

# Yajie Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10995775/publications.pdf>

Version: 2024-02-01

153  
papers

7,602  
citations

53794

45  
h-index

60623

81  
g-index

155  
all docs

155  
docs citations

155  
times ranked

8550  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in processing and applications of microwave ferrites. Journal of Magnetism and Magnetic Materials, 2009, 321, 2035-2047.	2.3	696
2	Facile solvothermal synthesis of hierarchical flower-like Bi <sub>2</sub> MoO <sub>6</sub> hollow spheres as high performance visible-light driven photocatalysts. Journal of Materials Chemistry, 2011, 21, 887-892.	6.7	427
3	Giant Electric Field Tuning of Magnetic Properties in Multiferroic Ferrite/Ferroelectric Heterostructures. Advanced Functional Materials, 2009, 19, 1826-1831.	14.9	387
4	Oxygen-defect-induced magnetism to 880 K in semiconducting anatase TiO <sub>2</sub> films. Journal of Physics Condensed Matter, 2006, 18, L355-L361.	1.8	256
5	3D hierarchical flower-like TiO <sub>2</sub> nanostructure: morphology control and its photocatalytic property. CrystEngComm, 2011, 13, 2994.	2.6	237
6	Hierarchical MoS <sub>2</sub> /Bi <sub>2</sub> MoO <sub>6</sub> composites with synergistic effect for enhanced visible photocatalytic activity. Applied Catalysis B: Environmental, 2015, 164, 40-47.	20.2	237
7	NiSe@Ni <sub>0.85</sub> Se Heterostructure Nanoflake Arrays on Carbon Paper as Efficient Electrocatalysts for Overall Water Splitting. Small, 2018, 14, e1800763.	10.0	185
8	Hierarchical Core-Shell Carbon Nanofiber@ZnIn <sub>2</sub> S <sub>4</sub> Composites for Enhanced Hydrogen Evolution Performance. ACS Applied Materials & Interfaces, 2014, 6, 13841-13849.	8.0	179
9	Cubic quantum dot/hexagonal microsphere ZnIn <sub>2</sub> S <sub>4</sub> heterophase junctions for exceptional visible-light-driven photocatalytic H <sub>2</sub> evolution. Journal of Materials Chemistry A, 2017, 5, 8451-8460.	10.3	176
10	Ba-hexaferrite films for next generation microwave devices (invited). Journal of Applied Physics, 2006, 99, 08M911.	2.5	175
11	In situ controlled growth of ZnIn <sub>2</sub> S <sub>4</sub> nanosheets on reduced graphene oxide for enhanced photocatalytic hydrogen production performance. Chemical Communications, 2013, 49, 2237.	4.1	171
12	Synthesis of ordered arrays of multiferroic NiFe <sub>2</sub> O <sub>4</sub> -Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> core-shell nanowires. Applied Physics Letters, 2007, 90, 152501.	3.3	118
13	Hierarchical composites of TiO <sub>2</sub> nanowire arrays on reduced graphene oxide nanosheets with enhanced photocatalytic hydrogen evolution performance. Journal of Materials Chemistry A, 2014, 2, 4366-4374.	10.3	112
14	Growth rate controlled synthesis of hierarchical Bi <sub>2</sub> S <sub>3</sub> /In <sub>2</sub> S <sub>3</sub> core/shell microspheres with enhanced photocatalytic activity. Scientific Reports, 2014, 4, 4027.	3.3	108
15	Hierarchical CuS hollow nanospheres and their structure-enhanced visible light photocatalytic properties. CrystEngComm, 2013, 15, 5144.	2.6	106
16	Hierarchical flake-like Bi <sub>2</sub> MoO <sub>6</sub> /TiO <sub>2</sub> bilayer films for visible-light-induced self-cleaning applications. Journal of Materials Chemistry A, 2013, 1, 6961.	10.3	102
17	Oriented barium hexaferrite thick films with narrow ferromagnetic resonance linewidth. Applied Physics Letters, 2006, 88, 062516.	3.3	100
18	Controlled synthesis of thorny anatase TiO <sub>2</sub> tubes for construction of Ag@AgBr/TiO <sub>2</sub> composites as highly efficient simulated solar-light photocatalyst. Journal of Materials Chemistry, 2012, 22, 2081-2088.	6.7	84

