic, Durable and Recyclable All-Polymer Electrochemical Transistors with 3D Micro-Engineered Interfaces (ARTICLE)**  
Wenjin Wang, Zhaoxian Li, Mancheng Li, Lvye Fang, Fubin Chen, Songjia Han, Liuyuan Lan, Junxin Chen, Qize Chen, Hongshang Wang, Chuan Liu, Yabin Yang, Wan Yue & Zhuang Xie  
Nano-Micro Lett. 14, 184 (2022). <https://doi.org/10.1007/s40820-022-00930-5>
- 2. Full-Fiber Auxetic-Interlaced Yarn Sensor for Sign-Language Translation Glove Assisted by Artificial Neural Network (ARTICLE)**  
Ronghui Wu, Sangjin Seo, Liyun Ma, Juyeol Bae & Taesung Kim  
Nano-Micro Lett. 14, 139 (2022). <https://doi.org/10.1007/s40820-022-00887-5>
- 3. An All-In-One Multifunctional Touch Sensor with Carbon-Based Gradient Resistance Elements (ARTICLE)**  
Chao Wei, Wansheng Lin, Shaofeng Liang, Mengjiao Chen, Yuanjin Zheng, Xinqin Liao & Zhong Chen  
Nano-Micro Lett. 14, 131 (2022). <https://doi.org/10.1007/s40820-022-00875-9>
- 4. Memristive Devices Based on Two-Dimensional Transition Metal Chalcogenides for Neuromorphic Computing (REVIEW)**  
Ki Chang Kwon, Ji Hyun Baek, Kootak Hong, Soo Young Kim and Ho Won Jang  
Nano-Micro Lett. 14, 58 (2022). <https://doi.org/10.1007/s40820-021-00784-3>
- 5. A Novel Artificial Neuron-Like Gas Sensor Constructed from CuS Quantum Dots/Bi<sub>2</sub>S<sub>3</sub> Nanosheets (ARTICLE)**  
Xinwei Chen, Tao Wang, Jia Shi, Wen Lv, Yutong Han, Min Zeng, Jianhua Yang, Nantao Hu, Yanjie Su, Hao Wei, Zhihua Zhou, Zhi Yang and Yafei Zhang  
Nano-Micro Lett. 14, 8 (2022). <https://doi.org/10.1007/s40820-021-00740-1>
- 6. Applications of Carbon Nanotubes in the Internet of Things Era (PERSPECTIVE)**  
Jinbo Pang, Alicja Bachmatiuk, Feng Yang, Hong Liu, Weijia Zhou, Mark H. Rummeli and Gianarelio Cuniberti  
Nano-Micro Lett. 13, 191 (2021). <https://doi.org/10.1007/s40820-021-00721-4>
- 7. Memristive Artificial Synapses for Neuromorphic Computing (REVIEW)**  
Wen Huang, Xuwen Xia, Chen Zhu, Parker Steichen, Weidong Quan, Weiwei Mao, Jianping Yang, Liang Chu and Xing'ao Li  
Nano-Micro Lett. 13, 85 (2021). <https://doi.org/10.1007/s40820-021-00618-2>
- 8. Ta-Doped Sb<sub>2</sub>Te Allows Ultrafast Phase-Change Memory with Excellent High-Temperature Operation Characteristics (ARTICLE)**  
Yuan Xue, Shuai Yan, Shilong Lv, Sannian Song and Zhitang Song  
Nano-Micro Lett. 13, 33 (2021). <https://doi.org/10.1007/s40820-020-00557-4>

9. **Nanoscale All-Oxide-Heterostructured Bio-inspired Optoresponsive Nociceptor (ARTICLE)**  
Mohammad Karbalaei Akbari, Jie Hu, Francis Verpoort, Hongliang Lu and Serge Zhuiykov  
Nano-Micro Lett. 12, 83 (2020). <https://doi.org/10.1007/s40820-020-00419-z>