

Jun Ding

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8977364/jun-ding-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

324
papers

13,742
citations

64
h-index

101
g-index

342
ext. papers

16,189
ext. citations

8.9
avg, IF

6.67
L-index

#	Paper	IF	Citations
3 ²⁴	3D-Printed Hierarchical Ceramic Architectures for Ultrafast Emulsion Treatment and Simultaneous Oil/Water Filtration 2022 , 4, 740-750		2
3 ²³	Additive Manufacturing Solidification Methodologies for Ink Formulation. <i>Additive Manufacturing</i> , 2022 , 102939	6.1	1
3 ²²	High Temperature Co-firing of 3D-Printed Al-ZnO/Al ₂ O ₃ Multi-Material Two-Phase Flow Sensor. <i>Journal of Materiomics</i> , 2021 ,	6.7	2
3 ²¹	Tuning the Spin Density of Cobalt Single-Atom Catalysts for Efficient Oxygen Evolution. <i>ACS Nano</i> , 2021 , 15, 7105-7113	16.7	21
3 ²⁰	Fabrication of 3D-Printed Ceramic Structures for Portable Solar Desalination Devices. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 23220-23229	9.5	12
3 ¹⁹	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	4.1	4
3 ¹⁸	Microlattice Metamaterials with Simultaneous Superior Acoustic and Mechanical Energy Absorption. <i>Small</i> , 2021 , 17, e2100336	11	17
3 ¹⁷	Ferroelectric Self-Polarization Controlled Magnetic Stratification and Magnetic Coupling in Ultrathin LaSrMnO Films. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30137-30145	9.5	4
3 ¹⁶	Conductivity Modulation of 3D-Printed Shellular Electrodes through Embedding Nanocrystalline Intermetallics into Amorphous Matrix for Ultrahigh-Current Oxygen Evolution. <i>Advanced Energy Materials</i> , 2021 , 11, 2100968	21.8	2
3 ¹⁵	A Stable [4,3]Peri-acene Diradicaloid: Synthesis, Structure, and Electronic Properties. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4464-4469	16.4	10
3 ¹⁴	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	9.1	22
3 ¹³	Bioinspired Fractal Design of Waste Biomass-Derived Solar-Thermal Materials for Highly Efficient Solar Evaporation. <i>Advanced Functional Materials</i> , 2021 , 31, 2007648	15.6	36
3 ¹²	Robust, 3D-printed hydratable plastics for effective solar desalination. <i>Nano Energy</i> , 2021 , 79, 105436	17.1	18
3 ¹¹	3D printing-assisted gyroidal graphite foam for advanced supercapacitors. <i>Chemical Engineering Journal</i> , 2021 , 416, 127885	14.7	14
3 ¹⁰	A Stable [4,3]Peri-acene Diradicaloid: Synthesis, Structure, and Electronic Properties. <i>Angewandte Chemie</i> , 2021 , 133, 4514-4519	3.6	2
3 ⁰⁹	Printable two-dimensional superconducting monolayers. <i>Nature Materials</i> , 2021 , 20, 181-187	27	38
3 ⁰⁸	Design and Manufacture of 3D-Printed Batteries. <i>Joule</i> , 2021 , 5, 89-114	27.8	30

