

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

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docs citations

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times ranked

3394
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymorphism in Post-Dichalcogenide Two-Dimensional Materials. <i>Chemical Reviews</i> , 2021, 121, 2713-2775.	47.7	64
2	Reconfigurable MoS ₂ Memtransistors for Continuous Learning in Spiking Neural Networks. <i>Nano Letters</i> , 2021, 21, 6432-6440.	9.1	33
3	Large-area optoelectronic-grade InSe thin films via controlled phase evolution. <i>Applied Physics Reviews</i> , 2020, 7, .	11.3	17
4	Dual-Gated MoS ₂ Memtransistor Crossbar Array. <i>Advanced Functional Materials</i> , 2020, 30, 2003683.	14.9	73
5	Artificial Neural Networks: Dual-Gated MoS ₂ Memtransistor Crossbar Array (Adv. Funct.)	14.9	107
6	Spiking neurons from tunable Gaussian heterojunction transistors. <i>Nature Communications</i> , 2020, 11, 1565.	12.8	58
7	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
8	Electronic Coupling in Metallophthalocyanine-Transition Metal Dichalcogenide Mixed-Dimensional Heterojunctions. <i>ACS Nano</i> , 2019, 13, 4183-4190.	14.6	54
9	Multi-terminal memtransistors from polycrystalline monolayer molybdenum disulfide. <i>Nature</i> , 2018, 554, 500-504.	27.8	705
10	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
11	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
12	Self-Aligned van der Waals Heterojunction Diodes and Transistors. <i>Nano Letters</i> , 2018, 18, 1421-1427.	9.1	51
13	Valley-selective optical Stark effect probed by Kerr rotation. <i>Physical Review B</i> , 2018, 97, .	3.2	30
14	Selective Transfer of Rotationally Commensurate MoS ₂ from an Epitaxially Grown van der Waals Heterostructure. <i>Chemistry of Materials</i> , 2018, 30, 8495-8500.	6.7	6
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Rotationally Commensurate Growth of MoS ₂ on Epitaxial Graphene. ACS Nano, 2016, 10, 1067-1075.	14.6	176
20	Point Defects and Grain Boundaries in Rotationally Commensurate MoS ₂ on Epitaxial Graphene. Journal of Physical Chemistry C, 2016, 120, 20798-20805.	3.1	99