

Shuchao Qin

List of Publications by Year in descending order

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13
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1132
citing authors

#	ARTICLE	IF	CITATIONS
1	A light-stimulated synaptic device based on graphene hybrid phototransistor. 2D Materials, 2017, 4, 035022.	4.4	186
2	Graphene Hybrid Structures for Integrated and Flexible Optoelectronics. Advanced Materials, 2020, 32, e1902039.	21.0	127
3	Sensitive and Ultrabroadband Phototransistor Based on Two-Dimensional Bi ₂ O ₂ Se Nanosheets. Advanced Functional Materials, 2019, 29, 1905806.	14.9	106
4	Graphene-carbon nanotube hybrid films for high-performance flexible photodetectors. Nano Research, 2017, 10, 1880-1887.	10.4	64
5	Sensitive and Robust Ultraviolet Photodetector Array Based on Self-Assembled Graphene/C ₆₀ Hybrid Films. ACS Applied Materials & Interfaces, 2018, 10, 38326-38333.	8.0	48
6	Ultrafast free carrier dynamics in black phosphorus/molybdenum disulfide (BP/MoS ₂) heterostructures. Nanoscale Horizons, 2019, 4, 1099-1105.	8.0	36
7	Planar graphene-C60-graphene heterostructures for sensitive UV-Visible photodetection. Carbon, 2019, 146, 486-490.	10.3	30
8	Tailoring exciton dynamics of monolayer transition metal dichalcogenides by interfacial electron-phonon coupling. Communications Physics, 2019, 2, .	5.3	27
9	Robust, flexible and broadband photodetectors based on van der Waals graphene/C60 heterostructures. Carbon, 2020, 167, 668-674.	10.3	17
10	Highly Sensitive and Ultrafast Organic Phototransistor Based on Rubrene Single Crystals. ACS Applied Materials & Interfaces, 2021, 13, 57735-57742.	8.0	15
11	All-carbon hybrids for high-performance electronics, optoelectronics and energy storage. Science China Information Sciences, 2019, 62, 1.	4.3	6
12	Bi ₂ O ₂ Se/Au-Based Schottky Phototransistor With Fast Response and Ultrahigh Responsivity. IEEE Electron Device Letters, 2020, 41, 1464-1467.	3.9	5
13	Toward facile broadband photodetectors based on self-assembled ZnO nanobridge/rubrene heterointerface. Nanotechnology, 2019, 30, 065202.	2.6	4