307	Two-Dimensional Conjugated Covalent Organic Framework Films via Oxidative C-C Coupling Reactions at a Liquid-Liquid Interface. <i>Organic Materials</i> , 2021 , 03, 060-066	1.9	1
306	Interfacial control of domain structure and magnetic anisotropy in La _{0.67} Sr _{0.33} MnO ₃ manganite heterostructures. <i>Physical Review B</i> , 2021 , 104,	3.3	3
305	Additive manufacturing of high-entropy alloys by thermophysical calculations and in situ alloying. <i>Journal of Materials Science and Technology</i> , 2021 , 94, 53-66	9.1	14
304	Defects Engineering Induced Ultrahigh Magnetization in Rare Earth Element Nd-doped MoS ₂ . <i>Advanced Quantum Technologies</i> , 2021 , 4, 2000093	4.3	5
303	Colossal Magnetization and Giant Coercivity in Ion-Implanted (Nb and Co) MoS Crystals. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 58140-58148	9.5	8
302	Imprinting Ferromagnetism and Superconductivity in Single Atomic Layers of Molecular Superlattices. <i>Advanced Materials</i> , 2020 , 32, e1907645	24	11
301	Super-hygroscopic film for wearables with dual functions of expediting sweat evaporation and energy harvesting. <i>Nano Energy</i> , 2020 , 75, 104873	17.1	20
300	Ultrafast Exfoliation of 2D Materials by Solvent Activation and One-Step Fabrication of All-2D-Material Photodetectors by Electrohydrodynamic Printing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28840-28851	9.5	24
299	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. <i>Carbon</i> , 2020 , 167, 62-74	10.4	44
298	Domain Engineering in ReS ₂ by Coupling Strain during Electrochemical Exfoliation. <i>Advanced Functional Materials</i> , 2020 , 30, 2003057	15.6	8
297	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	9.5	8
296	S-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	4.8	6
295	Magnetoelectric Coupling Induced Orbital Reconstruction and Ferromagnetic Insulating State in PbZrTiO/LaSrMnO Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 35588-35597	9.5	4
294	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	14.7	9
293	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	7.1	8
292	3D global aromaticity in a fully conjugated diradicaloid cage at different oxidation states. <i>Nature Chemistry</i> , 2020 , 12, 242-248	17.6	59
291	Elucidating the Nature of the Cu(I) Active Site in CuO/TiO for Excellent Low-Temperature CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 7091-7101	9.5	20
290	3D-printed surface-patterned ceramic membrane with enhanced performance in crossflow filtration. <i>Journal of Membrane Science</i> , 2020 , 606, 118138	9.6	26

289	Realization of Single-atom ferromagnetism in graphene by Cu ₂ S ₄ moieties anchoring. <i>Applied Physics Letters</i> , 2020 , 116, 113102	3.4	4
288	Robust pure copper framework by extrusion 3D printing for advanced lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9058-9067	13	21
287	Structure-Enhanced Mechanically Robust Graphite Foam with Ultrahigh MnO Loading for Supercapacitors. <i>Research</i> , 2020 , 2020, 7304767	7.8	8
286	Metallic microlattice and epoxy interpenetrating phase composites: Experimental and simulation studies on superior mechanical properties and their mechanisms. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 135, 105934	8.4	12
285	Formation of a four-bladed waterwheel-type chloro-bridged dicopper(ii) complex with dithiamacrocycle via double exo-coordination. <i>Dalton Transactions</i> , 2020 , 49, 1365-1369	4.3	1
284	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	14.4	30
283	Three Dimensionally Free-Formable Graphene Foam with Designed Structures for Energy and Environmental Applications. <i>ACS Nano</i> , 2020 , 14, 937-947	16.7	50
282	Enhanced Magnetic Anisotropy and Orbital Symmetry Breaking in Manganite Heterostructures. <i>Advanced Functional Materials</i> , 2020 , 30, 1909536	15.6	10
281	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	21.8	19
280	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	6.1	10
279	Low-cost valence-rich copper-iron-sulfur-oxygen porous nanocluster that drives an exceptional energy-saving carbohydrazide oxidation reaction in alkali and near-neutral electrolytes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 24419-24427	13	1
278	Programmable, UV-Printable Dielectric Elastomers Actuate at Low Voltage without Prestretch and Supporting Frames. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 4042-4053	4	3
277	A Stable Nitrogen-centered Bis(imino)perylene Dimer-based Diradicaloid. <i>Asian Journal of Organic Chemistry</i> , 2020 , 9, 1798-1801	3	0
276	Tuning Irreversible Magnetoresistance in PrSrMnO Film via Octahedral Rotation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43222-43230	9.5	3
275	2,6-/1,5-Naphthoquinodimethane bridged porphyrin dimer diradicaloids. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020 , 24, 220-229	1.8	6
274	3D-Printed Grids with Polymeric Photocatalytic System as Flexible Air Filter. <i>Applied Catalysis B: Environmental</i> , 2020 , 262, 118307	21.8	16
273	3D-printed electrodes for lithium metal batteries with high areal capacity and high-rate capability. <i>Energy Storage Materials</i> , 2020 , 24, 336-342	19.4	55
272	High Coercivity and Magnetization in WSe by Codoping Co and Nb. <i>Small</i> , 2020 , 16, e1903173	11	21

