

Shahzad Ahmad

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

46
citations

1936888

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16
docs citations

16
times ranked

60
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulating the electronic transport properties of single-layer WSe ₂ using zero-dimensional defect engineering. , 2021, , .		0
2	Enhanced thermoelectric properties of 2D W _x Mo _(1-x) S ₂ alloys based vertical heterostructures for energy storage applications. , 2021, , .		0
3	A difference method with semi-analytical approach for achieving accuracy in optical gaps of 2D materials using exciton model in fractional space. Japanese Journal of Applied Physics, 2021, 60, 060905.	0.8	2
4	Behaviour of induced states of substitutional and adatom impurity doping on electronic transport properties of single-layer black phosphorus. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 130, 114701.	1.3	1
5	Analytical Calculation of Exciton Binding Energy, Quasi-Particle Band Gap and Optical Gap in Strained Mono-layer MoS ₂ . Journal of Electronic Materials, 2021, 50, 2964-2973.	1.0	5
6	Generalized Scaling Law for Exciton Binding Energy in Two-Dimensional Materials. Physical Review Applied, 2020, 13, .	1.5	14
7	Towards theoretical framework for probing the accuracy limit of electronic transport properties of SnSe ₂ using many-body calculations. Europhysics Letters, 2020, 130, 57001.	0.7	5
8	Towards cavity-enhanced photodetection in Al-doped BP integrated with 2D photonic crystal and waveguide for mid-IR wavelengths. , 2020, , .		0
9	Port analysis using S-matrix for 2D metasurface waveguide coupler in mid-IR application. , 2020, , .		0
10	First-principles method based electronic transport properties of two-dimensional SnSe ₂ (1-x)X ₂ alloys. , 2020, , .		0
11	Effects of External Magnetic Field on non-Newtonian Two Phase Fluid in an Annulus with Peristaltic Pumping. Journal of Magnetism, 2019, 24, 62-69.	0.2	16
12	Camera calibration and tracking for gimbal-like eye structure in robots with hardware implementation. , 2017, , .		0
13	Elimination of limit cycle in unexcited Van der Pol system using fuzzy supported state space controllers. , 2016, , .		1
14	Practical sliding mode controller in Dc-Dc converters for use in hybrid vehicles. , 2016, , .		0
15	Sliding mode control for efficient utilization of renewable energy sources in DC micro grid: A comparison with a linear PID controller. , 2016, , .		2
16	Implementation of high power quality three phase inverter for AC micro grids. , 2016, , .		0