

Jun Ding

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8977364/publications.pdf>

Version: 2024-02-01

338
papers

18,552
citations

9234

74
h-index

19136

118
g-index

342
all docs

342
docs citations

342
times ranked

21908
citing authors

#	ARTICLE	IF	CITATIONS
1	Hollow Mo-doped CoP nanoarrays for efficient overall water splitting. <i>Nano Energy</i> , 2018, 48, 73-80.	8.2	608
2	Ferromagnetism in Dilute Magnetic Semiconductors through Defect Engineering: Li-Doped ZnO. <i>Physical Review Letters</i> , 2010, 104, 137201.	2.9	428
3	In Situ Grown Epitaxial Heterojunction Exhibits High-Performance Electrocatalytic Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1705516.	11.1	375
4	Oxygen Vacancy Promoted O ₂ Activation over Perovskite Oxide for Low-Temperature CO Oxidation. <i>ACS Catalysis</i> , 2019, 9, 9751-9763.	5.5	296
5	Dual-Functional N Dopants in Edges and Basal Plane of MoS ₂ Nanosheets Toward Efficient and Durable Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2017, 7, 1602086.	10.2	286
6	Kinetically Blocked Stable Heptazethrene and Octazethrene: Closed-Shell or Open-Shell in the Ground State?. <i>Journal of the American Chemical Society</i> , 2012, 134, 14913-14922.	6.6	256
7	Chemically Exfoliated VSe ₂ Monolayers with Room-Temperature Ferromagnetism. <i>Advanced Materials</i> , 2019, 31, e1903779.	11.1	251
8	Growth of Single-Crystalline Ni and Co Nanowires via Electrochemical Deposition and Their Magnetic Properties. <i>Journal of Physical Chemistry B</i> , 2005, 109, 3094-3098.	1.2	240
9	Magnetic Molybdenum Disulfide Nanosheet Films. <i>Nano Letters</i> , 2007, 7, 2370-2376.	4.5	239
10	Metallic Ni ₃ N nanosheets with exposed active surface sites for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17363-17369.	5.2	233
11	TMD-based highly efficient electrocatalysts developed by combined computational and experimental approaches. <i>Chemical Society Reviews</i> , 2018, 47, 4332-4356.	18.7	232
12	Activating and Optimizing Activity of CoS ₂ for Hydrogen Evolution Reaction through the Synergic Effect of N Dopants and S Vacancies. <i>ACS Energy Letters</i> , 2017, 2, 1022-1028.	8.8	229
13	Correlated d ferromagnetism and photoluminescence in undoped ZnO nanowires. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	226
14	Stable Tetrabenzo-Chichibabin's Hydrocarbons: Tunable Ground State and Unusual Transition between Their Closed-Shell and Open-Shell Resonance Forms. <i>Journal of the American Chemical Society</i> , 2012, 134, 14513-14525.	6.6	218
15	Ceramic Robocasting: Recent Achievements, Potential, and Future Developments. <i>Advanced Materials</i> , 2018, 30, e1802404.	11.1	218
16	Comparative Study of Room-Temperature Ferromagnetism in Cu-Doped ZnO Nanowires Enhanced by Structural Inhomogeneity. <i>Advanced Materials</i> , 2008, 20, 3521-3527.	11.1	211
17	Single-Crystalline MFe ₂ O ₄ Nanotubes/Nanorings Synthesized by Thermal Transformation Process for Biological Applications. <i>ACS Nano</i> , 2009, 3, 2798-2808.	7.3	211
18	Optimization of surface coating on Fe ₃ O ₄ nanoparticles for high performance magnetic hyperthermia agents. <i>Journal of Materials Chemistry</i> , 2012, 22, 8235.	6.7	208

#	ARTICLE	IF	CITATIONS
19	Synthesis of ZnO Nanoparticles with Tunable Emission Colors and Their Cell Labeling Applications. Chemistry of Materials, 2010, 22, 3383-3388.	3.2	204
20	3D-Printed MOF-Derived Hierarchically Porous Frameworks for Practical High-Energy Density Li-O ₂ Batteries. Advanced Functional Materials, 2019, 29, 1806658.	7.8	197
21	Low temperature propane oxidation over Co ₃ O ₄ based nano-array catalysts: Ni dopant effect, reaction mechanism and structural stability. Applied Catalysis B: Environmental, 2016, 180, 150-160.	10.8	174
22	Nanopowders Synthesized by Mechanochemical Processing. Advanced Materials, 2001, 13, 1008-1010.	11.1	171
23	Pushing Extended <i>p</i> -Quinodimethanes to the Limit: Stable Tetracyano-oligo(<i>N</i> -annulated) Tj ETQq1 1 0.784314 rgBT /Ove 2013, 135, 6363-6371.	6.6	170
24	Dibenzoheptazethrene Isomers with Different Biradical Characters: An Exercise of Clar's Aromatic Sextet Rule in Singlet Biradicaloids. Journal of the American Chemical Society, 2013, 135, 18229-18236.	6.6	167
25	Magnetic Vortex Nanorings: A New Class of Hyperthermia Agent for Highly Efficient In Vivo Regression of Tumors. Advanced Materials, 2015, 27, 1939-1944.	11.1	165
26	Monodisperse silicananoparticles encapsulating upconversion fluorescent and superparamagnetic nanocrystals. Chemical Communications, 2008, , 694-696.	2.2	160
27	Robust Room-Temperature Ferromagnetism with Giant Anisotropy in Nd-Doped ZnO Nanowire Arrays. Nano Letters, 2012, 12, 3994-4000.	4.5	157
28	Carbon Nanotube-Encapsulated Noble Metal Nanoparticle Hybrid as a Cathode Material for Li-Oxygen Batteries. Advanced Functional Materials, 2014, 24, 6516-6523.	7.8	157
29	Studies of magnetite nanoparticles synthesized by thermal decomposition of iron (III) acetylacetonate in tri(ethylene glycol). Journal of Magnetism and Magnetic Materials, 2009, 321, 3093-3098.	1.0	147
30	Toward Two-Dimensional π -Conjugated Covalent Organic Radical Frameworks. Angewandte Chemie - International Edition, 2018, 57, 8007-8011.	7.2	140
31	Design and Manufacture of 3D-Printed Batteries. Joule, 2021, 5, 89-114.	11.7	137
32	Quantum Dot Capped Magnetite Nanorings as High Performance Nanoprobe for Multiphoton Fluorescence and Magnetic Resonance Imaging. Journal of the American Chemical Society, 2010, 132, 14803-14811.	6.6	132
33	Enhanced oxygen evolution reaction by Co-O-C bonds in rationally designed Co ₃ O ₄ /graphene nanocomposites. Nano Energy, 2017, 33, 445-452.	8.2	131
34	Activating Basal Planes and S-Terminated Edges of MoS ₂ toward More Efficient Hydrogen Evolution. Advanced Functional Materials, 2017, 27, 1604943.	7.8	131
35	Synthesis of Magnetite Nanooctahedra and Their Magnetic Field-Induced Two-/Three-Dimensional Superstructure. Chemistry of Materials, 2010, 22, 3183-3191.	3.2	128
36	Synthesis of magnetite nanoparticles via a solvent-free thermal decomposition route. Journal of Magnetism and Magnetic Materials, 2009, 321, 1256-1259.	1.0	126