#	ARTICLE	IF	CITATIONS
19	In situ growth of Bi <sub>2</sub> MoO <sub>6</sub> on reduced graphene oxide nanosheets for improved visible-light photocatalytic activity. CrystEngComm, 2014, 16, 842-849.	2.6	80
20	Perpendicularly Oriented Polycrystalline BaFe <sub>11.1</sub> Sc <sub>0.9</sub> O <sub>19</sub> Hexaferrite with Narrow FMR Linewidths. Journal of the American Ceramic Society, 2008, 91, 2952-2956.	3.8	79
21	Enhanced photogenerated carrier separation in CdS quantum dot sensitized ZnFe <sub>2</sub> O <sub>4</sub> /ZnIn <sub>2</sub> S <sub>4</sub> nanosheet stereoscopic films for exceptional visible light photocatalytic H <sub>2</sub> evolution performance. Nanoscale, 2017, 9, 5912-5921.	5.6	76
22	Giant magnetoelectric coupling and E-field tunability in a laminated Ni <sub>2</sub> MnGa/lead-magnesium-niobate-lead titanate multiferroic heterostructure. Applied Physics Letters, 2008, 93, 112502.	3.3	73
23	Synthesis of hierarchical TiO <sub>2</sub> nanoflower with anatase-rutile heterojunction as Ag support for efficient visible-light photocatalytic activity. Dalton Transactions, 2013, 42, 11242.	3.3	68
24	Hierarchical SnS <sub>2</sub> /CuInS <sub>2</sub> Nanosheet Heterostructure Films Decorated with C <sub>60</sub> for Remarkable Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 9093-9101.	8.0	68
25	One-pot controlled synthesis of sea-urchin shaped Bi <sub>2</sub> S <sub>3</sub> /CdS hierarchical heterostructures with excellent visible light photocatalytic activity. Dalton Transactions, 2014, 43, 12396-12404.	3.3	67
26	Exceptional visible-light photoelectrocatalytic activity of In <sub>2</sub> O <sub>3</sub> /In <sub>2</sub> S <sub>3</sub> /CdS ternary stereoscopic porous heterostructure film for the degradation of persistent 4-fluoro-3-methylphenol. Applied Catalysis B: Environmental, 2018, 225, 477-486.	20.2	66
27	Dual-Mode Light-Emitting Lanthanide Metal-Organic Frameworks with High Water and Thermal Stability and Their Application in White LEDs. ACS Applied Materials & Interfaces, 2020, 12, 18934-18943.	8.0	65
28	Self Biased Y-Junction Circulator at $\{m K\}_{m u}$ Band. IEEE Microwave and Wireless Components Letters, 2011, 21, 292-294.	3.2	64
29	Low-loss barium ferrite quasi-single-crystals for microwave application. Journal of Applied Physics, 2007, 101, 09M501.	2.5	63
30	Electrically controlled magnetization switching in a multiferroic heterostructure. Applied Physics Letters, 2010, 97, 052502.	3.3	63
31	BiFeO <sub>3</sub> tailored low loss M-type hexaferrite composites having equivalent permeability and permittivity for very high frequency applications. Journal of Alloys and Compounds, 2015, 630, 48-53.	5.5	63
32	Screen printed thick self-biased, low-loss, barium hexaferrite films by hot-press sintering. Journal of Applied Physics, 2006, 100, 043907.	2.5	61
33	Hierarchical Composite of Ag/AgBr Nanoparticles Supported on Bi <sub>2</sub> MoO <sub>6</sub> Hollow Spheres for Enhanced Visible-Light Photocatalytic Performance. ChemPlusChem, 2013, 78, 117-123.	2.8	58
34	Enhanced Photocatalytic Hydrogen Evolution over Hierarchical Composites of ZnIn <sub>2</sub> S <sub>4</sub> Nanosheets Grown on MoS <sub>2</sub> Slices. Chemistry - an Asian Journal, 2014, 9, 1291-1297.	3.3	57
35	In situ controlled growth of well-dispersed gold nanoparticles in TiO <sub>2</sub> nanotube arrays as recyclable substrates for surface-enhanced Raman scattering. Dalton Transactions, 2012, 41, 1020-1026.	3.3	54
36	Giant magnetodielectric effect and magnetic field tunable dielectric resonance in spinel MnZn ferrite. Applied Physics Letters, 2009, 94, .	3.3	53