271	Asymmetric Structure Based Flexible Strain Sensor for Simultaneous Detection of Various Human Joint Motions. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 1866-1872	4	22
270	Oxygen Vacancy Promoted O ₂ Activation over Perovskite Oxide for Low-Temperature CO Oxidation. <i>ACS Catalysis</i> , 2019 , 9, 9751-9763	13.1	116
269	Constructing hierarchical carbon framework and quantifying water transfer for novel solar evaporation configuration. <i>Carbon</i> , 2019 , 155, 25-33	10.4	28
268	Controllable Ceramic Green-Body Configuration for Complex Ceramic Architectures with Fine Features. <i>Advanced Functional Materials</i> , 2019 , 29, 1807082	15.6	20
267	Metallization of 3D Printed Polymers and Their Application as a Fully Functional Water-Splitting System. <i>Advanced Science</i> , 2019 , 6, 1801670	13.6	32
266	3D-printed ceramic structures with in situ grown whiskers for effective oil/water separation. <i>Chemical Engineering Journal</i> , 2019 , 373, 1223-1232	14.7	29
265	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. <i>Chemical Communications</i> , 2019 , 55, 8587-8590	5.8	
264	GO-Functionalized Large Magnetic Iron Oxide Nanoparticles with Enhanced Colloidal Stability and Hyperthermia Performance. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22703-22713	9.5	37
263	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	8.1	33
262	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. <i>Chemical Communications</i> , 2019 , 55, 4503-4506	5.8	2
261	3D-Printed Anti-Fouling Cellulose Mesh for Highly Efficient Oil/Water Separation Applications. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13787-13795	9.5	67
260	Room-Temperature Magnets Based on 1,3,5-Triazine-Linked Porous Organic Radical Frameworks. <i>Chem</i> , 2019 , 5, 1223-1234	16.2	41
259	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	4.3	10
258	Chemically Exfoliated VSe Monolayers with Room-Temperature Ferromagnetism. <i>Advanced Materials</i> , 2019 , 31, e1903779	24	131
257	High loading accessible active sites via designable 3D-printed metal architecture towards promoting electrocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18338-18347	13	15
256	NiFe (sulfur)oxyhydroxide porous nanoclusters/Ni foam composite electrode drives a large-current-density oxygen evolution reaction with an ultra-low overpotential. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18816-18822	13	17
255	Digital light processing 3D printing of graphene/carbonyl iron/polymethyl methacrylate nanocomposites for efficient microwave absorption. <i>Composites Part B: Engineering</i> , 2019 , 179, 107533	10	39
254	Correlation of resistance switching and polarization rotation in copper doped zinc oxide (ZnO:Cu) thin films studied by Scanning Probe Microscopy. <i>Journal of Materiomics</i> , 2019 , 5, 574-582	6.7	2