#	ARTICLE	IF	CITATIONS
37	Orientation Mediated Enhancement on Magnetic Hyperthermia of Fe ₃ O ₄ Nanodisc. <i>Advanced Functional Materials</i> , 2015, 25, 812-820.	7.8	121
38	Higher Order π -Conjugated Polycyclic Hydrocarbons with Open-Shell Singlet Ground State: Nonazethrene versus Nonacene. <i>Journal of the American Chemical Society</i> , 2016, 138, 10323-10330.	6.6	118
39	Rylene Ribbons with Unusual Diradical Character. <i>CheM</i> , 2017, 2, 81-92.	5.8	116
40	Synthesis of nonstoichiometric zinc ferrite nanoparticles with extraordinary room temperature magnetism and their diverse applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2875.	2.7	115
41	Dual π -Native Vacancy Activated Basal Plane and Conductivity of MoSe ₂ with High π -Efficiency Hydrogen Evolution Reaction. <i>Small</i> , 2018, 14, e1704150.	5.2	114
42	Synthesis of Manganese Ferrite/Graphene Oxide Nanocomposites for Biomedical Applications. <i>Small</i> , 2012, 8, 3620-3630.	5.2	113
43	Boosting catalytic propane oxidation over PGM-free Co ₃ O ₄ nanocrystal aggregates through chemical leaching: A comparative study with Pt and Pd based catalysts. <i>Applied Catalysis B: Environmental</i> , 2018, 226, 585-595.	10.8	113
44	Multimodality treatment of cancer with herceptin conjugated, thermomagnetic iron oxides and docetaxel loaded nanoparticles of biodegradable polymers. <i>Biomaterials</i> , 2012, 33, 7519-7529.	5.7	111
45	Macrocyclic Polyradicaloids with Unusual Super-ring Structure and Global Aromaticity. <i>CheM</i> , 2018, 4, 1586-1595.	5.8	110
46	Activation of the MoSe ₂ basal plane and Se-edge by B doping for enhanced hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 510-515.	5.2	110
47	Manipulating the surface coating of ultra-small Gd ₂ O ₃ nanoparticles for improved T1-weighted MR imaging. <i>Biomaterials</i> , 2014, 35, 1636-1642.	5.7	108
48	3D-printed electrodes for lithium metal batteries with high areal capacity and high-rate capability. <i>Energy Storage Materials</i> , 2020, 24, 336-342.	9.5	105
49	Toward Tetraradicaloid: The Effect of Fusion Mode on Radical Character and Chemical Reactivity. <i>Journal of the American Chemical Society</i> , 2016, 138, 1065-1077.	6.6	103
50	3D-Printed Anti-Fouling Cellulose Mesh for Highly Efficient Oil/Water Separation Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13787-13795.	4.0	102
51	Printable two-dimensional superconducting monolayers. <i>Nature Materials</i> , 2021, 20, 181-187.	13.3	102
52	Three Dimensionally Free-Formable Graphene Foam with Designed Structures for Energy and Environmental Applications. <i>ACS Nano</i> , 2020, 14, 937-947.	7.3	101
53	3D global aromaticity in a fully conjugated diradicaloid cage at different oxidation states. <i>Nature Chemistry</i> , 2020, 12, 242-248.	6.6	101
54	Bioinspired Fractal Design of Waste Biomass π -Derived Solar π -Thermal Materials for Highly Efficient Solar Evaporation. <i>Advanced Functional Materials</i> , 2021, 31, 2007648.	7.8	98

#	ARTICLE	IF	CITATIONS
55	Defects engineering induced room temperature ferromagnetism in transition metal doped MoS ₂ . <i>Materials and Design</i> , 2017, 121, 77-84.	3.3	97
56	Mutual Ferromagnetic-Ferroelectric Coupling in Multiferroic Copper-Doped ZnO. <i>Advanced Materials</i> , 2011, 23, 1635-1640.	11.1	96
57	Magnetic nanoparticle-loaded polymer nanospheres as magnetic hyperthermia agents. <i>Journal of Materials Chemistry B</i> , 2014, 2, 120-128.	2.9	96
58	Tetracyanoquaterylene and Tetracyanohexarylenequinodimethanes with Tunable Ground States and Strong Near-Infrared Absorption. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8561-8565.	7.2	94
59	Push-Pull Type Oligo(<i>N</i> -annulated perylene)quinodimethanes: Chain Length and Solvent-Dependent Ground States and Physical Properties. <i>Journal of the American Chemical Society</i> , 2015, 137, 8572-8583.	6.6	93
60	Synthesis of ZnO-Pt nanoflowers and their photocatalytic applications. <i>Nanotechnology</i> , 2010, 21, 185606.	1.3	92
61	Tunable Electrical Conductivity and Magnetic Property of the Two Dimensional Metal Organic Framework [Cu(TPyP) ₂ (O) ₂ CCH ₃] ₄ . <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16154-16159.	4.0	92
62	A Peri-tetracene Diradicaloid: Synthesis and Properties. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9697-9701.	7.2	92
63	Vitamin E (d-alpha-tocopheryl-co-poly(ethylene glycol) 1000 succinate) micelles-superparamagnetic iron oxide nanoparticles for enhanced radiotherapy and MRI. <i>Biomaterials</i> , 2011, 32, 5663-5672.	5.7	90
64	Tuning the Spin Density of Cobalt Single-Atom Catalysts for Efficient Oxygen Evolution. <i>ACS Nano</i> , 2021, 15, 7105-7113.	7.3	90
65	Origin of Long-Range Ferromagnetic Ordering in Metal-Organic Frameworks with Antiferromagnetic Dimeric-Cu(II) Building Units. <i>Journal of the American Chemical Society</i> , 2012, 134, 17286-17290.	6.6	86
66	Catalytic growth of carbon nanoballs with and without cobalt encapsulation. <i>Chemical Physics Letters</i> , 2000, 330, 41-47.	1.2	85
67	New salicidation technology with Ni(Pt) alloy for MOSFETs. <i>IEEE Electron Device Letters</i> , 2001, 22, 568-570.	2.2	85
68	Inducing High Coercivity in MoS ₂ Nanosheets by Transition Element Doping. <i>Chemistry of Materials</i> , 2017, 29, 9066-9074.	3.2	81
69	Macroporous Silica Hollow Microspheres as Nanoparticle Collectors. <i>Chemistry of Materials</i> , 2009, 21, 3629-3637.	3.2	79
70	Superheptazethrene. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8615-8619.	7.2	79
71	A 1D Vanadium Dioxide Nanochannel Constructed via Electric-Field-Induced Ion Transport and its Superior Metal-Insulator Transition. <i>Advanced Materials</i> , 2017, 29, 1702162.	11.1	79
72	Robocasting of dense yttria-stabilized zirconia structures. <i>Journal of Materials Science</i> , 2018, 53, 247-273.	1.7	78

#	ARTICLE	IF	CITATIONS
73	Multimaterial 3D-printing of graphene/Li _{0.35} Zn _{0.3} Fe _{2.35} O ₄ and graphene/carbonyl iron composites with superior microwave absorption properties and adjustable bandwidth. Carbon, 2020, 167, 62-74.	5.4	78
74	Direct observation of lithium-ion transport under an electrical field in Li _x CoO ₂ nanograins. Scientific Reports, 2013, 3, 1084.	1.6	77
75	Morphological Control of Synthesis and Anomalous Magnetic Properties of 3-D Branched Pt Nanoparticles. Langmuir, 2008, 24, 375-378.	1.6	76
76	Synthesis of Ferromagnetic Fe _{0.6} Mn _{0.4} O Nanoflowers as a New Class of Magnetic Theranostic Platform for In Vivo T ₁ -T ₂ Dual-Mode Magnetic Resonance Imaging and Magnetic Hyperthermia Therapy. Advanced Healthcare Materials, 2016, 5, 2092-2104.	3.9	75
77	Thiol-Capped ZnO Nanowire/Nanotube Arrays with Tunable Magnetic Properties at Room Temperature. ACS Nano, 2010, 4, 495-505.	7.3	73
78	Ar ²⁺ Beam Irradiation-Induced Multivacancies in MoSe ₂ Nanosheet for Enhanced Electrochemical Hydrogen Evolution. ACS Energy Letters, 2018, 3, 2167-2172.	8.8	73
79	Digital light processing 3D printing of graphene/carbonyl iron/polymethyl methacrylate nanocomposites for efficient microwave absorption. Composites Part B: Engineering, 2019, 179, 107533.	5.9	73
80	Microlattice Metamaterials with Simultaneous Superior Acoustic and Mechanical Energy Absorption. Small, 2021, 17, e2100336.	5.2	72
81	Microgel Iron Oxide Nanoparticles for Tracking Human Fetal Mesenchymal Stem Cells Through Magnetic Resonance Imaging. Stem Cells, 2009, 27, 1921-1931.	1.4	71
82	Nanoscaled self-alignment of Fe ₃ O ₄ nanodiscs in ultrathin rGO films with engineered conductivity for electromagnetic interference shielding. Nanoscale, 2016, 8, 15989-15998.	2.8	71
83	Fully Fused Quinoidal/Aromatic Carbazole Macrocycles with Poly-radical Characters. Journal of the American Chemical Society, 2016, 138, 7782-7790.	6.6	70
84	Novel synthesis of superparamagnetic magnetite nanoclusters for biomedical applications. Journal of Materials Chemistry, 2011, 21, 14717.	6.7	69
85	Diazulenoindacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. Angewandte Chemie - International Edition, 2018, 57, 16737-16741.	7.2	69
86	Extended Bis(benzothia)quinodimethanes and Their Dications: From Singlet Diradicaloids to Isoelectronic Structures of Long Acenes. Angewandte Chemie - International Edition, 2016, 55, 9316-9320.	7.2	68
87	Ferrite-based soft and hard magnetic structures by extrusion free-forming. RSC Advances, 2017, 7, 27128-27138.	1.7	68
88	Three-dimensional printed cellular stainless steel as a high-activity catalytic electrode for oxygen evolution. Journal of Materials Chemistry A, 2017, 5, 18176-18182.	5.2	68
89	Room-Temperature Magnets Based on 1,3,5-Triazine-Linked Porous Organic Radical Frameworks. Chem, 2019, 5, 1223-1234.	5.8	67
90	Superoctazethrene: An Open-Shell Graphene-like Molecule Possessing Large Diradical Character but Still with Reasonable Stability. Journal of the American Chemical Society, 2018, 140, 14054-14058.	6.6	65