#	ARTICLE	IF	CITATIONS
37	Giant enhancement in the magnetostrictive effect of FeGa alloys doped with low levels of terbium. <i>Applied Physics Letters</i> , 2013, 102, 222409.	3.3	53
38	In situ formation of a ZnO/ZnSe nanonail array as a photoelectrode for enhanced photoelectrochemical water oxidation performance. <i>Nanoscale</i> , 2016, 8, 9366-9375.	5.6	52
39	Sulfur doped In <sub>2</sub> O <sub>3</sub> -CeO <sub>2</sub> hollow hexagonal prisms with carbon coating for efficient photocatalytic CO <sub>2</sub> reduction. <i>Chemical Engineering Journal</i> , 2021, 421, 129968.	12.7	52
40	Microwave and magnetic properties of self-biased barium hexaferrite screen printed thick films. <i>Journal of Applied Physics</i> , 2006, 99, 08M904.	2.5	51
41	Low loss factor Co <sub>2</sub> Z ferrite composites with equivalent permittivity and permeability for ultra-high frequency applications. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	51
42	Hierarchical FeTiO <sub>3</sub> hollow spheres for efficient simulated sunlight-driven water oxidation. <i>Nanoscale</i> , 2015, 7, 15924-15934.	5.6	50
43	Facile synthesis of well-dispersed Bi <sub>2</sub> S <sub>3</sub> nanoparticles on reduced graphene oxide and enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2016, 378, 231-238.	6.1	49
44	Quasi-one-dimensional miniature multiferroic magnetic field sensor with high sensitivity at zero bias field. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	48
45	Fabrication of size-controlled hierarchical ZnS@ZnIn <sub>2</sub> S <sub>4</sub> heterostructured cages for enhanced gas-phase CO <sub>2</sub> photoreduction. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 253-262.	9.4	47
46	Magnetic semiconducting anatase TiO <sub>2</sub> grown on (100) LaAlO <sub>3</sub> having magnetic order up to 880K. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 309, 171-175.	2.3	46
47	Enhanced microwave absorption of multiferroic Co <sub>2</sub> Z hexaferrite/BaTiO <sub>3</sub> composites with tunable impedance matching. <i>Journal of Alloys and Compounds</i> , 2015, 643, 111-115.	5.5	46
48	Large converse magnetoelectric coupling in FeCoV/lead zinc niobate-lead titanate heterostructure. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	45
49	Electronic tuning of magnetic permeability in Co <sub>2</sub> Z hexaferrite toward high frequency electromagnetic device miniaturization. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	43
50	Stable mesoporous ZnFe <sub>2</sub> O <sub>4</sub> as an efficient electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2016, 190, 186-192.	5.2	43
51	Thermally driven large magnetoresistance and magnetostriction in multifunctional magnetic FeGa-Tb alloys. <i>Acta Materialia</i> , 2014, 73, 19-26.	7.9	41
52	Visible-Light-Induced Self-Cleaning Property of Bi <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> -TiO <sub>2</sub> Composite Nanowire Arrays. <i>Langmuir</i> , 2015, 31, 5962-5969.	3.5	40
53	Enhanced charge transfer and separation of hierarchical hydrogenated TiO <sub>2</sub> nanohorns/carbon nanofibers composites decorated by NiS quantum dots for remarkable photocatalytic H <sub>2</sub> production activity. <i>Nanoscale</i> , 2018, 10, 4041-4050.	5.6	39
54	Highly dispersed of Ni <sub>0.85</sub> Se nanoparticles on nitrogen-doped graphene oxide as efficient and durable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2018, 262, 107-114.	5.2	39

