

Multifunctional Optoelectronics via Harnessing Defects

Advanced Functional Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Time and rate dependent synaptic learning in neuro-mimicking resistive memories. Scientific Reports, 2019, 9, 15404.	3.3	13
2	Two-dimensional Layered Materials for Artificial Synapse. , 2020, , .		1
3	Laser Writable Multifunctional van der Waals Heterostructures. Small, 2020, 16, e2003593.	10.0	13
4	<i>In Situ</i> Cleaning and Fluorination of Black Phosphorus for Enhanced Performance of Transistors with High Stability. ACS Applied Materials & Interfaces, 2020, 12, 37375-37383.	8.0	20
5	Liquidâ€Metal Synthesized Ultrathin SnS Layers for Highâ€Performance Broadband Photodetectors. Advanced Materials, 2020, 32, e2004247.	21.0	66
7	Colorâ€Recognizing Siâ€Based Photonic Synapse for Artificial Visual System. Advanced Intelligent Systems, 2020, 2, 2000107.	6.1	21
8	Black Phosphorus Based Multicolor Light-Modulated Transparent Memristor with Enhanced Resistive Switching Performance. ACS Applied Materials & Interfaces, 2020, 12, 25108-25114.	8.0	32
9	Bidirectional Allâ€Optical Synapses Based on a 2D Bi₂O₂Se/Graphene Hybrid Structure for Multifunctional Optoelectronics. Advanced Functional Materials, 2020, 30, 2001598.	14.9	123
10	Recent Advances and a Roadmap to Wearable UV Sensor Technologies. Advanced Materials Technologies, 2020, 5, 1901036.	5.8	78
11	Super-Slippery Degraded Black Phosphorus/Silicon Dioxide Interface. ACS Applied Materials & Interfaces, 2020, 12, 7717-7726.	8.0	46
12	2-dimensional materials-based electrical/optical platforms for smart on-off diagnostics applications. 2D Materials, 2020, 7, 032001.	4.4	25
13	Polarizationâ€Dependent and Wavelengthâ€Tunable Optical Limiting and Transparency of Multilayer Seleniumâ€Doped Black Phosphorus. Advanced Optical Materials, 2021, 9, .	7.3	12
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15	Recent Progress of Optoelectronic and Allâ€Optical Neuromorphic Devices: A Comprehensive Review of Device Structures, Materials, and Applications. Advanced Intelligent Systems, 2021, 3, 2000119.	6.1	38
16	Fully Lightâ€Controlled Memory and Neuromorphic Computation in Layered Black Phosphorus. Advanced Materials, 2021, 33, e2004207.	21.0	147
17	Ultrathin oxysulfide semiconductors from liquid metal: a wet chemical approach. Journal of Materials Chemistry C, 2021, 9, 11815-11826.	5.5	19
18	Flexible Artificial Sensory Systems Based on Neuromorphic Devices. ACS Nano, 2021, 15, 3875-3899.	14.6	135
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20	Recent Progress in Transistor-Based Optoelectronic Synapses: From Neuromorphic Computing to Artificial Sensory System. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000162.	6.1	97
21	Recent progress in two-dimensional Ruddlesden-Popper perovskite based heterostructures. <i>2D Materials</i> , 2021, 8, 022006.	4.4	19
22	Polarization-Resolved Broadband MoS ₂ /Black Phosphorus/MoS ₂ Optoelectronic Memory with Ultralong Retention Time and Ultrahigh Switching Ratio. <i>Advanced Functional Materials</i> , 2021, 31, 2100781.	14.9	33
23	Synthesis of wafer-scale graphdiyne/graphene heterostructure for scalable neuromorphic computing and artificial visual systems. <i>Nano Research</i> , 2021, 14, 4591-4600.	10.4	45
24	Broad-Spectrum Solvent-free Layered Black Phosphorus as a Rapid Action Antimicrobial. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17340-17352.	8.0	24
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41	Lightâ€‘operated Onâ€‘chip Autonomous Vision Using Lowâ€‘dimensional Material Systems. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	5
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