#	ARTICLE	IF	CITATIONS
91	Effects of dielectric fluids on surface integrity for the recast layer in high speed EDM drilling of nickel alloy. <i>Journal of Alloys and Compounds</i> , 2019, 783, 95-102.	2.8	65
92	Synthesis, Structure, and Magnetic Properties of $[\text{Li}(\text{H}_2\text{O})\text{M}(\text{N}_2\text{H}_3\text{CO}_2)_3] \cdot 0.5\text{H}_2\text{O}$ (M = Co, Ni) as Single Precursors to LiMO_2 Battery Materials. <i>Chemistry of Materials</i> , 2006, 18, 1587-1594.	3.2	64
93	Size dependent magnetic hyperthermia of octahedral Fe_3O_4 nanoparticles. <i>RSC Advances</i> , 2015, 5, 76764-76771.	1.7	64
94	Bovine Serum Albumin-Conjugated Ferrimagnetic Iron Oxide Nanoparticles to Enhance the Biocompatibility and Magnetic Hyperthermia Performance. <i>Nano-Micro Letters</i> , 2016, 8, 80-93.	14.4	64
95	Fluorenyl Based Macrocyclic Polyradicaloids. <i>Journal of the American Chemical Society</i> , 2017, 139, 13173-13183.	6.6	64
96	Engineering Magnetic Properties of Ni Nanoparticles by Non-Magnetic Cores. <i>Chemistry of Materials</i> , 2009, 21, 5222-5228.	3.2	63
97	Intrinsic Ferromagnetism in the Diluted Magnetic Semiconductor $\text{Co}_{1-x}\text{Ti}_x\text{O}$. <i>Physical Review Letters</i> , 2016, 117, 227202.	2.9	63
98	Extremely low frequency alternating magnetic field-triggered and MRI-traced drug delivery by optimized magnetic zeolitic imidazolate framework-90 nanoparticles. <i>Nanoscale</i> , 2016, 8, 3259-3263.	2.8	63
99	Facile synthesis of water-stable magnetite nanoparticles for clinical MRI and magnetic hyperthermia applications. <i>Nanomedicine</i> , 2010, 5, 1571-1584.	1.7	61
100	Ferromagnetic ordering in Mn-doped ZnO nanoparticles. <i>Nanoscale Research Letters</i> , 2014, 9, 625.	3.1	61
101	Cyclopenta Ring Fused Bisanthene and Its Charged Species with Open-shell Singlet Diradical Character and Global Aromaticity/Antiaromaticity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11415-11419.	7.2	61
102	Copper dopants improved the hydrogen evolution activity of earth-abundant cobalt pyrite catalysts by activating the electrocatalytically inert sulfur sites. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17601-17608.	5.2	61
103	Nanoscale Magnetization Reversal Caused by Electric Field-Induced Ion Migration and Redistribution in Cobalt Ferrite Thin Films. <i>ACS Nano</i> , 2015, 9, 4210-4218.	7.3	60
104	Fine Strontium Ferrite Powders from an Ethanol-Based Microemulsion. <i>Journal of the American Ceramic Society</i> , 2000, 83, 1049-1055.	1.9	58
105	Synthesis of NiS and MnS Nanocrystals from the Molecular Precursors $(\text{TMEDA})\text{M}(\text{SC}_6\text{H}_5)_2$ (M = Ni, Mn). <i>Crystal Growth and Design</i> , 2009, 9, 352-357.	1.4	58
106	High coercivity in SiO_2 -doped CoFe_2O_4 powders and thin films. <i>Applied Physics Letters</i> , 2000, 77, 3621-3623.	1.5	57
107	Room temperature ferromagnetism in Teflon due to carbon dangling bonds. <i>Nature Communications</i> , 2012, 3, 727.	5.8	56
108	Heterogeneously tempered martensitic high strength steel by selective laser melting and its micro-lattice: Processing, microstructure, superior performance and mechanisms. <i>Materials and Design</i> , 2019, 178, 107881.	3.3	56

#	ARTICLE	IF	CITATIONS
109	Mesoporous carbon decorated graphene as an efficient electrode material for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7469.	5.2	55
110	Solution-Processed Highly Superparamagnetic and Conductive PEDOT:PSS/Fe ₃ O ₄ Nanocomposite Films with High Transparency and High Mechanical Flexibility. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 19001-19010.	4.0	55
111	Metallization of 3D Printed Polymers and Their Application as a Fully Functional Water-Splitting System. <i>Advanced Science</i> , 2019, 6, 1801670.	5.6	55
112	Silver nanoparticles disrupt germline stem cell maintenance in the <i>Drosophila</i> testis. <i>Scientific Reports</i> , 2016, 6, 20632.	1.6	54
113	Global Aromaticity in Macrocyclic Cyclopenta-Fused Tetraphenanthrenylene Tetradicaloid and Its Charged Species. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13052-13056.	7.2	54
114	GO-Functionalized Large Magnetic Iron Oxide Nanoparticles with Enhanced Colloidal Stability and Hyperthermia Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22703-22713.	4.0	53
115	3D-printed surface-patterned ceramic membrane with enhanced performance in crossflow filtration. <i>Journal of Membrane Science</i> , 2020, 606, 118138.	4.1	53
116	A Three-Dimensionally Conjugated Diradical Molecular Cage. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15383-15387.	7.2	52
117	3D-printed ceramic structures with in situ grown whiskers for effective oil/water separation. <i>Chemical Engineering Journal</i> , 2019, 373, 1223-1232.	6.6	52
118	Super-hygroscopic film for wearables with dual functions of expediting sweat evaporation and energy harvesting. <i>Nano Energy</i> , 2020, 75, 104873.	8.2	52
119	Robust, 3D-printed hydratable plastics for effective solar desalination. <i>Nano Energy</i> , 2021, 79, 105436.	8.2	52
120	A 3D-printing method of fabrication for metals, ceramics, and multi-materials using a universal self-curable technique for robocasting. <i>Materials Horizons</i> , 2020, 7, 1083-1090.	6.4	51
121	Elucidating the Nature of the Cu(I) Active Site in CuO/TiO ₂ for Excellent Low-Temperature CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7091-7101.	4.0	51
122	Robust pure copper framework by extrusion 3D printing for advanced lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9058-9067.	5.2	51
123	The coercivity of rapidly quenched alloys. <i>Journal Physics D: Applied Physics</i> , 1999, 32, 713-716.	1.3	50
124	Size-dependent microwave absorption properties of Fe ₃ O ₄ nanodiscs. <i>RSC Advances</i> , 2016, 6, 25444-25448.	1.7	50
125	Turning on the biradical state of tetracyano-perylene and quaterrylenequinodimethanes by incorporation of additional thiophene rings. <i>Chemical Science</i> , 2014, 5, 3072-3080.	3.7	48
126	The use of microgel iron oxide nanoparticles in studies of magnetic resonance relaxation and endothelial progenitor cell labelling. <i>Biomaterials</i> , 2010, 31, 3296-3306.	5.7	46

