Yan Zhu

List of Publications by Year
in descending order

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		759233	794594
45	444	12	19
papers	citations	h-index	g-index

45	45	45	467
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation of pure ZnO nanoparticles by a simple solid-state reaction method. Applied Physics A: Materials Science and Processing, 2008, 92, 275-278.	2.3	63
2	Effect of A-site average radius and cation disorder on magnetism and electronic properties in manganite $$hbox {La}_{0.6}hbox {A}_{0.1}hbox {Sr}_{0.3}hbox {MnO}_{3}$$ La 0.6 A 0.1 Sr 0.3 MnO 3 (A = Sm, Dy, Er). Journal of Materials Science, 2015, 50, 2130-2137.	3.7	30
3	From nanowires to nanoislands: Morphological evolutions of erbium silicide nanostructures formed on the vicinal Si(001) surface. Journal of Applied Physics, 2006, 100, 114312.	2.5	27
4	Fabrication of Stable and Flexible Nanocomposite Membranes Comprised of Cellulose Nanofibers and Graphene Oxide for Nanofluidic Ion Transport. ACS Applied Nano Materials, 2019, 2, 4193-4202.	5.0	25
5	Origin of the codopant-induced enhancement of ferromagnetism in (Zn,Mn)O: Density functional calculations. Physical Review B, 2009, 79, .	3.2	23
6	Origin of ferromagnetism in Cu-doped SnO2: A first-principles study. Journal of Applied Physics, 2013, 113, .	2.5	20
7	Magnetic field-driven 3D-Heisenberg-like phase transition in single crystalline helimagnet FeGe. Applied Physics Letters, 2017, 111, .	3.3	19
8	Thickness-dependent anisotropic transport of phonons and charges in few-layered PdSe₂. Physical Chemistry Chemical Physics, 2021, 23, 18869-18884.	2.8	17
9	High optical transmittance and anomalous electronic transport in flexible transparent conducting oxides <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0022.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ba</mml:mi></mml:mrow><mml:mrow><mml:mn>0.96</mml:m Ceramics International, 2018, 44, 18001-18006.	4.8	16
10	Suppression of ferromagnetism and metal-like conductivity in lightly Fe-doped SrRuO3. Journal of Applied Physics, 2011, 110, 043907.	2.5	15
11	Rudermanâ€“Kittelâ€“Kasuyaâ€“Yosida Mechanism for Magnetic Ordering of Sparse Fe Adatoms on Graphene. Journal of Physical Chemistry C, 2019, 123, 4441-4445.	3.1	14
12	Enhancement of ferromagnetism in Î´-(Zn,Mn,Li)Se by shape deformation: Based on Zenerâ€™s double exchange. Journal of Alloys and Compounds, 2015, 644, 341-345.	5.5	12
13	Extend NdJ relationship with the size, multiple exchanges and Dzyaloshinskii-Moriya interaction for NÃ©el skyrmions in hexagonal magnetic interfaces. Journal of Magnetism and Magnetic Materials, 2020, 507, 166805.	2.3	12
14	Thickness-dependent thermoelectric transporting properties of few-layered SnSe. Journal of Alloys and Compounds, 2022, 894, 162542.	5.5	12
15	Spinâ€“lattice correlations in Pr_{0.55}Sr_{0.45}MnO₃ studied by electron paramagnetic resonance. Physica Status Solidi (B): Basic Research, 2012, 249, 1634-1638.	1.5	11
16	Shape deformation induced enhancement of ferromagnetism in Î´-(Ga,â€‰Mn)As. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2234-2238.	2.1	11
17	First-principles study on the anisotropic transport of electrons and phonons in monolayer and bulk GaTe: a comparative study. Physical Chemistry Chemical Physics, 2020, 22, 15270-15280.	2.8	11
18	Critical exponents of the second-order manganite Nd_{0.5}Sr_{0.25}Ca_{0.25}MnO₃determined from magnetic entropy change measurements. Phase Transitions, 2014, 87, 676-684.	1.3	8

