

Hadallia Bergeron

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,908
citations

471509

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713466

21
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21
docs citations

21
times ranked

3394
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-terminal memtransistors from polycrystalline monolayer molybdenum disulfide. <i>Nature</i> , 2018, 554, 500-504.	27.8	705
2	Ultrafast Exciton Dissociation and Long-Lived Charge Separation in a Photovoltaic Pentacene/MoS ₂ van der Waals Heterojunction. <i>Nano Letters</i> , 2017, 17, 164-169.	9.1	195
3	Rotationally Commensurate Growth of MoS ₂ on Epitaxial Graphene. <i>ACS Nano</i> , 2016, 10, 1067-1075.	14.6	176
4	Mutual Photoluminescence Quenching and Photovoltaic Effect in Large-Area Single-Layer MoS ₂ /Polymer Heterojunctions. <i>ACS Nano</i> , 2016, 10, 10573-10579.	14.6	99
5	Point Defects and Grain Boundaries in Rotationally Commensurate MoS ₂ on Epitaxial Graphene. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20798-20805.	3.1	99
6	Dual-Gated MoS ₂ Memtransistor Crossbar Array. <i>Advanced Functional Materials</i> , 2020, 30, 2003683.	14.9	73
7	Chemical vapor deposition of monolayer MoS ₂ directly on ultrathin Al ₂ O ₃ for low-power electronics. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	72
8	Polymorphism in Post-Dichalcogenide Two-Dimensional Materials. <i>Chemical Reviews</i> , 2021, 121, 2713-2775.	47.7	64
9	Spiking neurons from tunable Gaussian heterojunction transistors. <i>Nature Communications</i> , 2020, 11, 1565.	12.8	58
10	Mechanisms of Ultrafast Charge Separation in a PTB7/Monolayer MoS ₂ van der Waals Heterojunction. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2484-2491.	4.6	57
11	Molecular-Orientation-Dependent Interfacial Charge Transfer in Phthalocyanine/MoS ₂ Mixed-Dimensional Heterojunctions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13337-13343.	3.1	54
12	Electronic Coupling in Metallophthalocyanine/Transition Metal Dichalcogenide Mixed-Dimensional Heterojunctions. <i>ACS Nano</i> , 2019, 13, 4183-4190.	14.6	54
13	Self-Aligned van der Waals Heterojunction Diodes and Transistors. <i>Nano Letters</i> , 2018, 18, 1421-1427.	9.1	51
14	Reconfigurable MoS ₂ Memtransistors for Continuous Learning in Spiking Neural Networks. <i>Nano Letters</i> , 2021, 21, 6432-6440.	9.1	33
15	Charge Separation at Mixed-Dimensional Single and Multilayer MoS ₂ /Silicon Nanowire Heterojunctions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16760-16767.	8.0	31
16	Valley-selective optical Stark effect probed by Kerr rotation. <i>Physical Review B</i> , 2018, 97, .	3.2	30
17	Atomic Layer Deposition of Molybdenum Oxides with Tunable Stoichiometry Enables Controllable Doping of MoS ₂ . <i>Chemistry of Materials</i> , 2018, 30, 3628-3632.	6.7	29
18	Large-area optoelectronic-grade InSe thin films via controlled phase evolution. <i>Applied Physics Reviews</i> , 2020, 7, .	11.3	17

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19	Selective Transfer of Rotationally Commensurate MoS ₂ from an Epitaxially Grown van der Waals Heterostructure. Chemistry of Materials, 2018, 30, 8495-8500.	6.7	6
20	Artificial Neural Networks: Dual-Gated MoS ₂ Memtransistor Crossbar Array (Adv. Funct. Mater.)	14.9	3