253	Clustering-induced high magnetization in Co-doped TiO ₂ . <i>Emergent Materials</i> , 2019 , 2, 295-301	3.5	18
252	Confinement-Induced Giant Spin-Orbit-Coupled Magnetic Moment of Co Nanoclusters in TiO Films. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43781-43788	9.5	3
251	Tuning the polarization rotation behavior in undoped zinc oxide thin films. <i>Journal of Alloys and Compounds</i> , 2019 , 810, 151900	5.7	0
250	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	5.8	10
249	Enhanced ferromagnetism in WS ₂ via defect engineering. <i>Journal of Alloys and Compounds</i> , 2019 , 772, 740-744	5.7	20
248	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	5.7	40
247	High-Magnetization Tetragonal Ferrite-Based Films Induced by Carbon and Oxygen Vacancy Pairs. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1049-1056	9.5	4
246	3D-Printed MOF-Derived Hierarchically Porous Frameworks for Practical High-Energy Density LiO ₂ Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1806658	15.6	138
245	[n]Cyclo-para-biphenylmethine Polyradicaloids: [n]Annulene Analogs and Unusual Valence Tautomerization. <i>CheM</i> , 2019 , 5, 108-121	16.2	13
244	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	5.3	10
243	Dual-Native Vacancy Activated Basal Plane and Conductivity of MoSe with High-Efficiency Hydrogen Evolution Reaction. <i>Small</i> , 2018 , 14, e1704150	11	78
242	Annealing effect on the ferromagnetism of MoS ₂ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2018 , 746, 399-404	5.7	17
241	From Open-Shell Singlet Diradicaloid to Closed-Shell Global Antiaromatic Macrocycles. <i>Angewandte Chemie</i> , 2018 , 130, 7284-7288	3.6	13
240	Molecular O Activation over Cu(I)-Mediated C≡N Bond for Low-Temperature CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17167-17174	9.5	16
239	From Open-Shell Singlet Diradicaloid to Closed-Shell Global Antiaromatic Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7166-7170	16.4	26
238	Magnetic resonance imaging quantification and biodistribution of magnetic nanoparticles using T-enhanced contrast. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1470-1478	7.3	4
237	Mesoporous Perovskite Nanotube-Array Enhanced Metallic-State Platinum Dispersion for Low Temperature Propane Oxidation. <i>ChemCatChem</i> , 2018 , 10, 2184-2189	5.2	10
236	Stable Nitrogen-Centered Bis(imino)rylene Diradicaloids. <i>Chemistry - A European Journal</i> , 2018 , 24, 4944-4951	4.5	11

235	In Situ Grown Epitaxial Heterojunction Exhibits High-Performance Electrocatalytic Water Splitting. <i>Advanced Materials</i> , 2018 , 30, e1705516	24	273
234	EMnS films with 3D microarchitectures: comprehensive study of the synthesis, microstructural, optical and magnetic properties. <i>CrystEngComm</i> , 2018 , 20, 578-589	3.3	7
233	Examining the effect of ions and proteins on the heat dissipation of iron oxide nanocrystals.. <i>RSC Advances</i> , 2018 , 8, 1443-1450	3.7	1
232	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	21.8	74
231	Macrocyclic Polyradicaloids with Unusual Super-ring Structure and Global Aromaticity. <i>CheM</i> , 2018 , 4, 1586-1595	16.2	79
230	TMD-based highly efficient electrocatalysts developed by combined computational and experimental approaches. <i>Chemical Society Reviews</i> , 2018 , 47, 4332-4356	58.5	154
229	Hollow Mo-doped CoP nanoarrays for efficient overall water splitting. <i>Nano Energy</i> , 2018 , 48, 73-80	17.1	418
228	Robocasting of dense yttria-stabilized zirconia structures. <i>Journal of Materials Science</i> , 2018 , 53, 247-273	4.3	48
227	Magnetic properties of Co doped WSe ₂ by implantation. <i>Journal of Alloys and Compounds</i> , 2018 , 731, 25-31	5.7	26
226	Global Aromaticity in Macrocyclic Cyclopenta-Fused Tetraphenanthrenylene Tetraradicaloid and Its Charged Species. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13052-13056	16.4	35
225	Model of laser energy absorption adjusted to optical measurements with effective use in finite element simulation of selective laser melting. <i>Materials and Design</i> , 2018 , 157, 24-34	8.1	27
224	Toward Two-Dimensional Conjugated Covalent Organic Radical Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8007-8011	16.4	94
223	Hierarchical Design of NiOOH@Amorphous Ni-P Bilayer on a 3D Mesh Substrate for High-Efficiency Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30273-30282	9.5	16
222	Stable Expanded Porphycene-Based Diradicaloid and Tetraradicaloid. <i>Angewandte Chemie</i> , 2018 , 130, 12714-12717	3.6	3
221	Oxygen vacancy enhancement promoting strong green emission through surface modification in ZnO thin film. <i>Applied Surface Science</i> , 2018 , 462, 466-470	6.7	25
220	Stable Expanded Porphycene-Based Diradicaloid and Tetraradicaloid. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12534-12537	16.4	19
219	Ar ²⁺ Beam Irradiation-Induced Multivacancies in MoSe ₂ Nanosheet for Enhanced Electrochemical Hydrogen Evolution. <i>ACS Energy Letters</i> , 2018 , 3, 2167-2172	20.1	49
218	Hydrogen Evolution Catalyzed by a Molybdenum Sulfide Two-Dimensional Structure with Active Basal Planes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22042-22049	9.5	15

