

Xiaolong Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

139
citations

1478505

6
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1199594

12
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16
docs citations

16
times ranked

81
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principles calculations of the electronic, and optical properties of a GaAs/AlAs van der Waals heterostructure. <i>Chemical Physics Letters</i> , 2021, 765, 138194.	2.6	11
2	The Structural, Electronic, and Optical Properties of a Novel Multilayer Heterostructure ZnSe/AlAs/GaAs: First-Principles Study. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2100034.	1.5	3
3	The structural, electronic and optical properties of ZnTe/CdSe/GaSb heterotrilyer: first-principles study. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 415104.	2.8	1
4	First principles calculations of electrical and optical properties of Cu ₃ N/MoS ₂ heterostructure with tunable bandgaps. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	2
5	Characterization/mechanical behavior of AgCuOSnO ₂ composites: Experimental and finite element study. <i>Polymer Composites</i> , 2021, 42, 5721-5730.	4.6	4
6	The effect of Ag atom doped Cu@CuO core-shell structure on its electronic properties and catalytic performance: a first principles study. <i>Nanotechnology</i> , 2021, 32, 095707.	2.6	0
7	Tunable bandgap and vacancy defects in GaSe/SnSe van der Waals heterostructure. <i>Journal of Materials Research</i> , 2021, 36, 4927-4937.	2.6	3
8	Tunable electronic and optical properties of two-dimensional ZnSe/AlAs van der Waals heterostructure. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	13
9	The structural, electronic and optical properties of novel GaP/ZnS/AlP multilayer heterostructure: first-principles study. <i>Materials Research Express</i> , 2019, 6, 095912.	1.6	5
10	First-principles study on the electronic and optical properties of the ZnTe/InP heterojunction. <i>Journal of Computational Electronics</i> , 2019, 18, 749-757.	2.5	16
11	First-principles calculations of the structural, electronic, and optical properties of a ZnS/GaP van der Waals heterostructure. <i>Journal of Computational Electronics</i> , 2019, 18, 758-769.	2.5	4
12	Effects of NiO content on the microstructure and mechanical properties of AgSnO ₂ /NiO composites. <i>Science and Engineering of Composite Materials</i> , 2019, 26, 221-229.	1.4	18
13	Tunable electronic and optical properties of novel ZnSe/AlP van der Waals heterostructure. <i>Materials Research Express</i> , 2019, 6, 075907.	1.6	10
14	Tunable electronic properties and optical properties of novel stanene/ZnO heterostructure: First-principles calculation. <i>Computational Materials Science</i> , 2017, 139, 179-184.	3.0	47
15	Phase composition and microstructure of materials in the Ir-Ru-B system prepared by arc melting and VHP sintering. <i>International Journal of Materials Research</i> , 2017, 108, 378-389.	0.3	0
16	DFT study on the controllable electronic and optical properties of GaSb/InAs heterostructure. <i>Journal of Materials Research</i> , 0, 1.	2.6	2