#	ARTICLE	IF	CITATIONS
127	Coating Engineering of MnFe ₂ O ₄ Nanoparticles with Superhigh <i>T</i> Relaxivity and Efficient Cellular Uptake for Highly Sensitive Magnetic Resonance Imaging. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300069.	1.9	46
128	Quinodimethane-Bridged Perylene Dimers and Pericondensed Quaterrylenes: The Effect of the Fusion Mode on the Ground States and Physical Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 11410-11420.	1.7	46
129	Re doping induced 2H-1T phase transformation and ferromagnetism in MoS ₂ nanosheets. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	45
130	A Stable [4,3]Perylene Diradicaloid: Synthesis, Structure, and Electronic Properties. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4464-4469.	7.2	45
131	Stable 3,6-Linked Fluorenyl Radical Oligomers with Intramolecular Antiferromagnetic Coupling and Polyradical Characters. <i>Journal of the American Chemical Society</i> , 2016, 138, 13048-13058.	6.6	44
132	Constructing hierarchical carbon framework and quantifying water transfer for novel solar evaporation configuration. <i>Carbon</i> , 2019, 155, 25-33.	5.4	44
133	Solar-driven efficient methane catalytic oxidation over epitaxial ZnO/La _{0.8} Sr _{0.2} CoO ₃ heterojunctions. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118469.	10.8	44
134	Syntheses, structures and properties of copper(II) complexes containing N-(2-hydroxybenzyl)-amino amide ligands. <i>Inorganica Chimica Acta</i> , 2006, 359, 3481-3490.	1.2	43
135	Stable vortex magnetite nanorings colloid: Micromagnetic simulation and experimental demonstration. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	43
136	Zn vacancy induced ferromagnetism in K doped ZnO. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11953-11958.	2.7	43
137	Octazethrene and Its Isomer with Different Diradical Characters and Chemical Reactivity: The Role of the Bridge Structure. <i>Journal of Organic Chemistry</i> , 2016, 81, 2911-2919.	1.7	43
138	High Coercivity and Magnetization in WSe ₂ by Codoping Co and Nb. <i>Small</i> , 2020, 16, e1903173.	5.2	43
139	Magnetic properties and magnetic entropy change of amorphous and crystalline GdNiAl ribbons. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 75, 535-539.	1.1	42
140	Additively manufactured heterogeneously porous metallic bone with biostructural functions and bone-like mechanical properties. <i>Journal of Materials Science and Technology</i> , 2021, 62, 173-179.	5.6	42
141	Fabrication of 3D-Printed Ceramic Structures for Portable Solar Desalination Devices. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23220-23229.	4.0	42
142	A facile one-step route to synthesize cage-like silica hollow spheres loaded with superparamagnetic iron oxide nanoparticles in their shells. <i>Chemical Communications</i> , 2009, , 938-940.	2.2	41
143	Enhanced ferromagnetism in WS ₂ via defect engineering. <i>Journal of Alloys and Compounds</i> , 2019, 772, 740-744.	2.8	41
144	A new family of biocompatible and stable magnetic nanoparticles: silica cross-linked pluronic F127 micelles loaded with iron oxides. <i>New Journal of Chemistry</i> , 2009, 33, 88-92.	1.4	40

#	ARTICLE	IF	CITATIONS
145	Magnetic properties of Co doped WSe ₂ by implantation. Journal of Alloys and Compounds, 2018, 731, 25-31.	2.8	40
146	A Peri- β -tetracene Diradicaloid: Synthesis and Properties. Angewandte Chemie, 2018, 130, 9845-9849.	1.6	40
147	Oxygen vacancy enhancement promoting strong green emission through surface modification in ZnO thin film. Applied Surface Science, 2018, 462, 466-470.	3.1	40
148	Conductivity Modulation of 3D-Printed Shellular Electrodes through Embedding Nanocrystalline Intermetallics into Amorphous Matrix for Ultrahigh-Current Oxygen Evolution. Advanced Energy Materials, 2021, 11, 2100968.	10.2	40
149	Strong unidirectional anisotropy in mechanically alloyed spinel ferrites. Journal of Applied Physics, 2001, 90, 4078-4084.	1.1	38
150	Double-layer silica core-shell nanospheres with superparamagnetic and fluorescent functionalities. Chemical Physics Letters, 2008, 461, 114-117.	1.2	38
151	Benzo-thia-fused [n]thienoacenequinodimethanes with small to moderate diradical characters: the role of pro-aromaticity versus anti-aromaticity. Chemical Science, 2016, 7, 3036-3046.	3.7	38
152	Pd-Ce nanoparticles supported on functional Fe-MIL-101-NH ₂ : An efficient catalyst for selective glycerol oxidation. Catalysis Today, 2017, 279, 77-83.	2.2	38
153	Model of laser energy absorption adjusted to optical measurements with effective use in finite element simulation of selective laser melting. Materials and Design, 2018, 157, 24-34.	3.3	38
154	Metallic microlattice and epoxy interpenetrating phase composites: Experimental and simulation studies on superior mechanical properties and their mechanisms. Composites Part A: Applied Science and Manufacturing, 2020, 135, 105934.	3.8	38
155	Ferromagnetism and Crossover of Positive Magnetoresistance to Negative Magnetoresistance in Na-Doped ZnO. Chemistry of Materials, 2015, 27, 1285-1291.	3.2	37
156	Conformationally Flexible Bis(9-fluorenylidene)porphyrin Diradicaloids. Angewandte Chemie - International Edition, 2017, 56, 13484-13488.	7.2	37
157	High catalytic activity of oxygen-induced (200) surface of Ta ₂ O ₅ nanolayer towards durable oxygen evolution reaction. Nano Energy, 2016, 25, 60-67.	8.2	36
158	Structures and properties of transition-metal-doped TiO ₂ nanorods. Materials Letters, 2016, 170, 142-146.	1.3	36
159	Ultrafine zinc oxide powders prepared by precipitation/mechanical milling. Journal of Materials Science, 2001, 36, 3273-3276.	1.7	35
160	High loading accessible active sites via designable 3D-printed metal architecture towards promoting electrocatalytic performance. Journal of Materials Chemistry A, 2019, 7, 18338-18347.	5.2	35
161	Asymmetric Structure Based Flexible Strain Sensor for Simultaneous Detection of Various Human Joint Motions. ACS Applied Electronic Materials, 2019, 1, 1866-1872.	2.0	35
162	Stable Oxindolyl-Based Analogues of Chichibabin's and Müller's Hydrocarbons. Angewandte Chemie - International Edition, 2017, 56, 14154-14158.	7.2	34

