

# Zhongpo Zhou

## List of Publications by Year in descending order

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43  
papers

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citations

759233

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#	ARTICLE	IF	CITATIONS
1	Carrier dynamics in two-dimensional perovskites: Dionâ€“Jacobson vs. Ruddlesdenâ€“Popper thin films. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3069-3076.	10.3	30
2	Observation of Hole Transfer in MoS <sub>2</sub> /WS <sub>2</sub> Van der Waals Heterostructures. <i>ACS Photonics</i> , 2022, 9, 1709-1716.	6.6	10
3	Ultrafast investigation of intramolecular proton transfer dynamics and vibration relaxation in 1,8-dihydroxyanthraquinone. <i>Journal of Molecular Structure</i> , 2021, 1229, 129502.	3.6	7
4	Hot excitons cooling and multiexcitons Auger recombination in PbS quantum dots. <i>Nanotechnology</i> , 2021, 32, 185701.	2.6	3
5	Excitation Wavelength and Intensity-Dependent Multiexciton Dynamics in CsPbBr <sub>3</sub> Nanocrystals. <i>Nanomaterials</i> , 2021, 11, 463.	4.1	6
6	Identification of a bridge-specific intramolecular exciton dissociation pathway in donorâ€“acceptor alternating conjugated polymers. <i>Nanoscale Research Letters</i> , 2021, 16, 51.	5.7	6
7	Ultra-bright pure green perovskite light-emitting diodes. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	4
8	Multiexciton dynamics in CsPbBr <sub>3</sub> nanocrystals: the dependence on pump fluence and temperature. <i>Nanotechnology</i> , 2021, 32, 455702.	2.6	3
9	A first-principles investigation of double transition metal atoms embedded C <sub>2</sub> N monolayer as a promising SF <sub>6</sub> gas adsorbent and scavenger. <i>Materials Chemistry and Physics</i> , 2020, 240, 122184.	4.0	17
10	Tunable Schottky barrier in InTe/graphene van der Waals heterostructure. <i>Nanotechnology</i> , 2020, 31, 335201.	2.6	14
11	Schottky barrier modulation of a GaTe/graphene heterostructure by interlayer distance and perpendicular electric field. <i>Nanotechnology</i> , 2019, 30, 405207.	2.6	11
12	Tuning Electronic Properties of Blue Phosphorene/Graphene-Like GaN van der Waals Heterostructures by Vertical External Electric Field. <i>Nanoscale Research Letters</i> , 2019, 14, 174.	5.7	16
13	Interfacial States and Fanoâ€“Feshbach Resonance in Grapheneâ€“Silicon Vertical Junction. <i>Nano Letters</i> , 2019, 19, 6765-6771.	9.1	2
14	WS <sub>2</sub> /BSe van der Waals type-II heterostructure as a promising water splitting photocatalyst. <i>Materials Research Express</i> , 2019, 6, 035513.	1.6	20
15	Effect of oxygen vacancies and Ag deposition on the magnetic properties of Ag/N co-doped TiO <sub>2</sub> single-crystal films. <i>Materials Research Bulletin</i> , 2018, 102, 337-341.	5.2	15
16	Magnetic field aligned orderly arrangement of Fe <sub>3</sub> O <sub>4</sub> nanoparticles in CS/PVA/Fe <sub>3</sub> O <sub>4</sub> membranes. <i>Chinese Physics B</i> , 2018, 27, 027805.	1.4	8
17	Cu <sub>2</sub> O clusters decorated on flower-like TiO <sub>2</sub> nanorod array film for enhanced hydrogen production under solar light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 351, 78-86.	3.9	18
18	Tunable Electric Properties of Bilayer $\pm$ -GeTe with Different Interlayer Distances and External Electric Fields. <i>Nanoscale Research Letters</i> , 2018, 13, 400.	5.7	25

