

Xiaodan Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Strong Rashba-Edelstein Effect-Induced Spin-Orbit Torques in Monolayer Transition Metal Dichalcogenide/Ferromagnet Bilayers. <i>Nano Letters</i> , 2016, 16, 7514-7520.	9.1	247
2	Tailoring exchange couplings in magnetic topological-insulator/antiferromagnet heterostructures. <i>Nature Materials</i> , 2017, 16, 94-100.	27.5	137
3	Wafer-Scale Growth of WSe_2 Monolayers Toward Phase-Engineered Hybrid WO_x/WSe_2 Films with Sub-ppb NO_x Gas Sensing by a Low-Temperature Plasma-Assisted Selenization Process. <i>Chemistry of Materials</i> , 2017, 29, 1587-1598.	6.7	99
4	A Solution Processed Flexible Nanocomposite Electrode with Efficient Light Extraction for Organic Light Emitting Diodes. <i>Scientific Reports</i> , 2014, 4, 4307.	3.3	96
5	Metallic nanomesh electrodes with controllable optical properties for organic solar cells. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	51
6	A Solid-State Intrinsically Stretchable Polymer Solar Cell. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40523-40532.	8.0	45
7	Atomic-Monolayer Two-Dimensional Lateral Quasi-Heterojunction Bipolar Transistors with Resonant Tunneling Phenomenon. <i>ACS Nano</i> , 2017, 11, 11015-11023.	14.6	45
8	Atomic-Monolayer MoS_2 Band-to-Band Tunneling Field-Effect Transistor. <i>Small</i> , 2016, 12, 5676-5683.	10.0	41
9	Enhancing electric-field control of ferromagnetism through nanoscale engineering of high-Tc Mn_xGe_{1-x} nanomesh. <i>Nature Communications</i> , 2016, 7, 12866.	12.8	35
10	A Study of Vertical Transport through Graphene toward Control of Quantum Tunneling. <i>Nano Letters</i> , 2018, 18, 682-688.	9.1	13
11	Dual-mode operation of 2D material-base hot electron transistors. <i>Scientific Reports</i> , 2016, 6, 32503.	3.3	12
12	Morphological study of an intrinsically stretchable photovoltaic bulk heterojunction. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 814-820.	2.1	8
13	Interfacial States and Fano-Feshbach Resonance in Graphene-Silicon Vertical Junction. <i>Nano Letters</i> , 2019, 19, 6765-6771.	9.1	2