#	ARTICLE	IF	CITATIONS
163	Ultrafast Exfoliation of 2D Materials by Solvent Activation and One-Step Fabrication of All-2D-Material Photodetectors by Electrohydrodynamic Printing. ACS Applied Materials & Interfaces, 2020, 12, 28840-28851.	4.0	34
164	Improved NiSi salicide process using presilicide N/sub 2//sup +/- implant for MOSFETs. IEEE Electron Device Letters, 2000, 21, 566-568.	2.2	33
165	Stable Expanded Porphycene-Based Diradicaloid and Tetraradicaloid. Angewandte Chemie - International Edition, 2018, 57, 12534-12537.	7.2	33
166	Controllable Ceramic Green-Body Configuration for Complex Ceramic Architectures with Fine Features. Advanced Functional Materials, 2019, 29, 1807082.	7.8	33
167	Toward Stable Superbenzoquinone Diradicaloids. Angewandte Chemie - International Edition, 2017, 56, 5012-5016.	7.2	32
168	3D printing-assisted gyroidal graphite foam for advanced supercapacitors. Chemical Engineering Journal, 2021, 416, 127885.	6.6	32
169	Additive manufacturing of high-entropy alloys by thermophysical calculations and in situ alloying. Journal of Materials Science and Technology, 2021, 94, 53-66.	5.6	32
170	Interplay of Cu and oxygen vacancy in optical transitions and screening of excitons in ZnO:Cu films. Applied Physics Letters, 2014, 104, .	1.5	31
171	Dispersing and coating of transition metals Co, Fe and Ni on carbon materials. Chemical Physics Letters, 2002, 362, 135-143.	1.2	30
172	NiFe (sulfur)oxyhydroxide porous nanoclusters/Ni foam composite electrode drives a large-current-density oxygen evolution reaction with an ultra-low overpotential. Journal of Materials Chemistry A, 2019, 7, 18816-18822.	5.2	30
173	Controllable synthesis of ZnO nanoparticles with high intensity visible photoemission and investigation of its mechanism. Nanotechnology, 2013, 24, 175702.	1.3	29
174	Supramolecular Isomerism and Polyrotaxane-Based Two-Dimensional Coordination Polymers. Crystal Growth and Design, 2016, 16, 7278-7285.	1.4	29
175	Low-Field Dynamic Magnetic Separation by Self-Fabricated Magnetic Meshes for Efficient Heavy Metal Removal. ACS Applied Materials & Interfaces, 2017, 9, 36772-36782.	4.0	29
176	From Open-Shell Singlet Diradicaloid to Closed-Shell Global Antiaromatic Macrocycles. Angewandte Chemie - International Edition, 2018, 57, 7166-7170.	7.2	29
177	Polyol-based synthesis of hydrophilic magnetite nanoparticles. Journal of Applied Physics, 2010, 107, .	1.1	28
178	3D-Printed Grids with Polymeric Photocatalytic System as Flexible Air Filter. Applied Catalysis B: Environmental, 2020, 262, 118307.	10.8	28
179	Annealing effect on the ferromagnetism of MoS2 nanoparticles. Journal of Alloys and Compounds, 2018, 746, 399-404.	2.8	27
180	Hierarchical Design of NiOOH@Amorphous Ni-P Bilayer on a 3D Mesh Substrate for High-Efficiency Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2018, 10, 30273-30282.	4.0	27

#	ARTICLE	IF	CITATIONS
181	The effects of mechanical activation in synthesizing ultrafine barium ferrite powders from co-precipitated precursors. <i>Journal of Materials Chemistry</i> , 2000, 10, 1745-1749.	6.7	26
182	Superparamagnetic Silica Composite Nanospheres (SSCNs) with Ultrahigh Loading of Iron Oxide Nanoparticles via an Oil-in-DEG Microemulsion Route. <i>Chemistry of Materials</i> , 2008, 20, 6292-6294.	3.2	26
183	Ag/Au-decorated Fe ₃ O ₄ /SiO ₂ composite nanospheres for catalytic applications. <i>Acta Materialia</i> , 2010, 58, 3825-3831.	3.8	26
184	Kinetically Blocked Stable 5,6:12,13-Dibenzozethrene: A Laterally π -Extended Zethrene with Enhanced Diradical Character. <i>Organic Letters</i> , 2016, 18, 2886-2889.	2.4	26
185	Pre-surface leached cordierite honeycombs for Mn _x Co _{3-x} O ₄ nano-sheet array integration with enhanced hydrocarbons combustion. <i>Catalysis Today</i> , 2019, 320, 196-203.	2.2	26
186	Resistive switching behavior in copper doped zinc oxide (ZnO:Cu) thin films studied by using scanning probe microscopy techniques. <i>Journal of Alloys and Compounds</i> , 2017, 709, 535-541.	2.8	25
187	Curved π -conjugated corannulene dimer diradicaloids. <i>Chemical Science</i> , 2018, 9, 5100-5105.	3.7	25
188	Clustering-induced high magnetization in Co-doped TiO ₂ . <i>Emergent Materials</i> , 2019, 2, 295-301.	3.2	25
189	Imprinting Ferromagnetism and Superconductivity in Single Atomic Layers of Molecular Superlattices. <i>Advanced Materials</i> , 2020, 32, e1907645.	11.1	25
190	3D Printing of Next-generation Electrochemical Energy Storage Devices: from Multiscale to Multimaterial. <i>Energy and Environmental Materials</i> , 2022, 5, 427-438.	7.3	25
191	Direct ink writing of programmable functional silicone-based composites for 4D printing applications. <i>Advanced Materials</i> , 2022, 1, 507-516.		25
192	Fabrication of YBa ₂ Cu ₃ O _{7-x} (YBCO) superconductor bulk structures by extrusion freeforming. <i>Ceramics International</i> , 2016, 42, 15836-15842.	2.3	24
193	Diazulenoindacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. <i>Angewandte Chemie</i> , 2018, 130, 16979-16983.	1.6	24
194	Stable Quadruple Helical Tetraradicaloid with Thermally Induced Intramolecular Magnetic Switching. <i>CCS Chemistry</i> , 2022, 4, 95-103.	4.6	24
195	Structure-Enhanced Mechanically Robust Graphite Foam with Ultrahigh MnO ₂ Loading for Supercapacitors. <i>Research</i> , 2020, 2020, 7304767.	2.8	24
196	Bipolar Charge Storage Characteristics in Copper and Cobalt Co-doped Zinc Oxide (ZnO) Thin Film. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5276-5280.	4.0	23
197	Phase-transfer induced room temperature ferromagnetic behavior in 1T@2H-MoSe ₂ nanosheets. <i>Scientific Reports</i> , 2017, 7, 45307.	1.6	23
198	Intrinsic or Interface Clustering-Induced Ferromagnetism in Fe-Doped In ₂ O ₃ -Diluted Magnetic Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22372-22380.	4.0	23

#	ARTICLE	IF	CITATIONS
199	Superheptazethrene. <i>Angewandte Chemie</i> , 2016, 128, 8757-8761.	1.6	22
200	Toward Benzobis(thiadiazole)-based Diradicaloids. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2177-2182.	1.7	22
201	Cyclopenta Ring Fused Bisanthene and Its Charged Species with Open-Shell Singlet Diradical Character and Global Aromaticity/ Anti-Aromaticity. <i>Angewandte Chemie</i> , 2017, 129, 11573-11577.	1.6	22
202	Molecular O ₂ Activation over Cu(I)-Mediated C≡N Bond for Low-Temperature CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17167-17174.	4.0	22
203	Toward Two-Dimensional Conjugated Covalent Organic Radical Frameworks. <i>Angewandte Chemie</i> , 2018, 130, 8139-8143.	1.6	22
204	Hydrogen Evolution Catalyzed by a Molybdenum Sulfide Two-Dimensional Structure with Active Basal Planes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22042-22049.	4.0	22
205	Colossal Magnetization and Giant Coercivity in Ion-Implanted (Nb and Co) MoS ₂ Crystals. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 58140-58148.	4.0	22
206	Domain Engineering in ReS ₂ by Coupling Strain during Electrochemical Exfoliation. <i>Advanced Functional Materials</i> , 2020, 30, 2003057.	7.8	22
207	Critical Control of Highly Stable Nonstoichiometric Mn-Zn Ferrites with Outstanding Magnetic and Electromagnetic Performance for Gigahertz High-Frequency Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16609-16619.	4.0	22
208	An Fe ₂ O ₃ powder of nanosized particles via precursor dispersion. <i>Journal of Materials Research</i> , 1999, 14, 3355-3362.	1.2	21
209	Highly textured, magnetic Fe(1+x)S nanorods grown on silicon. <i>Applied Physics Letters</i> , 2007, 91, 084105.	1.5	21
210	Stable bipolar surface potential behavior of copper-doped zinc oxide films studied by Kelvin probe force microscopy. <i>Applied Physics Letters</i> , 2010, 97, 232103.	1.5	21
211	Structural and magnetic studies of Cu-doped ZnO films synthesized via a hydrothermal route. <i>Journal of Materials Chemistry</i> , 2010, 20, 5756.	6.7	21
212	Influence of Angular Dicarboxylate Ligand on the Structures of Single and Double Pillared-Layer Coordination Polymers of Co(II). <i>Crystal Growth and Design</i> , 2015, 15, 4156-4161.	1.4	21
213	Achieving a high magnetization in sub-nanostructured magnetite films by spin-flipping of tetrahedral Fe ³⁺ cations. <i>Nano Research</i> , 2015, 8, 2935-2945.	5.8	21
214	Extended Bis(benzothia)quinodimethanes and Their Dications: From Singlet Diradicaloids to Isoelectronic Structures of Long Acenes. <i>Angewandte Chemie</i> , 2016, 128, 9462-9466.	1.6	21
215	Effect of doping SiC particles on cracks and pores of Al ₂ O ₃ -ZrO ₂ eutectic ceramics fabricated by directed laser deposition. <i>Journal of Materials Science</i> , 2019, 54, 9321-9330.	1.7	21
216	Engineering Inorganic Hybrid Nanoparticles: Tuning Combination Fashions of Gold, Platinum, and Iron Oxide. <i>Langmuir</i> , 2008, 24, 13197-13202.	1.6	20

