

Yan Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
19	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
20	Ferromagnetism and Carrier Transport in n-type Diluted Magnetic Semiconductors Ge _{0.96} As _x Bi _x Fe _{0.04} Te Thin Film. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2647-2653.	1.8	1
21	High optical transmittance and anomalous electronic transport in flexible transparent conducting oxides $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0022.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Ba} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{0.96} \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{16} \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{16}$. Ceramics International, 2018, 44, 18001-18006.	4.8	16
22	Strong ferromagnetism of two-dimensional $\hat{\Gamma}$ -(Zn,Cr)S with shape deformation in both PBE and LDA+U calculations. Physica B: Condensed Matter, 2018, 545, 285-288.	2.7	0
23	Long range ferromagnetism in (Zn, Mn, Li)Se with competition between double exchange and p-d exchange. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1169-1173.	2.1	1
24	Magnetic field-driven 3D-Heisenberg-like phase transition in single crystalline helimagnet FeGe. Applied Physics Letters, 2017, 111, .	3.3	19
25	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
26	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
27	Critical Behavior at Paramagnetic to Ferromagnetic Phase Transition in MnFeGe Compound. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1611-1615.	1.8	3
28	Effect of A-site average radius and cation disorder on magnetism and electronic properties in manganite $\text{La}_{0.6}\text{A}_{0.1}\text{Sr}_{0.3}\text{MnO}_3$ (A = Sm, Dy, Er). Journal of Materials Science, 2015, 50, 2130-2137.	3.7	30
29	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
30	Enhancement of ferromagnetism in $\hat{\Gamma}$ -(Zn,Mn,Li)Se by shape deformation: Based on Zener's double exchange. Journal of Alloys and Compounds, 2015, 644, 341-345.	5.5	12
31	Competition between Zener's double exchange and p-d exchange in $\hat{\Gamma}$ -(Zn,Mn,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
32	Variation of exchange energy in $\hat{\Gamma}$ -(Ga,Mn)As films under tensile strain: PBE and LDA+U calculations. RSC Advances, 2015, 5, 89139-89143.	3.6	0
33	Density functional study on the ferromagnetism of alkaline earth doped InN. Journal of Alloys and Compounds, 2015, 625, 101-106.	5.5	8
34	Shape deformation induced enhancement of ferromagnetism in $\hat{\Gamma}$ -(Ga,Mn)As. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2234-2238.	2.1	11
35	Critical exponents of the second-order manganite $\text{Nd}_{0.5}\text{Sr}_{0.25}\text{Ca}_{0.25}\text{MnO}_3$ determined from magnetic entropy change measurements. Phase Transitions, 2014, 87, 676-684.	1.3	8
36	Investigation of Magnetic Entropy Change and Griffiths-like Phase in $\text{La}_{0.65}\text{Ca}_{0.35}\text{MnO}_3$ Nanocrystalline. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2779-2786.	1.8	6

#	ARTICLE	IF	CITATIONS
37	Electron paramagnetic resonance studies on manganite $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{Mn}_{1-x}\text{Ga}_x\text{O}_3$ ($x=0$ and 0.05). Applied Physics A: Materials Science and Processing, 2013, 112, 397-402.	2.3	6
38	Origin of ferromagnetism in Cu-doped SnO_2 : A first-principles study. Journal of Applied Physics, 2013, 113, .	2.5	20
39	Ferromagnetism of Cd doped SnO_2 : A first-principles study. Journal of Applied Physics, 2012, 112, 043705.	2.5	5
40	Spin \hat{c} lattice correlations in $\text{Pr}_{0.55}\text{Sr}_{0.45}\text{MnO}_3$ studied by electron paramagnetic resonance. Physica Status Solidi (B): Basic Research, 2012, 249, 1634-1638.	1.5	11
41	Suppression of ferromagnetism and metal-like conductivity in lightly Fe-doped SrRuO_3 . Journal of Applied Physics, 2011, 110, 043907.	2.5	15
42	Origin of the codopant-induced enhancement of ferromagnetism in $(\text{Zn},\text{Mn})\text{O}$: Density functional calculations. Physical Review B, 2009, 79, .	3.2	23
43	Phase transition and electronic structure of $\text{Zn}_{1-x}\text{Mn}_x\text{Se}$ ($x=0$ and 0.25) under high pressure. European Physical Journal B, 2009, 72, 367-373.	1.5	3
44	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
45	From nanowires to nanoislands: Morphological evolutions of erbium silicide nanostructures formed on the vicinal $\text{Si}(001)$ surface. Journal of Applied Physics, 2006, 100, 114312.	2.5	27