

Shuai Ning

List of Publications by Year in descending order

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all docs

24
docs citations

24
times ranked

666
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-temperature ferromagnetism in un-doped ZrO ₂ thin films. Journal Physics D: Applied Physics, 2013, 46, 445004.	2.8	50
2	Defects-Driven Ferromagnetism in Undoped Dilute Magnetic Oxides: A Review. Journal of Materials Science and Technology, 2015, 31, 969-978.	10.7	49
3	Self-assembled multiferroic perovskite/spinel nanocomposite thin films: epitaxial growth, templating and integration on silicon. Journal of Materials Chemistry C, 2019, 7, 9128-9148.	5.5	35
4	Phase-dependent and defect-driven d ⁰ ferromagnetism in undoped ZrO ₂ thin films. RSC Advances, 2015, 5, 3636-3641.	3.6	32
5	An antisite defect mechanism for room temperature ferroelectricity in orthoferrites. Nature Communications, 2021, 12, 4298.	12.8	32
6	Dependence of the Thermal Conductivity of BiFeO_3 Thin Films on Polarization and Structure. Physical Review Applied, 2017, 8, .	3.8	31
7	Voltage Control of Magnetism above Room Temperature in Epitaxial SrCo _{1-x} Fe _x O ₃ . ACS Nano, 2020, 14, 8949-8957.	14.6	31
8	Antireflective coatings with enhanced adhesion strength. Nanoscale, 2017, 9, 11047-11054.	5.6	28
9	Anomalous Defect Dependence of Thermal Conductivity in Epitaxial WO ₃ Thin Films. Advanced Materials, 2019, 31, e1903738.	21.0	23
10	Exsolution Synthesis of Nanocomposite Perovskites with Tunable Electrical and Magnetic Properties. Advanced Functional Materials, 2022, 32, 2108005.	14.9	20
11	Defect characterization and magnetic properties in un-doped ZnO thin film annealed in a strong magnetic field. Chinese Physics B, 2014, 23, 127503.	1.4	13
12	Structure, Ferroelectricity, and Magnetism in Self-Assembled BiFeO ₃ /CoFe ₂ O ₄ Nanocomposites on (110)-LaAlO ₃ Substrates. Advanced Electronic Materials, 2019, 5, 1900012.	5.1	13
13	Ferroelectric domains and phase transition of sol-gel processed epitaxial Sm-doped BiFeO ₃ (001) thin films. Journal of Materiomics, 2018, 4, 27-34.	5.7	11
14	Magnetism and site occupancy in epitaxial Y-rich yttrium iron garnet films. Physical Review Materials, 2021, 5, .	2.4	11
15	Magnetolectric coupling in self-assembled BiFeO ₃ /CoFe ₂ O ₄ nanocomposites on (110)-LaAlO ₃ substrates. APL Materials, 2021, 9, 041109.	5.1	9
16	Fe_2O_3 nanopillar arrays fabricated by electron beam evaporation for the photoassisted degradation of dyes with H ₂ O ₂ . RSC Advances, 2016, 6, 534-540.	3.6	7
17	First-principles calculation of oxygen vacancy effects on the magnetic properties of the perovskite SrNiO_3 . Physical Review Materials, 2021, 5, .	2.4	7
18	XMCD study of magnetism and valence state in iron-substituted strontium titanate. Physical Review Materials, 2019, 3, .	2.4	7

#	ARTICLE	IF	CITATIONS
19	Antisite Defects Stabilized by Antiphase Boundaries in YFeO_3 Thin Films. <i>Advanced Functional Materials</i> , 2022, 32, 2107017.	14.9	7
20	Thermal conductivity in self-assembled $\text{CoFe}_2\text{O}_4/\text{BiFeO}_3$ vertical nanocomposite films. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	5
21	Magnetoelectric Vertically Aligned Nanocomposite of YFeO_3 and CoFe_2O_4 . <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	5
22	Challenges and opportunities for spintronics based on spin orbit torque. <i>Fundamental Research</i> , 2022, 2, 535-538.	3.3	5
23	Tailoring plasmonic properties of Ag-SiO ₂ nanorods and their surface-enhanced Raman scattering activities. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 404001.	2.8	2
24	High-magnetic field annealing effect on room-temperature ferromagnetism enhancement of un-doped HfO_2 thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 917-921.	2.3	1