#	ARTICLE	IF	CITATIONS
217	Concentration-dependent magnetic hyperthermic response of manganese ferrite-loaded ultrasmall graphene oxide nanocomposites. <i>New Journal of Chemistry</i> , 2014, 38, 2312-2319.	1.4	20
218	Strong Modification of Excitons and Optical Conductivity for Different Dielectric Environments in ZnO Films. <i>IEEE Photonics Journal</i> , 2016, 8, 1-9.	1.0	20
219	Radical and Diradical Formation in Naphthalene Diimides through Simple Chemical Oxidation. <i>ChemPhysChem</i> , 2017, 18, 591-595.	1.0	20
220	Polarization rotation in copper doped zinc oxide (ZnO:Cu) thin films studied by Piezoresponse Force Microscopy (PFM) techniques. <i>Acta Materialia</i> , 2017, 123, 394-403.	3.8	20
221	[n]Cyclo-para-biphenylmethine Polyradicaloids: [n]Annulene Analogs and Unusual Valence Tautomerization. <i>CheM</i> , 2019, 5, 108-121.	5.8	20
222	A facile oxidation-dehydration reaction-driven robust porous copper oxide nanobelt coating on copper foam for an energy-saving and low-cost urea oxidization reaction. <i>Chemical Communications</i> , 2019, 55, 13562-13565.	2.2	19
223	Defects Engineering Induced Ultrahigh Magnetization in Rare Earth Element Nd-doped MoS_2 . <i>Advanced Quantum Technologies</i> , 2021, 4, 2000093.	1.8	19
224	Superparamagnetic Nanostructures for Off-Resonance Magnetic Resonance Spectroscopic Imaging. <i>Advanced Functional Materials</i> , 2013, 23, 496-505.	7.8	18
225	Toward Stable Superbenzoquinone Diradicaloids. <i>Angewandte Chemie</i> , 2017, 129, 5094-5098.	1.6	18
226	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. <i>Advanced Functional Materials</i> , 2018, 28, 1801766.	7.8	18
227	Microwave property of micron and sub-micron Fe ₉₀ Al ₁₀ flakes fabricated via ball milling and jet milling routes. <i>Journal of Alloys and Compounds</i> , 2012, 528, 58-62.	2.8	17
228	Stable Nitrogen-Centered Bis(imino)rylene Diradicaloids. <i>Chemistry - A European Journal</i> , 2018, 24, 4944-4951.	1.7	17
229	Global Aromaticity in Macrocyclic Cyclopenta-fused Tetraphenanthrenylene Tetradicaloid and Its Charged Species. <i>Angewandte Chemie</i> , 2018, 130, 13236-13240.	1.6	17
230	Enhanced Magnetic Anisotropy and Orbital Symmetry Breaking in Manganite Heterostructures. <i>Advanced Functional Materials</i> , 2020, 30, 1909536.	7.8	17
231	Ultrafine magnetic cyanide particles. <i>Journal of Applied Physics</i> , 2000, 87, 6049-6051.	1.1	16
232	Copper complex with a magnetic ordering temperature above 400 K. <i>Applied Physics Letters</i> , 2001, 78, 3502-3504.	1.5	16
233	Nickel silicide formation on Si(100) and Poly-Si with a presilicide N ₂ + implantation. <i>Journal of Electronic Materials</i> , 2001, 30, 1554-1559.	1.0	16
234	Novel magnetic vortex nanorings/nanodiscs: Synthesis and theranostic applications. <i>Chinese Physics B</i> , 2015, 24, 127505.	0.7	16

#	ARTICLE	IF	CITATIONS
235	A Three-dimensionally Conjugated Diradical Molecular Cage. <i>Angewandte Chemie</i> , 2017, 129, 15585-15589.	1.6	16
236	Polarization behavior of zinc oxide thin films studied by temperature dependent spectroscopic ellipsometry. <i>Optical Materials Express</i> , 2017, 7, 3902.	1.6	16
237	Integrated wearable sensors with bending/stretching selectivity and extremely enhanced sensitivity derived from agarose-based ionic conductor and its 3D-shaping. <i>Chemical Engineering Journal</i> , 2020, 389, 124503.	6.6	16
238	Electrode-controlled confinement of conductive filaments in a nanocolumn embedded symmetric-asymmetric RRAM structure. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1577-1582.	2.7	16
239	3D-Printed Hierarchical Ceramic Architectures for Ultrafast Emulsion Treatment and Simultaneous Oil-Water Filtration. , 2022, 4, 740-750.		16
240	Ultrafine Cobalt-Iron Cyanide Particles Prepared by Microemulsion Method. <i>Physica Status Solidi A</i> , 2000, 180, 547-553.	1.7	15
241	Control of magnetic anisotropy by orbital hybridization with charge transfer in $(\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3)_n/(\text{SrTiO}_3)_n$ superlattice. <i>NPG Asia Materials</i> , 2018, 10, 931-942.	3.8	15
242	Shaped para-Quinodimethane-Embedded Double [6]Helicene and Its Charged Species Showing Open-shell Diradical Character. <i>Chemistry - A European Journal</i> , 2020, 26, 15613-15622.	1.7	15
243	Large magnetic entropy change in $\text{Nd}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$. <i>Applied Physics A: Materials Science and Processing</i> , 2003, 77, 641-643.	1.1	14
244	High-Coercivity in $\alpha\text{-Fe}_2\text{O}_3$ Formed After Annealing From $\text{m-Fe}_3\text{O}_4$ Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 3340-3342.	1.2	14
245	Ambient Stable Radical Cations, Diradicaloid Dimeric Dications, Closed-shell Dications, and Diradical Dications of Methylthio-Capped Rylenes. <i>Chemistry - A European Journal</i> , 2017, 23, 7595-7606.	1.7	14
246	Mesoporous Perovskite Nanotube-Array Enhanced Metallic-State Platinum Dispersion for Low Temperature Propane Oxidation. <i>ChemCatChem</i> , 2018, 10, 2184-2189.	1.8	14
247	Electron beam melted heterogeneously porous microlattices for metallic bone applications: Design and investigations of boundary and edge effects. <i>Additive Manufacturing</i> , 2020, 36, 101566.	1.7	14
248	Near-Zero Hysteresis Ionic Conductive Elastomers with Long-Term Stability for Sensing Applications. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11727-11738.	4.0	14
249	Magnetoresistivity and metamagnetism of the $\text{Nd}_{33}\text{Fe}_{50}\text{Al}_{17}$ alloy. <i>Applied Physics Letters</i> , 1999, 75, 1763-1765.	1.5	13
250	Structure and magnetic properties of a neutral dimeric copper (II) complex of N-(2-hydroxybenzyl)glycinamide ligand. <i>Journal of Applied Physics</i> , 2003, 93, 7819-7821.	1.1	13
251	Succinic anhydride functionalized alkenoic ligands: a facile route to synthesize water dispersible nanocrystals. <i>Journal of Materials Chemistry</i> , 2012, 22, 13832.	6.7	13
252	Extrusion printing of a designed three-dimensional $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ superconductor with milled precursor powder. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3382-3389.	2.7	13