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19	Density functional study on the ferromagnetism of alkaline earth doped InN. Journal of Alloys and Compounds, 2015, 625, 101-106.	5.5	8
20	Fabrication and magneticâ€“electronic properties of van der Waals Cr₄Te₅ ferromagnetic films. CrystEngComm, 2022, 24, 674-680.	2.6	7
21	Tuning the size of skyrmion by strain at the Co/Pt3 interfaces. IScience, 2022, 25, 104039.	4.1	7
22	Electron paramagnetic resonance studies on manganite Pr0.5Sr0.5Mn1â^'x Ga x O3 (x=0 and 0.05). Applied Physics A: Materials Science and Processing, 2013, 112, 397-402.	2.3	6
23	Investigation of Magnetic Entropy Change and Griffiths-like Phase in La0.65Ca0.35MnO3 Nanocrystalline. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2779-2786.	1.8	6
24	Prediction of quantum anomalous Hall effect and giant magnetic anisotropy in graphene with adsorbed Ir-based dimers. Journal of Applied Physics, 2019, 125, 193903.	2.5	6
25	Strong phonon-magnon coupling of an O/Fe(001) surface. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	6
26	Magnetic properties of Mn-doped monolayer MoS2. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 414, 127636.	2.1	6
27	Ferromagnetism of Cd doped SnO2: A first-principles study. Journal of Applied Physics, 2012, 112, 043705.	2.5	5
28	Formation and binding energies of vacancies in the Al(111) surface: Density functional theory calculations confirm simple bond model. Surface Science, 2015, 637-638, 85-89.	1.9	5
29	Tuning Dzyaloshinskiiâ€“Moriya interaction via an electric field at the Co/h-BN interface. Physical Chemistry Chemical Physics, 2021, 23, 22246-22250.	2.8	5
30	Critical behavior in hexagonal Y₂Fe₁₇: magnetic interaction crossover from 3D to 2D Ising model. CrystEngComm, 2021, 23, 3411-3418.	2.6	5
31	Room-temperature ferromagnetism in Cr-doped Si achieved by controlling atomic structure, Cr concentration, and carrier densities: A first-principles study. Journal of Applied Physics, 2015, 117, 163919.	2.5	4
32	Critical Behavior of the (111)â€Oriented LaCoO₃/SrTiO₃ Thin Film. Physica Status Solidi (B): Basic Research, 2022, 259, 2100424.	1.5	4
33	Epitaxial growth and room-temperature ferromagnetism of quasi-2D layered Cr₄Te₅ thin film. Journal Physics D: Applied Physics, 2022, 55, 165001.	2.8	4
34	Phase transition and electronic structure of Zn1-x Mn x Se (xâ€‰=â€‰0 and 0.25) under high pressure. European Physical Journal B, 2009, 72, 367-373.	1.5	3
35	Critical Behavior at Paramagnetic to Ferromagnetic Phase Transition in MnFeGe Compound. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1611-1615.	1.8	3
36	Magnetic Orders and Electronic Structures of Compressive- and Tensile-Strained KCa2Fe4As4F2 Films. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1377-1383.	1.8	2

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37	Complex magnetism of Mn-based Pnma ternary alloys: Three exchange interactions induced by the position of Mn atoms. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2370-2373.	2.1	1
38	Competition between Zener's double exchange and pâ€“d exchange in Î´-(Zn,â€‰Mn,â€‰Li)Se with shape deformation: LDA + U calculations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2871-2875.	2.1	1
39	Long range ferromagnetism in (Zn, Mn, Li)Se with competition between double exchange and pâ€“d exchange. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1169-1173.	2.1	1
40	Vacancy-defect effect on the electronic and optical properties of Pmm2 BC2N: A first-principles study. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125933.	2.1	1
41	Ferromagnetism and Carrier Transport in n-type Diluted Magnetic Semiconductors Ge0.96â^'xBixFe0.04Te Thin Film. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2647-2653.	1.8	1
42	Magnetic exchange interaction in two-dimensional lattice under generalized Bloch condition. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 017105.	0.5	1
43	Variation of exchange energy in Î´-(Ga,Mn)As films under tensile strain: PBE and LDA+U calculations. RSC Advances, 2015, 5, 89139-89143.	3.6	0
44	Strong ferromagnetism of two-dimensional Î´â€“(Zn,Cr)S with shape deformation in both PBE and LDA+U calculations. Physica B: Condensed Matter, 2018, 545, 285-288.	2.7	0
45	MnæŽºæ‚MoSe2åŠç›¸å…³å¼‚è´¨ç»“çš„åŠé‡‘å±žé“ç£æ€§. Scientia Sinica: Physica, Mechanica Et Astronomica, 2021,	0.4	0