#	ARTICLE	IF	CITATIONS
55	Room temperature solution synthesis of hierarchical bow-like Cu <sub>2</sub> O with high visible light driven photocatalytic activity. RSC Advances, 2012, 2, 2875.	3.6	38
56	One-step synthesis of a hierarchical Bi <sub>2</sub> S <sub>3</sub> nanoflower/n <sub>2</sub> S <sub>3</sub> nanosheet composite with efficient visible-light photocatalytic activity. CrystEngComm, 2015, 17, 8720-8727.	2.6	38
57	Recent Progress in Heavy Metal Ion Decontamination Based on Metal-Organic Frameworks. Nanomaterials, 2020, 10, 1481.	4.1	37
58	Controlled synthesis and luminescence properties of rhombic NaLn(MoO <sub>4</sub> ) <sub>2</sub> submicrocrystals. CrystEngComm, 2012, 14, 5015.	2.6	35
59	Emerging magnetodielectric materials for 5G communications: 18H hexaferrites. Acta Materialia, 2022, 231, 117854.	7.9	35
60	Influence of particle size on the magnetic spectrum of NiCuZn ferrites for electromagnetic shielding applications. Journal of Magnetism and Magnetic Materials, 2016, 401, 1093-1096.	2.3	34
61	Ni <sub>2</sub> P Entwined by Graphite Layers as a Low-Pt Electrocatalyst in Acidic Media for Oxygen Reduction. ACS Applied Materials & Interfaces, 2018, 10, 9999-10010.	8.0	34
62	Hierarchical CuS@ZnIn <sub>2</sub> S <sub>4</sub> Hollow Double-Shelled Heterojunction Octahedra Decorated with Fullerene C <sub>60</sub> for Remarkable Selectivity and Activity of CO <sub>2</sub> Photoreduction into CH <sub>4</sub> . ACS Applied Materials & Interfaces, 2022, 14, 7888-7899.	8.0	34
63	Hydrogenated TiO <sub>2</sub> /SrTiO <sub>3</sub> porous microspheres with tunable band structure for solar-light photocatalytic H <sub>2</sub> and O <sub>2</sub> evolution. Science China Materials, 2016, 59, 1003-1016.	6.3	32
64	Atomic Scale Design and Control of Cation Distribution in Hexagonal Ferrites. Physical Review Letters, 2008, 101, 067201.	7.8	31
65	Crystallographically textured self-biased W-type hexaferrites for X-band microwave applications. Journal of Applied Physics, 2013, 113, .	2.5	31
66	Large tunability of Néel temperature by growth-rate-induced cation inversion in Mn-ferrite nanoparticles. Applied Physics Letters, 2009, 94, 113109.	3.3	29
67	Efficient visible light-induced degradation of phenol on N-doped anatase TiO <sub>2</sub> with large surface area and high crystallinity. Applied Surface Science, 2010, 256, 3740-3745.	6.1	29
68	Magneto-electric effects on Sr Z-type hexaferrite at room temperature. Journal of Applied Physics, 2012, 111, .	2.5	29
69	Hierarchical Co <sub>0.85</sub> Se@CdSe/MoSe <sub>2</sub> /CdSe Sandwich-Like Heterostructured Cages for Efficient Photocatalytic CO <sub>2</sub> Reduction. Small, 2021, 17, e2100412.	10.0	29
70	Time domain analyses of the converse magnetoelectric effect in a multiferroic metallic glass-relaxor ferroelectric heterostructure. Applied Physics Letters, 2009, 95, 182501.	3.3	28
71	Ferromagnetic resonance induced large microwave magnetodielectric effect in cerium doped Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> ferrites. Scientific Reports, 2016, 6, 28206.	3.3	28
72	Particle-size distribution modified effective medium theory and validation by magneto-dielectric Co-Ti substituted BaM ferrite composites. Journal of Magnetism and Magnetic Materials, 2018, 453, 44-47.	2.3	28

