Xiaolong Zhou

List of Publications by Year
in descending order

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16	139	1478505 6	1199594 12
papers	citations	h-index	g-index

16	16	16	81
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tunable electronic properties and optical properties of novel stanene/ZnO heterostructure: First-principles calculation. Computational Materials Science, 2017, 139, 179-184.	3.0	47
2	Effects of NiO content on the microstructure and mechanical properties of AgSnO₂NiO composites. Science and Engineering of Composite Materials, 2019, 26, 221-229.	1.4	18
3	First-principles study on the electronic and optical properties of the ZnTe/InP heterojunction. Journal of Computational Electronics, 2019, 18, 749-757.	2.5	16
4	Tunable electronic and optical properties of two-dimensional ZnSe/AlAs van der Waals heterostructure. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	13
5	Firstâ€principles calculations of the electronic, and optical properties of a GaAs/AlAs van der Waals heterostructure. Chemical Physics Letters, 2021, 765, 138194.	2.6	11
6	Tunable electronic and optical properties of novel ZnSe/AlP van der Waals heterostructure. Materials Research Express, 2019, 6, 075907.	1.6	10
7	The structural, electronic and optical properties of novel GaP/ZnS/AlP multilayer heterostructure: first-principles study. Materials Research Express, 2019, 6, 095912.	1.6	5
8	First-principles calculations of the structural, electronic, and optical properties of a ZnS/GaP van der Waals heterostructure. Journal of Computational Electronics, 2019, 18, 758-769.	2.5	4
9	Characterization/mechanical behavior of <scp>AgCuOSnO₂</scp> composites: Experimental and finite element study. Polymer Composites, 2021, 42, 5721-5730.	4.6	4
10	The Structural, Electronic, and Optical Properties of a Novel Multilayer Heterostructure ZnSe/AlAs/GaAs: Firstâ€Principles Study. Physica Status Solidi (B): Basic Research, 2021, 258, 2100034.	1.5	3
11	Tunable bandgap and vacancy defects in GaSe/SnSe van der Waals heterostructure. Journal of Materials Research, 2021, 36, 4927-4937.	2.6	3
12	DFT study on the controllable electronic and optical properties of GaSb/InAs heterostructure. Journal of Materials Research, 0, , 1.	2.6	2
13	First principles calculations of electrical and optical properties of Cu3N/MoS2 heterostructure with tunable bandgaps. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	2
14	The structural, electronic and optical properties of ZnTe/CdSe/GaSb heterotrilayer: first-principles study. Journal Physics D: Applied Physics, 2021, 54, 415104.	2.8	1
15	Phase composition and microstructure of materials in the Irâ€“Ruâ€“B system prepared by arc melting and VHP sintering. International Journal of Materials Research, 2017, 108, 378-389.	0.3	0
16	The effect of Ag atom doped Cu@CuO coreâ€“shell structure on its electronic properties and catalytic performance: a first principles study. Nanotechnology, 2021, 32, 095707.	2.6	0