

Xiaoli Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The influence of oxygen vacancy on the electronic and optical properties of ABO_3 ($A = \text{Tj, ET, Qq1}$)	1.0, 784314	41
2	Thermoelectric optimization of AgBiS_2 by defect engineering for room-temperature applications. <i>Physical Review B</i> , 2019, 99, .	1.1	38
3	The role of Sb in solar cell material $\text{Cu}_2\text{ZnSnS}_4$. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6606-6612.	5.2	36
4	First-principles study of the phase stability and the mechanical properties of W-Ta and W-Re alloys. <i>AIP Advances</i> , 2014, 4, .	0.6	31
5	Ab initio study of the giant ferroelectric distortion and pressure-induced spin-state transition in BiCoO_3	1.1	30
6	An investigation of Na-related defects in $\text{Cu}_2\text{ZnSnSe}_4$. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17799-17804.	1.3	21
7	Spin density waves predicted in zigzag puckered phosphorene, arsenene and antimonene nanoribbons. <i>AIP Advances</i> , 2016, 6, .	0.6	20
8	The instability of S vacancies in $\text{Cu}_2\text{ZnSnS}_4$. <i>RSC Advances</i> , 2016, 6, 15424-15429.	1.7	16
9	Dimensionality-induced insulator-metal crossover in layered nickelates $\text{La}_{1-x}\text{Ni}_x\text{O}_{2+\delta}$ ($x = 2, 3$, and \hat{z}). <i>AIP Advances</i> , 2014, 4, .	0.6	15
10	Magnetic frustration in $\text{La}_{1-x}\text{Na}_x\text{MnO}_2$ and CuMnO_2 . <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	12
11	Spin states of Co ions in $\text{La}_{1-x}\text{Ni}_x\text{O}_{2+\delta}$. <i>Rare earths and magnetic materials</i> , 2010, 82, .	1.1	8.5
12	Double perovskite $\text{Ag}_3\text{Mo}_4\text{O}_{16}$	1.1	7
13	The suppression of Cu-related charge localized defects in $\text{Cu}_2\text{ZnSnS}_4$ thin film solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 180, 118-122.	3.0	6
14	First-principles investigations on the elastic and thermodynamic properties of cubic ZrO_2 under high pressure. <i>International Journal of Modern Physics C</i> , 2015, 26, 1550056.	0.8	5
15	K_2AgF_4 : Ferromagnetism induced by the weak superexchange of different e_g orbitals from the nearest neighbor Ag ions. <i>AIP Advances</i> , 2016, 6, .	0.6	3
16	Factors affecting the electron-phonon coupling in FeSe under pressure. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25107-25113.	1.3	3
17	Orbitally driven spin-singlet state in LiVS_2 . <i>Journal of Applied Physics</i> , 2011, 109, 07E145.	1.1	2
18	Investigations of the mechanical properties of the Zr_8Ti_8 random alloy. <i>International Journal of Modern Physics C</i> , 2016, 27, 1650076.	0.8	2