

Larionette P L Mawlong

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

402
citations

1163117

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1199594

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12
docs citations

12
times ranked

746
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen Evolution Reaction Activity of Graphene@MoS ₂ van der Waals Heterostructures. ACS Energy Letters, 2017, 2, 1355-1361.	17.4	141
2	Solid-state synthesis of stable and color tunable cesium lead halide perovskite nanocrystals and the mechanism of high-performance photodetection in a monolayer MoS ₂ /CsPbBr ₃ vertical heterojunction. Journal of Materials Chemistry C, 2020, 8, 8917-8934.	5.5	51
3	Coupled Charge Transfer Dynamics and Photoluminescence Quenching in Monolayer MoS ₂ Decorated with WS ₂ Quantum Dots. Scientific Reports, 2019, 9, 19414.	3.3	45
4	Direct Chemical Vapor Deposition Growth of Monolayer MoS ₂ on TiO ₂ Nanorods and Evidence for Doping-Induced Strong Photoluminescence Enhancement. Journal of Physical Chemistry C, 2018, 122, 15017-15025.	3.1	38
5	Trion-Inhibited Strong Excitonic Emission and Broadband Giant Photoresponsivity from Chemical Vapor-Deposited Monolayer MoS ₂ Grown in Situ on TiO ₂ Nanostructure. ACS Applied Materials & Interfaces, 2018, 10, 42812-42825.	8.0	36
6	Multifunctional Ag nanoparticle decorated Si nanowires for sensing, photocatalysis and light emission applications. Journal of Colloid and Interface Science, 2018, 532, 464-473.	9.4	35
7	Understanding the excitation wavelength dependent spectral shift and large exciton binding energy of tungsten disulfide quantum dots and its interaction with single-walled carbon nanotubes. Journal of Colloid and Interface Science, 2020, 561, 519-532.	9.4	25
8	3D-Structured Photodetectors Based on 2D Transition-Metal Dichalcogenide. Small Structures, 2022, 3, .	12.0	12
9	Exciton-plasmon coupling and giant photoluminescence enhancement in monolayer MoS ₂ through hierarchically designed TiO ₂ /Au/MoS ₂ ternary core-shell heterostructure. Nanotechnology, 2021, 32, 215201.	2.6	8
10	Highly Suppressed Dark Current and Fast Photoresponse from Au Nanoparticle-Embedded, Si/Au/WS ₂ Quantum-Dot-Based, Self-Biased Schottky Photodetectors. ACS Applied Electronic Materials, 2021, 3, 4891-4904.	4.3	6
11	Low-Temperature Chemical Vapor Deposition Growth of MoS ₂ Nanodots and Their Raman and Photoluminescence Profiles. Frontiers in Nanotechnology, 2021, 3, .	4.8	3
12	Simultaneous photoluminescence enhancement in CVD grown single layer MoS ₂ and TiO ₂ NRs in the MoS ₂ @TiO ₂ heterojunction. AIP Conference Proceedings, 2019, , .	0.4	2