

Shuo Deng

List of Publications by Year in descending order

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14
papers

359
citations

1163117

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h-index

1199594

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docs citations

14
times ranked

501
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain Modulated Electronic, Mechanical, and Optical Properties of the Monolayer PdS ₂ , PdSe ₂ , and PtSe ₂ for Tunable Devices. ACS Applied Nano Materials, 2018, 1, 1932-1939.	5.0	86
2	Stability of direct band gap under mechanical strains for monolayer MoS ₂ , MoSe ₂ , WS ₂ and WSe ₂ . Physica E: Low-Dimensional Systems and Nanostructures, 2018, 101, 44-49.	2.7	82
3	Graphene/MoXY Heterostructures Adjusted by Interlayer Distance, External Electric Field, and Strain for Tunable Devices. ACS Applied Nano Materials, 2019, 2, 3977-3988.	5.0	58
4	Enhanced thermoelectric performance of monolayer MoSSe, bilayer MoSSe and graphene/MoSSe heterogeneous nanoribbons. Physical Chemistry Chemical Physics, 2019, 21, 18161-18169.	2.8	34
5	Enhanced thermoelectric performance of twisted bilayer graphene nanoribbons junction. Carbon, 2019, 145, 622-628.	10.3	26
6	Study on electronic and optical properties of the twisted and strained MoS ₂ /PtS ₂ heterogeneous interface. Applied Surface Science, 2019, 476, 308-316.	6.1	23
7	A first-principles theoretical study of the electronic and optical properties of twisted bilayer GaN structures. Journal of Computational Electronics, 2020, 19, 910-916.	2.5	12
8	Influences of surface charges and gap width between p-type and n-type semiconductors on charge pumping. Nano Energy, 2020, 78, 105287.	16.0	11
9	Experimental Investigation of the Dielectric Constants of Thin Noble Metallic Films Using a Surface Plasmon Resonance Sensor. Sensors, 2020, 20, 1505.	3.8	9
10	Bilayer graphene nanoribbons junction with aligned holes exhibiting high ZT values. Carbon, 2019, 155, 438-444.	10.3	6
11	Optical and Piezoelectric Properties of Strained Orthorhombic PdS ₂ . IEEE Nanotechnology Magazine, 2019, 18, 358-364.	2.0	6
12	Strain Magnitude and Direction Effect on the Energy Band Structure of Hexagonal and Orthorhombic Monolayer MoS ₂ . IEEE Nanotechnology Magazine, 2018, 17, 419-423.	2.0	5
13	Dielectric function of sub-10-nanometer thick gold films. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	1
14	Experimental and Theoretical Validation of Ga ₂ O ₃ Thin Films Deposited by Physical Vapor Deposition. , 2019, , .		0