

Aday J Molina-Mendoza

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,529
citations

687363

13
h-index

1058476

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all docs

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docs citations

14
times ranked

2948
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast machine vision with 2D material neural network image sensors. <i>Nature</i> , 2020, 579, 62-66.	27.8	546
2	Atomically thin p-n junctions based on two-dimensional materials. <i>Chemical Society Reviews</i> , 2018, 47, 3339-3358.	38.1	231
3	Electronics and optoelectronics of quasi-1D layered transition metal trichalcogenides. <i>2D Materials</i> , 2017, 4, 022003.	4.4	146
4	Micro-reflectance and transmittance spectroscopy: a versatile and powerful tool to characterize 2D materials. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 074002.	2.8	125
5	Franckeite as a naturally occurring van der Waals heterostructure. <i>Nature Communications</i> , 2017, 8, 14409.	12.8	103
6	Electroluminescence from multi-particle exciton complexes in transition metal dichalcogenide semiconductors. <i>Nature Communications</i> , 2019, 10, 1709.	12.8	100
7	Electronic Bandgap and Exciton Binding Energy of Layered Semiconductor TiS_3 . <i>Advanced Electronic Materials</i> , 2015, 1, 1500126.	5.1	59
8	High Current Density Electrical Breakdown of TiS_3 Nanoribbon-Based Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2017, 27, 1605647.	14.9	52
9	Gate tunable photovoltaic effect in MoS_2 vertical p-n homostructures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 854-861.	5.5	50
10	Characterization of highly crystalline lead iodide nanosheets prepared by room-temperature solution processing. <i>Nanotechnology</i> , 2017, 28, 455703.	2.6	45
11	Engineering the optoelectronic properties of MoS_2 photodetectors through reversible noncovalent functionalization. <i>Chemical Communications</i> , 2016, 52, 14365-14368.	4.1	37
12	Nonvolatile Programmable WSe_2 Photodetector. <i>Advanced Optical Materials</i> , 2020, 8, 2000417.	7.3	16
13	Nanoscale Thermal Transport in 2D Nanostructures from Cryogenic to Room Temperature. <i>Advanced Electronic Materials</i> , 2019, 5, 1900331.	5.1	15
14	Low thermal conductivity in franckeite heterostructures. <i>Nanoscale</i> , 2022, 14, 2593-2598.	5.6	4