Meng Wu

List of Publications by Year
in descending order

21	519	933447 10	713466 21
papers	citations	h-index	g-index

21	21	21	977
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strain and composition dependence of orbital polarization in nickel oxide superlattices. Physical Review B, 2013, 88, .	3.2	107
2	Tunable Charge and Spin Order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>PrNiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>Thin Films and Superlattices. Physical Review Letters, 2014, 113, 227206.	7.8	91
3	Layered VSe₂: a promising host for fast zinc storage and its working mechanism. Journal of Materials Chemistry A, 2020, 8, 9313-9321.	10.3	72
4	Electronic structure and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math>-type conduction mechanism of spinel cobaltite oxide thin films. Physical Review B, 2019, 100, .	3.2	54
5	Versatile and Highly Efficient Controls of Reversible Topotactic Metalâ€“Insulator Transitions through Proton Intercalation. Advanced Functional Materials, 2019, 29, 1907072.	14.9	28
6	Orbital reflectometry of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>PrNiO</mml:mtext><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>Physical Review B, 2015, 91, .	3.2	26
7	Understanding the Behavior and Mechanism of Oxygen-Deficient Anatase TiO₂ toward Sodium Storage. ACS Applied Materials & Interfaces, 2019, 11, 3061-3069.	8.0	26
8	Investigation of the vanadium <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>L</mml:mi><mml:mn>23</mml:mn></mml:msub></mml:math>-edge x-ray absorption spectrum of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrVO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>using configuration interaction calculations: Multiplet, valence, and crystal-field effects. Physical Review B, 2018, 97, .	3.2	22
9	Toward heat-tolerant potassium batteries based on pyrolyzed selenium disulfide/polyacrylonitrile positive electrode and gel polymer electrolyte. Journal of Materials Chemistry A, 2020, 8, 4544-4551.	10.3	19
10	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Ni</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup></mml:math>-induced semiconductor-to-metal transition in spinel nickel cobaltite thin films. Physical Review B, 2021, 104, .	3.2	13
11	Tuning the Magnetism in Boron-Doped Strontium Titanate. Materials, 2020, 13, 5686.	2.9	11
12	Investigation of the multiplet features of SrTiO₃in X-ray absorption spectra based on configuration interaction calculations. Journal of Synchrotron Radiation, 2018, 25, 777-784.	2.4	10
13	Tuning the magnetic and electronic properties of strontium titanate by carbon doping. Frontiers of Physics, 2021, 16, 1.	5.0	9
14	Formation mechanism of Ruddlesdenâ€“Popper faults in compressive-strained ABO₃ perovskite superlattices. Nanoscale, 2021, 13, 20663-20669.	5.6	7
15	Investigation of the multiplet structures and crystal field effects of a TiO₆ 3d¹ cluster based on configuration interaction calculations. Journal of Applied Crystallography, 2017, 50, 576-584.	4.5	6
16	Interfacial electronic states of misfit heterostructure between hexagonal ZnO and cubic NiO. Physical Review Materials, 2020, 4, .	2.4	5
17	Asymmetric response of electrical conductivity and V valence state to strain in cation-deficient Sr_{1â€“y}VO₃ ultrathin films based on absorption measurements at the V L ₂- and L ₃-edges. Journal of Synchrotron Radiation, 2019, 26, 1687-1693.	2.4	4
18	Route to design highly efficient thermal rectifiers from microstructured cellular biomorphic materials. Journal of Materials Science, 2018, 53, 13955-13965.	3.7	3

#	Article	IF	Citations
19	Determination of the crystal field and nature of x-ray linear dichroism for Co-O with local octahedral, tetrahedral, and tetragonal symmetries. Physical Review B, 2021, 104, .	3.2	3
20	Modulation of the electronic states of perovskite SrCrO3 thin films through protonation via low-energy hydrogen plasma implantation approaches. Frontiers of Physics, 2020, 15, 1.	5.0	2
21	Electronic structure variations of polar and nonpolar ZnO lattices with nitrogen-ion bombardment using synchrotron-basedin situphotoemission and X-ray absorption spectroscopy. Journal of Synchrotron Radiation, 2020, 27, 83-89.	2.4	1