#	ARTICLE	IF	CITATIONS
73	Hierarchical ZnO nanorod/ZnFe <sub>2</sub> O <sub>4</sub> nanosheet core/shell nanoarray decorated with PbS quantum dots for efficient photoelectrochemical water splitting. Journal of Alloys and Compounds, 2020, 828, 154449.	5.5	28
74	Room temperature magnetism in semiconducting films of ZnO doped with ferric ions. Journal of Applied Physics, 2006, 99, 08M109.	2.5	26
75	Microwave magnetoelectric coupling and ferromagnetic resonance frequency tuning of a $\text{CoMn}_2\text{SbGaAs/PZN-PT}$ heterostructure. Physical Review B, 2011, 83, .	3.2	26
76	Controlled synthesis and exceptional photoelectrocatalytic properties of Bi <sub>2</sub> S <sub>3</sub> /MoS <sub>2</sub> /Bi <sub>2</sub> MoO <sub>6</sub> ternary hetero-structured porous film. Journal of Colloid and Interface Science, 2019, 555, 214-223.	9.4	26
77	Competition between ferromagnetism and antiferromagnetism: origin of large magnetoresistance in polycrystalline SrRu <sub>1-x</sub> MnxO <sub>3</sub> (0 ≤ x ≤ 1). Journal of Physics Condensed Matter, 2007, 19, 266211.	1.8	25
78	Magnetoelectric effect in crystallographically textured BaTiO <sub>3</sub> films deposited on ferromagnetic metallic glass foils. Journal of Applied Physics, 2011, 109, .	2.5	24
79	Giant magnetoresistance due to magnetoelectric currents in Sr <sub>3</sub> Co <sub>2</sub> Fe <sub>24</sub> O <sub>41</sub> hexaferrites. Applied Physics Letters, 2014, 105, .	3.3	24
80	Realization of hexagonal barium ferrite thick films on Si substrates using a screen printing technique. Journal Physics D: Applied Physics, 2008, 41, 095006.	2.8	23
81	Magnetic and microwave properties of U-type hexaferrite films with high remanence and low ferromagnetic resonance linewidth. Journal of Applied Physics, 2014, 115, 17A504.	2.5	23
82	Hierarchical Ag <sub>2</sub> S/CuS Ternary Heterostructure Composite as an Efficient Visible-Light Photocatalyst. ChemCatChem, 2015, 7, 1684-1690.	3.7	23
83	Dual-ion substitution induced high impedance of Co <sub>2</sub> Z hexaferrites for ultra-high frequency applications. Acta Materialia, 2015, 98, 190-196.	7.9	23
84	Hydrogenated Cu <sub>2</sub> O@Au@CeO <sub>2</sub> Z-scheme catalyst for photocatalytic oxidation of amines to imines. Catalysis Science and Technology, 2018, 8, 5535-5543.	4.1	23
85	Solvothermal Synthesis, Characterization, and Formation Mechanism of a Single-Layer Anatase TiO <sub>2</sub> Nanosheet with a Porous Structure. European Journal of Inorganic Chemistry, 2011, 2011, 754-760.	2.0	22
86	Consequences of magnetic anisotropy in realizing practical microwave hexaferrite devices. Journal of Magnetism and Magnetic Materials, 2012, 324, 3393-3397.	2.3	22
87	Permeability spectra of Co <sub>2</sub> Z hexaferrite compacts produced via a modified aqueous co-precipitation technique. Journal of Magnetism and Magnetic Materials, 2012, 324, 3719-3722.	2.3	22
88	Nickel-Cobalt Diselenide Nanosheets Supported on Copper Nanowire Arrays for Synergistic Electrocatalytic Oxygen Evolution. Advanced Materials Interfaces, 2019, 6, 1802052.	3.7	22
89	In situ synthesis and photoluminescence of Eu <sup>3+</sup> doped Y(OH) <sub>3</sub> @ <sup>2-</sup> NaYF <sub>4</sub> core-shell nanotubes. Chemical Communications, 2011, 47, 8019.	4.1	21
90	Giant Enhancement of Magnetostrictive Response in Directionally-Solidified Fe <sub>83</sub> Ga <sub>17</sub> Er <sub>x</sub> Compounds. Materials, 2018, 11, 1039.	2.9	21