#	ARTICLE	IF	CITATIONS
253	A Stable N -Annulated Perylene-Bridged Bisphenoxyl Diradicaloid and the Corresponding Boron Trifluoride Complex. <i>Chemistry - A European Journal</i> , 2017, 23, 9419-9424.	1.7	13
254	Plasmon-exciton interaction and screening of exciton in ZnO-based thin film on bulk Pt as analyzed by spectroscopic ellipsometry. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 01AD06.	0.8	13
255	From Open-Shell Singlet Diradicaloid to Closed-Shell Global Antiaromatic Macrocycles. <i>Angewandte Chemie</i> , 2018, 130, 7284-7288.	1.6	13
256	Additive manufacturing solidification methodologies for ink formulation. <i>Additive Manufacturing</i> , 2022, 56, 102939.	1.7	13
257	Influence of different substrates on potential magnetic degradation during slider-disk impact. <i>IEEE Transactions on Magnetics</i> , 2000, 36, 2686-2688.	1.2	12
258	Magnetic domain structures and magnetotransport properties in Co-Ag granular thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2001, 73, 103-106.	1.1	12
259	β -MnS films with 3D microarchitectures: comprehensive study of the synthesis, microstructural, optical and magnetic properties. <i>CrystEngComm</i> , 2018, 20, 578-589.	1.3	12
260	A Stable [4,3]Perylene Diradicaloid: Synthesis, Structure, and Electronic Properties. <i>Angewandte Chemie</i> , 2021, 133, 4514-4519.	1.6	12
261	A study on barium ferrite particles prepared by chemical coprecipitation. <i>Journal of Materials Research</i> , 2000, 15, 2151-2156.	1.2	11
262	Superconductivity of MgB ₂ after Mechanical Milling. <i>Physica Status Solidi A</i> , 2002, 191, 548-554.	1.7	11
263	Smith chart approach to the design of multilayer resistive sheet. <i>IEEE Microwave and Wireless Components Letters</i> , 2003, 13, 24-26.	2.0	11
264	Effects of degree of three-dimensional order and Fe impurities on photoluminescence of boron nitride. <i>Journal of Applied Physics</i> , 2004, 96, 1947-1952.	1.1	11
265	Shape-dependent microwave permeability of Fe ₃ O ₄ nanoparticles: a combined experimental and theoretical study. <i>Nanotechnology</i> , 2015, 26, 265704.	1.3	11
266	Characterization of Ni- and Ni(Pt)-Silicide Formation on Narrow Polycrystalline Si Lines by Raman Spectroscopy. <i>Materials Research Society Symposia Proceedings</i> , 1999, 591, 253.	0.1	10
267	Flash temperature induced magnetic degradation in high density magnetic recording. <i>Journal of Applied Physics</i> , 2000, 87, 6158-6160.	1.1	10
268	Enhanced magnetization of nanostructured granular Ni/[Cu(II)-C ₆₀] films. <i>Applied Physics Letters</i> , 2002, 80, 1028-1030.	1.5	10
269	Large-scale synthesis of high-content Fe nanotubes/nanorings with high magnetization by H ₂ reduction process. <i>Materials Research Bulletin</i> , 2013, 48, 5003-5007.	2.7	10
270	Conductive silver coatings with ultra-low silver consumption on polyimide film via a mild surface ion exchange self-metallization method. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10630-10637.	2.7	10

#	ARTICLE	IF	CITATIONS
271	Stable Oxindolyl-Based Analogues of Chichibabin's and Mülller's Hydrocarbons. <i>Angewandte Chemie</i> , 2017, 129, 14342-14346.	1.6	10
272	Microwave permeability of stripe patterned FeCoN thin film. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 426, 467-472.	1.0	10
273	2,6-/1,5-Naphthoquinodimethane bridged porphyrin dimer diradicaloids. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 220-229.	0.4	10
274	Magnetolectric Coupling Induced Orbital Reconstruction and Ferromagnetic Insulating State in $\text{PbZr}_{0.52}\text{Ti}_{0.48}\text{O}_3/\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35588-35597.	4.0	10
275	Ferroelectric Self-Polarization Controlled Magnetic Stratification and Magnetic Coupling in Ultrathin $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ Films. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30137-30145.	4.0	10
276	Synthesis of Fe_2O_3 Templates via Hydrothermal Route and Fe_3O_4 Particles Through Subsequent Chemical Reduction. <i>Science of Advanced Materials</i> , 2013, 5, 1199-1207.	0.1	10
277	Novel room-temperature spin-valve-like magnetoresistance in magnetically coupled nano-column $\text{Fe}_3\text{O}_4/\text{Ni}$ heterostructure. <i>Nanoscale</i> , 2016, 8, 15737-15743.	2.8	9
278	Realization of single-atom ferromagnetism in graphene by Cu_4 moieties anchoring. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	9
279	Influence of the Aspect Ratio of Iron Oxide Nanorods on Hysteresis-Loss-Mediated Magnetic Hyperthermia. <i>ACS Applied Bio Materials</i> , 2021, 4, 4809-4820.	2.3	9
280	Deposition of high permeability FeCoN films on mica substrates. <i>Journal of Applied Physics</i> , 2015, 118, 013902.	1.1	8
281	Networked Spin Cages: Tunable Magnetism and Lithium Ion Storage via Modulation of Spin-Electron Interactions. <i>Inorganic Chemistry</i> , 2016, 55, 9892-9897.	1.9	8
282	Confinement-Induced Giant Spin-Orbit-Coupled Magnetic Moment of Co Nanoclusters in TiO_2 Films. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43781-43788.	4.0	8
283	Amorphous magnetic RE-Fe-Al alloys. <i>IEEE Transactions on Magnetics</i> , 2001, 37, 2500-2502.	1.2	7
284	Synthesis of FeCo nanoparticles from $\text{FeO}(\text{OH})$ and Co_3O_4 using oleic acid as reduction agent. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	7
285	Stable Expanded Porphycene-Based Diradicaloid and Tetraradicaloid. <i>Angewandte Chemie</i> , 2018, 130, 12714-12717.	1.6	7
286	Doping and defect engineering induced extremely high magnetization and large coercivity in Co doped MoTe_2 . <i>Journal of Alloys and Compounds</i> , 2022, 918, 165750.	2.8	7
287	Observation of continuous and step-like thermomagnetization in Nd-Fe-Al amorphous alloys. <i>IEEE Transactions on Magnetics</i> , 1999, 35, 3460-3462.	1.2	6
288	Structure and magnetic properties of iron-based cyanide compounds. <i>IEEE Transactions on Magnetics</i> , 2001, 37, 2938-2940.	1.2	6

