Zhongpo Zhou

List of Publications by Year
in descending order

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Version: 2024-02-01

43 papers	761 citations	759233 12 h-index	526287 27 g-index
43 all docs	43 docs citations	43 times ranked	1128 citing authors

#	Article	IF	Citations
1	Electronic structure studies of the spinel CoFe2O4 by X-ray photoelectron spectroscopy. Applied Surface Science, 2008, 254, 6972-6975.	6.1	336
2	Transition metal (Pd, Pt, Ag, Au) decorated InN monolayer and their adsorption properties towards NO2: Density functional theory study. Applied Surface Science, 2018, 455, 106-114.	6.1	48
3	Adsorption of NOx (xâ€¯=â€¯1, 2) gas molecule on pristine and B atom embedded Î³-graphyne based on first-principles study. Applied Surface Science, 2018, 455, 484-491.	6.1	35
4	Electronic structure and optical properties for blue phosphorene/graphene-like GaN van der Waals heterostructures. Current Applied Physics, 2017, 17, 1714-1720.	2.4	34
5	Carrier dynamics in two-dimensional perovskites: Dionâ€“Jacobson vs. Ruddlesdenâ€“Popper thin films. Journal of Materials Chemistry A, 2022, 10, 3069-3076.	10.3	30
6	Tunable Electric Properties of Bilayer Î±-GeTe with Different Interlayer Distances and External Electric Fields. Nanoscale Research Letters, 2018, 13, 400.	5.7	25
7	WS₂/BSe van der Waals type-II heterostructure as a promising water splitting photocatalyst. Materials Research Express, 2019, 6, 035513.	1.6	20
8	Intrinsic defect-mediated magnetism in Feâ€“N codoped TiO 2. Journal of Alloys and Compounds, 2016, 657, 372-378.	5.5	18
9	Cu2O clusters decorated on flower-like TiO2 nanorod array film for enhanced hydrogen production under solar light irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 351, 78-86.	3.9	18
10	A first-principles investigation of double transition metal atoms embedded C2N monolayer as a promising SF6 gas adsorbent and scavenger. Materials Chemistry and Physics, 2020, 240, 122184.	4.0	17
11	Tuning Electronic Properties of Blue Phosphorene/Graphene-Like GaN van der Waals Heterostructures by Vertical External Electric Field. Nanoscale Research Letters, 2019, 14, 174.	5.7	16
12	Effect of oxygen vacancies and Ag deposition on the magnetic properties of Ag/N co-doped TiO2 single-crystal films. Materials Research Bulletin, 2018, 102, 337-341.	5.2	15
13	Tunable Schottky barrier in InTe/graphene van der Waals heterostructure. Nanotechnology, 2020, 31, 335201.	2.6	14
14	Effect of Au clustering on ferromagnetism in Au doped TiO2 films: theory and experiments investigation. Journal of Physics and Chemistry of Solids, 2017, 100, 71-77.	4.0	12
15	Investigations on the origin of ferromagnetism of Cu doped anatase TiO 2 nanotubes. Materials Research Bulletin, 2017, 86, 287-294.	5.2	11
16	Schottky barrier modulation of a GaTe/graphene heterostructure by interlayer distance and perpendicular electric field. Nanotechnology, 2019, 30, 405207.	2.6	11
17	Observation of Hole Transfer in MoS₂/WS₂ Van der Waals Heterostructures. ACS Photonics, 2022, 9, 1709-1716.	6.6	10
18	Magnetic field aligned orderly arrangement of Fe ₃ O ₄ nanoparticles in CS/PVA/Fe ₃ O ₄ membranes. Chinese Physics B, 2018, 27, 027805.	1.4	8