#	ARTICLE	IF	CITATIONS
91	Boosted charge transfer and photocatalytic CO <sub>2</sub> reduction over sulfur-doped C <sub>3</sub> N <sub>4</sub> porous nanosheets with embedded SnS <sub>2</sub> -SnO <sub>2</sub> nanojunctions. <i>Science China Materials</i> , 2022, 65, 400-412.	6.3	21
92	Magnetic and atomic structure parameters of Sc-doped barium hexagonal ferrites. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	20
93	Dynamic response of converse magnetoelectric effect in $\text{PMN-PT}$ -based multiferroic heterostructure. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 1149-1155.	2.3	20
94	Hierarchical NiS decorated CuO@ZnFe <sub>2</sub> O <sub>4</sub> nanoarrays as advanced photocathodes for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6174-6183.	7.1	19
95	Hierarchical CuCo <sub>2</sub> S <sub>4</sub> Nanoflake Arrays Grown on Carbon Cloth: A Remarkable Bifunctional Electrocatalyst for Overall Water Splitting. <i>ChemElectroChem</i> , 2021, 8, 1134-1140.	3.4	19
96	A potential oxide for magnetic refrigeration application: CrO <sub>2</sub> particles. <i>Journal of Physics Condensed Matter</i> , 2006, 18, L559-L566.	1.8	18
97	Preparation and Characterization of Pure $\text{Co}_2\text{Y}$ Ferrite Powders via a Scalable Aqueous Coprecipitation Method. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2994-2997.	3.8	18
98	Concurrent Core Loss Suppression and High Permeability by Introduction of Highly Insulating Intergranular Magnetic Inclusions to MnZn Ferrite. <i>IEEE Magnetics Letters</i> , 2018, 9, 1-5.	1.1	18
99	Permeability spectra of planar $\text{M-type}$ barium hexaferrites with high Snoek's product by two-step sintering. <i>Journal of the American Ceramic Society</i> , 2020, 103, 5076-5085.	3.8	18
100	Low Bias Field Hexagonal Y-Type Ferrite Phase Shifters at $\text{K}_{\text{U}}$ -Band. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 4179-4182.	2.1	17
101	Single-crystalline Bi <sub>19</sub> Br <sub>3</sub> S <sub>27</sub> nanorods with an efficiently improved photocatalytic activity. <i>CrystEngComm</i> , 2015, 17, 6120-6126.	2.6	17
102	Self-Supported NiS Nanoparticle-Coupled Ni <sub>2</sub> P Nanoflake Array Architecture: An Advanced Catalyst for Electrochemical Hydrogen Evolution. <i>ChemElectroChem</i> , 2017, 4, 1341-1348.	3.4	17
103	Numeric Simulations of a Novel Wideband Electromagnetic Band Gap Metamaterial Utilizing Oriented Cobalt-Substituted Z-Type Barium Hexaferrites. <i>IEEE Magnetics Letters</i> , 2011, 2, 0500104-0500104.	1.1	16
104	Tunable fringe magnetic fields induced by converse magnetoelectric coupling in a FeGa/PMN-PT multiferroic heterostructure. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	16
105	Enhanced photocatalytic activity and upconversion luminescence of flowerlike hierarchical Bi <sub>2</sub> MoO <sub>6</sub> microspheres by Er <sup>3+</sup> doping. <i>Journal of Materials Research</i> , 2012, 27, 1471-1475.	2.6	16
106	Crystal structure tailored microwave magnetodielectric effect in YbYFeO ceramics. <i>Journal of Alloys and Compounds</i> , 2017, 726, 1030-1039.	5.5	16
107	Achieving cadmium selenide-decorated zinc ferrite@titanium dioxide hollow core/shell nanospheres with improved light trapping and charge generation for photocatalytic hydrogen generation. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 158-167.	9.4	16
108	Topochemical growth of textured polycrystalline barium hexaferrite from oriented antiferromagnetic $\text{FeOOH}$ nanorods. <i>Nanotechnology</i> , 2009, 20, 445606.	2.6	15