#	ARTICLE	IF	CITATIONS
289	Formulation of iron oxides by nanoparticles of poly-lactide- co-D- α -tocopherol-polyethylene glycol 1000 succinate biodegradable polymer for magnetic resonance imaging. Journal of Applied Physics, 2010, 107, .	1.1	6
290	Magnetic resonance imaging quantification and biodistribution of magnetic nanoparticles using T_1 -enhanced contrast. Journal of Materials Chemistry B, 2018, 6, 1470-1478.	2.9	6
291	Room Temperature Strong Emission and Excitonic Enhancement in Multiple-Stacked Nano-Porous ZnO Thin Film. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800458.	0.8	6
292	Programmable, UV-Printable Dielectric Elastomers Actuate at Low Voltage without Prestretch and Supporting Frames. ACS Applied Electronic Materials, 2020, 2, 4042-4053.	2.0	6
293	High temperature co-firing of 3D-printed Al ZnO/Al ₂ O ₃ multi-material two-phase flow sensor. Journal of Materiomics, 2022, 8, 710-718.	2.8	6
294	Structure and Magnetic Properties of Y ₆₀ Fe ₃₀ Al ₁₀ Melt-Spun Ribbons. Physica Status Solidi A, 1999, 172, 461-468.	1.7	5
295	ONE-POT SYNTHESIS OF HYDROPHILIC AND HYDROPHOBIC FERROFLUID. International Journal of Nanoscience, 2009, 08, 65-69.	0.4	5
296	High-Magnetization Tetragonal Ferrite-Based Films Induced by Carbon and Oxygen Vacancy Pairs. ACS Applied Materials & Interfaces, 2019, 11, 1049-1056.	4.0	5
297	Interfacial control of domain structure and magnetic anisotropy in La _{0.67} Sr _{0.33} MnO ₃ manganite heterostructures. Physical Review B, 2021, 104, .	1.1	5
298	Growth of multi-walled carbon nanotubes on mechanical alloying-derived Al ₂ O ₃ -Ni nanocomposite powder. Journal of Materials Chemistry, 2001, 11, 2523-2528.	6.7	4
299	Chemical synthesis and characterization of boron/boron nitride core-shell nanostructures. Journal of Materials Research, 2003, 18, 1641-1645.	1.2	4
300	One-dimensional fossil-like γ -Fe ₂ O ₃ @carbon nanostructure: preparation, structural characterization and application as adsorbent for fast and selective recovery of gold ions from aqueous solution. Nanotechnology, 2016, 27, 415701.	1.3	4
301	Synthesis, structures and magnetic properties of isorecticular polyrotaxane-type two-dimensional coordination polymers. RSC Advances, 2017, 7, 45582-45586.	1.7	4
302	Examining the effect of ions and proteins on the heat dissipation of iron oxide nanocrystals. RSC Advances, 2018, 8, 1443-1450.	1.7	4
303	Robust and superwetting island-shaped phytate bimetallic oxyhydroxide porous nanoclusters via a mild self-assembly-etching-catching electrochemical oxidization strategy for an enhanced oxygen evolution reaction. Chemical Communications, 2019, 55, 4503-4506.	2.2	4
304	Low-cost valence-rich copper-iron-sulfur-oxygen porous nanocluster that drives an exceptional energy-saving carbohydrazide oxidization reaction in alkali and near-neutral electrolytes. Journal of Materials Chemistry A, 2020, 8, 24419-24427.	5.2	4
305	Tuning Irreversible Magnetoresistance in Pr _{0.67} Sr _{0.33} MnO ₃ Film via Octahedral Rotation. ACS Applied Materials & Interfaces, 2020, 12, 43222-43230.	4.0	4
306	Ferromagnetism of Mn-N ₄ Architecture Embedded Graphene. Journal Physics D: Applied Physics, 0, , .	1.3	4

#	ARTICLE	IF	CITATIONS
307	Direct Ink Writing for High-Efficiency Microwave Attenuation with Nanofibers Alignment. ACS Applied Materials & Interfaces, 2022, 14, 31267-31276.	4.0	4
308	SINGLE STEP SYNTHESIS OF HYDROPHOBIC AND HYDROPHILIC NANOPARTICLES VIA THERMAL DECOMPOSITION. International Journal of Nanoscience, 2011, 10, 943-947.	0.4	3
309	Magnetic and optical studies of hydrogenated Cu-doped ZnO film. Journal of the Korean Physical Society, 2013, 62, 1738-1743.	0.3	3
310	Economical Fe-doped Ta ₂ O ₅ electrocatalyst toward efficient oxygen evolution: a combined experimental and first-principles study. MRS Communications, 2017, 7, 563-569.	0.8	3
311	Formation of a four-bladed waterwheel-type chloro-bridged dicopper(μ_2) complex with dithiamacrocycle <i>via</i> double <i>exo</i> -coordination. Dalton Transactions, 2020, 49, 1365-1369.	1.6	3
312	Incorporating Metal Precursors towards a Library of High-resolution Metal Parts by Stereolithography. Applied Materials Today, 2022, 29, 101553.	2.3	3
313	Structure and Magnetic Properties of Chill-cast and Melt-spun Nd _x (Fe ₃ Al) _{100-x} and Nd ₃₃ (Fe _y Al) ₆₇ Alloys. Materials Transactions, 2001, 42, 664-669.	0.4	2
314	Bulk Hard Magnetic Alloys in Nd-Fe-B System Prepared by Casting and Melt Spinning. Materials Transactions, 2001, 42, 674-677.	0.4	2
315	MAGNETOELASTIC NANOCRYSTALLINE Co-Ni ALLOYS. International Journal of Nanoscience, 2004, 03, 615-623.	0.4	2
316	A Facile Chemical Solution-Based Method for Epitaxial Growth of Thick Ferrite Films. Advanced Electronic Materials, 2015, 1, 1500102.	2.6	2
317	Correlation of resistance switching and polarization rotation in copper doped zinc oxide (ZnO:Cu) thin films studied by Scanning Probe Microscopy. Journal of Materiomics, 2019, 5, 574-582.	2.8	2
318	A Stable Nitrogen-centered Bis(imino)perylene Dimer-based Diradicaloid. Asian Journal of Organic Chemistry, 2020, 9, 1798-1801.	1.3	2
319	Two-Dimensional Conjugated Covalent Organic Framework Films via Oxidative C-C Coupling Reactions at a Liquid-Liquid Interface. Organic Materials, 2021, 03, 060-066.	1.0	2
320	Re-entrance to a ferromagnetic insulator with oxygen-vacancy ordering in the La _{0.7} Sr _{0.3} MnO ₃ /SrTiO ₃ superlattice. Journal of Materials Chemistry A, 2021, 9, 26717-26726.	5.2	2
321	Magnetic Properties of Mechanically Alloyed Sm ₂ Fe ₁₇ -xGaxCy. Physica Status Solidi A, 1999, 172, 469-475.	1.7	1
322	Magnetic relaxation in spinel Mo-ferrite and Ti substituted Mo-ferrite. European Physical Journal B, 2002, 27, 49-54.	0.6	1
323	MAGNETIC PROPERTIES OF Co-FERRITE AND SiO ₂ -DOPED Co-FERRITE THIN FILMS AND POWDERS BY SOL-GEL. International Journal of Nanoscience, 2004, 03, 463-470.	0.4	1
324	L10-FePt films fabricated by wet-chemical route. Thin Solid Films, 2015, 589, 649-654.	0.8	1

#	ARTICLE	IF	CITATIONS
325	A combinatorial approach to enhance the biocompatibility and heating efficiency of magnetic hyperthermia- Serum Albumin conjugated ferrimagnetic magnetite nanoparticles. MRS Advances, 2016, 1, 247-254.	0.5	1
326	Tuning the polarization rotation behavior in undoped zinc oxide thin films. Journal of Alloys and Compounds, 2019, 810, 151900.	2.8	1
327	The influence of different substrates on the magnetic degradation during slider-disk impact. , 0, , .		0
328	Magnetic and electric properties of SiO ₂ -doped Mn ferrite by mechanical alloying. , 0, , .		0
329	Catalytic growth of very long composite nanofibres containing Co (or Fe, Ni), SrO and trace carbon. Journal of Materials Chemistry, 2002, 12, 2445-2448.	6.7	0
330	High-coercivity Co-ferrite thin films on SiO ₂ (100) substrate prepared by sputtering and PLD. , 2005, , .		0
331	First principles prediction of materials for spintronics: From bulk to nano. , 2010, , .		0
332	Superparamagnetic iron oxides formulated in polylactide-co-glycolide/ D-alpha-tocopherol polyethylene glycol 1000 succinate (PLGA/TPGS) nanoparticles for high contrast MRI. , 2011, , .		0
333	Large-Scale Synthesis of Large-Sized Monodispersed Iron Oxide Nanoeggs. Applied Mechanics and Materials, 2014, 692, 206-209.	0.2	0
334	Enhancement of Microwave Properties of FeCoN Films on Mica Substrates by Control of SiO ₂ Underlayer Thickness. IEEE Magnetics Letters, 2015, 6, 1-4.	0.6	0
335	Room temperature thiosulfate ion redox reaction-driven synthesis of a robust porous copper-cobalt-sulfur-oxygen nanowire coating on copper foam for highly-efficient and low-cost oxygen evolution reaction. Chemical Communications, 2019, 55, 8587-8590.	2.2	0
336	Microwave properties of nano-structured powders prepared by mechanical alloying. , 2003, , .		0
337	High Frequency Magnetic Properties of Iron Based Magnetic Particulate Powders. , 2005, , .		0
338	Combination Control, Nanomagnetism and Biomedical Applications of Inorganic Multicomponent Hybrid Nanomaterials. , 2012, , 421-454.		0