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19	Ultrafast investigation of intramolecular proton transfer dynamics and vibration relaxation in 1,8-dihydroxyanthraquinone. Journal of Molecular Structure, 2021, 1229, 129502.	3.6	7
20	Magnetic properties of Moâ€“N co-doped TiO2 anatase nanotubes films. Journal of Materials Science: Materials in Electronics, 2017, 28, 207-213.	2.2	6
21	Excitation Wavelength and Intensity-Dependent Multiexciton Dynamics in CsPbBr3 Nanocrystals. Nanomaterials, 2021, 11, 463.	4.1	6
22	Identification of a bridge-specific intramolecular exciton dissociation pathway in donorâ€“Ïâ€“acceptor alternating conjugated polymers. Nanoscale Research Letters, 2021, 16, 51.	5.7	6
23	Room temperature ferromagnetism and hopping transport in amorphous CrN thin films. Thin Solid Films, 2011, 519, 1989-1992.	1.8	5
24	Effect of annealing temperature on magnetic property of Si1â^'xCrx thin films. Thin Solid Films, 2011, 520, 769-773.	1.8	5
25	Structural Characterization of Nickel-Base Alloy C-276 Irradiated with Ar Ions. Plasma Science and Technology, 2012, 14, 548-552.	1.5	5
26	Origin of Ferromagnetism in Ru and N Codoped TiO2 Nanotubes: Experiments and Theory Investigations. Journal of Nanomaterials, 2017, 2017, 1-7.	2.7	5
27	Annealing temperature effects on ferromagnetism and structure of Si1â^'xMnx films prepared by magnetron sputtering. Vacuum, 2012, 86, 1358-1362.	3.5	4
28	The origin of ferromagnetism of Co-doped TiO2 nanoparticles: Experiments and theory investigation. Modern Physics Letters B, 2016, 30, 1650296.	1.9	4
29	Ultra-bright pure green perovskite light-emitting diodes. Applied Physics Letters, 2021, 118, .	3.3	4
30	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mtext>Fe + N</mml:mtext></mml:mrow></mml:math>Noncompensated Codoping TiO₂Nanowires: The Enhanced Visible Light Photocatalytic Properties. International Journal of Photoenergy, 2014, 2014, 1-7.	2.5	3
31	Microstructure and magnetic properties of In1â^'xCrxN thin films. Materials Science in Semiconductor Processing, 2015, 31, 147-152.	4.0	3
32	Oxygen Defect-Mediated Magnetism in Fe-C Codoped TiO₂. Advances in Materials Science and Engineering, 2016, 2016, 1-7.	1.8	3
33	Electronic and Magnetic Properties Studies on Mn and Oxygen Vacancies Codoped Anatase TiO₂. Advances in Condensed Matter Physics, 2016, 2016, 1-7.	1.1	3
34	Hot excitons cooling and multiexcitons Auger recombination in PbS quantum dots. Nanotechnology, 2021, 32, 185701.	2.6	3
35	Multiexciton dynamics in CsPbBr₃ nanocrystals: the dependence on pump fluence and temperature. Nanotechnology, 2021, 32, 455702.	2.6	3
36	Enhancement of saturation magnetization in Cr-ion implanted silicon by high temperature annealing. Applied Surface Science, 2011, 257, 8465-8468.	6.1	2

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37	Effects of Si-doping on magnetic properties of Ga1â^'xCrxN. Journal of Magnetism and Magnetic Materials, 2015, 374, 564-568.	2.3	2
38	Interfacial States and Fanoâ€“Feshbach Resonance in Grapheneâ€“Silicon Vertical Junction. Nano Letters, 2019, 19, 6765-6771.	9.1	2
39	Investigations on the origin of ferromagnetism in Ga 1â^'x Cr x N and Si-doped Ga 1â^'x Cr x N films: Experiments and theory. Journal of Alloys and Compounds, 2016, 658, 800-805.	5.5	1
40	Ferromagnetic Properties of N-Doped and Undoped TiO2 Rutile Single-Crystal Wafers with Addition of Tungsten Trioxide. Materials, 2018, 11, 1934.	2.9	1
41	Carrier Concentration Effect of Cu-Doped ZnO Films for Room Temperature Ferromagnetism. Japanese Journal of Applied Physics, 2012, 51, 103003.	1.5	0
42	Structure and magnetic properties of CrN thin films on La0.67Sr0.33MnO3. Current Applied Physics, 2018, 18, 1320-1326.	2.4	0
43	Efficiency improvement in organic solar cells by doping cholesteric liquid crystal. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 248403.	0.5	0