#	ARTICLE	IF	CITATIONS
109	Process optimization and properties of magnetically hard cobalt carbide nanoparticles via modified polyol method. <i>Journal of Alloys and Compounds</i> , 2015, 625, 138-143.	5.5	15
110	Room temperature magnetoelectric effect of $\text{YFeO}_3$ – $\text{Y}_3\text{Fe}_5\text{O}_{12}$ ferrite composites. <i>Journal of Alloys and Compounds</i> , 2016, 656, 465-469.	5.5	15
111	Suppressed domain wall damping in planar BaM hexaferrites for miniaturization of microwave devices. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 514, 167172.	2.3	15
112	Improved charge separation and carbon dioxide photoreduction performance of surface oxygen vacancy-enriched zinc ferrite@titanium dioxide hollow nanospheres with spatially separated cocatalysts. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 1-11.	9.4	15
113	Vertically aligned anatase $\text{TiO}_2$ nanowire bundle arrays: Use as Pt support for counter electrodes in dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2013, 238, 350-355.	7.8	14
114	Magnetic properties and scale-up of nanostructured cobalt carbide permanent magnetic powders. <i>Journal of Applied Physics</i> , 2014, 115, 17A747.	2.5	14
115	Single-Point FMR Linewidth Measurement by $\text{TE}_{10}$ Rectangular Transmission Cavity Perturbation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016, 64, 3772-3780.	4.6	14
116	Enhanced Visible-Light Photoactivities of Perovskite-Type $\text{LaFeO}_3$ Nanocrystals by Simultaneously Doping $\text{Er}^{3+}$ and Coupling MgO for $\text{CO}_2$ Reduction. <i>ChemCatChem</i> , 2020, 12, 623-630.	3.7	14
117	Sandwich-Structured Hybrid of NiCo Nanoparticles-Embedded Carbon Nanotubes Grafted on $\text{C}_3\text{N}_4$ Nanosheets for Efficient Photodehydrogenative Coupling Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 24425-24434.	8.0	14
118	Converse Magnetoelectric Effect in a Fe-Ga/PMN-PT Laminated Multiferroic Heterostructure for Field Generator Applications. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 4050-4053.	2.1	13
119	Nanoscale-Driven Crystal Growth of Hexaferrite Heterostructures for Magnetoelectric Tuning of Microwave Semiconductor Integrated Devices. <i>ACS Nano</i> , 2014, 8, 11172-11180.	14.6	13
120	Tunable permittivity and permeability of low loss Z + Y-type ferrite composites for ultra-high frequency applications. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	13
121	Electromagnetic shielding effectiveness of amorphous metallic spheroidal- and flake-based magnetodielectric composites. <i>Journal of Materials Science and Technology</i> , 2021, 83, 256-263.	10.7	13
122	Microstructural, Magnetic and Microwave Properties of Large Area $\text{BaFe}_{12}\text{O}_{19}$ Thick Films ( $\sim 100 \mu\text{m}$ ) Deposited on $\text{SiO}_2/\text{Si}$ and $\text{Al}_2\text{O}_3/\text{Si}$ Substrates. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 4571-4577.	2.1	12
123	Electric field controlled magnetic hysteresis loops in a Metglas®/PMN®-PT heterostructure. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 155001.	2.8	12
124	Enhanced Microwave Absorption of $\text{SiO}_2$ -Coated $\text{Fe}_{0.65}\text{Co}_{0.35}$ Flakes at a Wide Frequency Band (1–18 GHz). <i>Journal of Electronic Materials</i> , 2016, 45, 3640-3645.	2.2	12
125	$\text{Cu}_2\text{O}$ decorated $\text{Fe}_2\text{O}_3/\text{SnS}_2$ core/shell heterostructured nanoarray photoanodes for water splitting. <i>Solar Energy</i> , 2021, 220, 843-851.	6.1	12
126	$\text{Y}_2\text{O}_3:\text{Eu}^{3+}$ composite nanotubes: synthesis, tunable photoluminescence and surface-enhanced Raman scattering. <i>CrystEngComm</i> , 2013, 15, 7484.	2.6	11