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19	Ferromagnetic Properties of N-Doped and Undoped TiO <sub>2</sub> Rutile Single-Crystal Wafers with Addition of Tungsten Trioxide. <i>Materials</i> , 2018, 11, 1934.	2.9	1
20	Adsorption of NO <sub>x</sub> (x=1, 2) gas molecule on pristine and B atom embedded <sup>13</sup> C-graphyne based on first-principles study. <i>Applied Surface Science</i> , 2018, 455, 484-491.	6.1	35
21	Transition metal (Pd, Pt, Ag, Au) decorated InN monolayer and their adsorption properties towards NO <sub>2</sub> : Density functional theory study. <i>Applied Surface Science</i> , 2018, 455, 106-114.	6.1	48
22	Structure and magnetic properties of CrN thin films on La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> . <i>Current Applied Physics</i> , 2018, 18, 1320-1326.	2.4	0
23	Electronic structure and optical properties for blue phosphorene/graphene-like GaN van der Waals heterostructures. <i>Current Applied Physics</i> , 2017, 17, 1714-1720.	2.4	34
24	Investigations on the origin of ferromagnetism of Cu doped anatase TiO <sub>2</sub> nanotubes. <i>Materials Research Bulletin</i> , 2017, 86, 287-294.	5.2	11
25	Magnetic properties of Mo-N co-doped TiO <sub>2</sub> anatase nanotubes films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 207-213.	2.2	6
26	Effect of Au clustering on ferromagnetism in Au doped TiO <sub>2</sub> films: theory and experiments investigation. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 100, 71-77.	4.0	12
27	Origin of Ferromagnetism in Ru and N Codoped TiO <sub>2</sub> Nanotubes: Experiments and Theory Investigations. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-7.	2.7	5
28	Oxygen Defect-Mediated Magnetism in Fe-C Codoped TiO <sub>2</sub> . <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-7.	1.8	3
29	Electronic and Magnetic Properties Studies on Mn and Oxygen Vacancies Codoped Anatase TiO <sub>2</sub> . <i>Advances in Condensed Matter Physics</i> , 2016, 2016, 1-7.	1.1	3
30	The origin of ferromagnetism of Co-doped TiO <sub>2</sub> nanoparticles: Experiments and theory investigation. <i>Modern Physics Letters B</i> , 2016, 30, 1650296.	1.9	4
31	Intrinsic defect-mediated magnetism in Fe-N codoped TiO <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , 2016, 657, 372-378.	5.5	18
32	Investigations on the origin of ferromagnetism in Ga <sub>1-x</sub> Cr <sub>x</sub> N and Si-doped Ga <sub>1-x</sub> Cr <sub>x</sub> N films: Experiments and theory. <i>Journal of Alloys and Compounds</i> , 2016, 658, 800-805.	5.5	1
33	Effects of Si-doping on magnetic properties of Ga <sub>1-x</sub> Cr <sub>x</sub> N. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 374, 564-568.	2.3	2
34	Microstructure and magnetic properties of In <sub>1-x</sub> Cr <sub>x</sub> N thin films. <i>Materials Science in Semiconductor Processing</i> , 2015, 31, 147-152.	4.0	3
35	$\text{Fe} + \text{N}$ Noncompensated Codoping TiO <sub>2</sub> Nanowires: The Enhanced Visible Light Photocatalytic Properties. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-7.	2.5	3
36	Efficiency improvement in organic solar cells by doping cholesteric liquid crystal. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2014, 63, 248403.	0.5	0

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37	Structural Characterization of Nickel-Base Alloy C-276 Irradiated with Ar Ions. Plasma Science and Technology, 2012, 14, 548-552.	1.5	5
38	Carrier Concentration Effect of Cu-Doped ZnO Films for Room Temperature Ferromagnetism. Japanese Journal of Applied Physics, 2012, 51, 103003.	1.5	0
39	Annealing temperature effects on ferromagnetism and structure of Si $_{1-x}$ Mn $_x$ films prepared by magnetron sputtering. Vacuum, 2012, 86, 1358-1362.	3.5	4
40	Room temperature ferromagnetism and hopping transport in amorphous CrN thin films. Thin Solid Films, 2011, 519, 1989-1992.	1.8	5
41	Effect of annealing temperature on magnetic property of Si $_{1-x}$ Cr $_x$ thin films. Thin Solid Films, 2011, 520, 769-773.	1.8	5
42	Enhancement of saturation magnetization in Cr-ion implanted silicon by high temperature annealing. Applied Surface Science, 2011, 257, 8465-8468.	6.1	2
43	Electronic structure studies of the spinel CoFe $_2$ O $_4$ by X-ray photoelectron spectroscopy. Applied Surface Science, 2008, 254, 6972-6975.	6.1	336