#	ARTICLE	IF	CITATIONS
127	Epitaxial growth of 100- $\mu\text{m}$ thick $\text{M}$ -type hexaferrite crystals on wide bandgap semiconductor $\text{GaN}/\text{Al}_2\text{O}_3$ substrates. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	11
128	High frequency permeability and permittivity spectra of $\text{BiFeO}_3/(\text{CoTi})\text{-BaM}$ ferrite composites. <i>Journal of Applied Physics</i> , 2015, 117, 17A306.	2.5	11
129	Magnetic Properties of a Highly Textured Barium Hexa-Ferrite Quasi-Single Crystal and Its Application in Low-Field Biased Circulators. <i>Journal of Electronic Materials</i> , 2016, 45, 5069-5073.	2.2	11
130	Effects of intrinsic magnetostriction on tube-topology magnetoelectric sensors with high magnetic field sensitivity. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	10
131	Clustering effect on permeability spectra of magneto-dielectric composites with conductive magnetic inclusions. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	10
132	A Position-Independent Approach to Accurate Measurement of Broadband Electromagnetic Constitutive Parameters of Magnetodielectric Materials. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020, 68, 4940-4950.	4.6	10
133	Large magnetocaloric effect in chromium dioxide with second-order phase transition. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 3243-3247.	2.8	9
134	Magnetocaloric effect in 4d itinerant ferromagnet $\text{SrRuO}_3$ . <i>Journal of Alloys and Compounds</i> , 2008, 459, 51-54.	5.5	9
135	Effect of Ambient Aging on Heat-Treated Mechanically Alloyed $\text{Mn-Al-C}$ Powders. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 3372-3374.	2.1	8
136	Tailoring large magnetodielectric response in core/shell $\text{CrO}_2/\text{Cr}_2\text{O}_3$ nano-rods. <i>Journal of Alloys and Compounds</i> , 2017, 692, 950-954.	5.5	8
137	Effect of Mn doping on magnetic and transport properties of $\text{SrRuO}_3$ perovskite. <i>Solid State Communications</i> , 2008, 145, 259-262.	1.9	7
138	The effect of boron addition on the atomic structure and microwave magnetic properties of $\text{FeGaB}$ thin films. <i>Journal of Applied Physics</i> , 2009, 105, 07A323.	2.5	7
139	Enhanced magnetoresistance and surface state of $\text{CrO}_2$ particles improved by chemical process. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 307, 134-138.	2.3	6
140	Pulsed laser ablation deposition of nanocrystalline exchange-coupled $\text{Ni}_{11}\text{Co}_{11}\text{Fe}_{67}\hat{x}\text{Zr}_7\text{B}_4\text{C}_x$ ( $x=0,1$ ) films for planar inductor applications. <i>Journal of Applied Physics</i> , 2007, 101, 09M519.	2.5	6
141	Enhanced Coercivity of $\text{CaLaCo}$ -Doped $\text{SrM}$ Hexaferrites by Microwave- $\text{Calcination}$ Technique. <i>Journal of the American Ceramic Society</i> , 2014, 97, 1873-1877.	3.8	5
142	Magnetic spectra and Richter aftereffect relaxation in $\text{Ce}_x\text{Y}_3\hat{x}\text{Fe}_5\text{O}_{12}$ ferrites. <i>AIP Advances</i> , 2016, 6, 055918.	1.3	5
143	Control of Room-Temperature Magnetoelectric Effect via the Initial Electric Phase State in $\text{Sr}_{-3}\text{Co}_{-2}\text{Fe}_{-24}\text{O}_{41}$ Hexaferrite. <i>IEEE Magnetics Letters</i> , 2017, 8, 1-4.	1.1	5
144	Efficient Separation of Photogenerated Charges in Sandwiched $\text{Bi}_{2}\text{S}_3/\text{BiOCl}$ Nanoarrays/ $\text{BiVO}_4$ Nanosheets Composites for Enhanced Photocatalytic Activity. <i>ChemCatChem</i> , 2020, 12, 3223-3229.	3.7	5

#	ARTICLE	IF	CITATIONS
145	Efficient charge transfer in cadmium sulfide quantum dot-decorated hierarchical zinc sulfide-coated tin disulfide cages for carbon dioxide photoreduction. <i>Journal of Colloid and Interface Science</i> , 2022, 615, 606-616.	9.4	5
146	Studies of magnetic entropy change and phase transitions in SrRu <sub>1-x</sub> MnxO <sub>3</sub> perovskite. <i>Journal of Applied Physics</i> , 2008, 103, 07B303.	2.5	4
147	Realization of Far From Equilibrium Cation Distributions in Ferrites. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 666-669.	2.1	4
148	High quality Y-type hexaferrite thick films for microwave applications by an economical and environmentally benign crystal growth technique. <i>Applied Physics Letters</i> , 2014, 104, 072411.	3.3	4
149	Structural, Magnetic, and Microwave Properties of BaFe <sub>10.5</sub> Mn <sub>1.5</sub> O <sub>19</sub> Thin Films. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 2966-2969.	2.1	3
150	Impact of Structural and Magnetic Anisotropies on Microwave Ferrites. <i>Solid State Physics</i> , 2013, , 331-347.	0.5	2
151	Equilibrium Chemical Disorder at the Surface of a Single-Crystal $\text{NiMnSb}$ Half-Heusler Alloy: Implications for Spintronics. <i>IEEE Magnetics Letters</i> , 2015, 6, 1-4.	1.1	2
152	Large microwave tunability of GaAs-based multiferroic heterostructure for applications in monolithic microwave integrated circuits. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 495002.	2.8	1
153	Dielectric Constant, Exchange Bias, and Magnetodielectric Effect in CrO <sub>2</sub> /Cr <sub>2</sub> O <sub>3</sub> Nanostructures. <i>Journal of Superconductivity and Novel Magnetism</i> , 2022, 35, 1719-1725.	1.8	1