217	Intrinsic or Interface Clustering-Induced Ferromagnetism in Fe-Doped InO-Diluted Magnetic Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22372-22380	9.5	19
216	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	13	79
215	Diazuleno-s-indacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. <i>Angewandte Chemie</i> , 2018 , 130, 16979-16983	3.6	19
214	Superoctazethrene: An Open-Shell Graphene-like Molecule Possessing Large Diradical Character but Still with Reasonable Stability. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14054-14058	16.4	48
213	Ceramic Robocasting: Recent Achievements, Potential, and Future Developments. <i>Advanced Materials</i> , 2018 , 30, e1802404	24	101
212	Diazuleno-s-indacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16737-16741	16.4	38
211	Control of magnetic anisotropy by orbital hybridization with charge transfer in (La _{0.67} Sr _{0.33} MnO ₃) _n /(SrTiO ₃) _n superlattice. <i>NPG Asia Materials</i> , 2018 , 10, 931-942	10.3	7
210	Room Temperature Strong Emission and Excitonic Enhancement in Multiple-Stacked Nano-Porous ZnO Thin Film. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018 , 215, 1800458	1.6	3
209	Global Aromaticity in Macrocyclic Cyclopenta-Fused Tetraphenanthrenylene Tetraradicaloid and Its Charged Species. <i>Angewandte Chemie</i> , 2018 , 130, 13236-13240	3.6	13
208	Toward Two-Dimensional π -Conjugated Covalent Organic Radical Frameworks. <i>Angewandte Chemie</i> , 2018 , 130, 8139-8143	3.6	20
207	Curved π -conjugated corannulene dimer diradicaloids. <i>Chemical Science</i> , 2018 , 9, 5100-5105	9.4	17
206	Re doping induced 2H-1T phase transformation and ferromagnetism in MoS ₂ nanosheets. <i>Applied Physics Letters</i> , 2018 , 113, 013101	3.4	26
205	A Peri-tetracene Diradicaloid: Synthesis and Properties. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9697-9701	16.4	60
204	A Peri-tetracene Diradicaloid: Synthesis and Properties. <i>Angewandte Chemie</i> , 2018 , 130, 9845-9849	3.6	27
203	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. <i>Advanced Functional Materials</i> , 2018 , 28, 1801766	15.6	13
202	Pd-Ce nanoparticles supported on functional Fe-MIL-101-NH ₂ : An efficient catalyst for selective glycerol oxidation. <i>Catalysis Today</i> , 2017 , 279, 77-83	5.3	26
201	Radical and Diradical Formation in Naphthalene Diimides through Simple Chemical Oxidation. <i>ChemPhysChem</i> , 2017 , 18, 591-595	3.2	17
200	Rylene Ribbons with Unusual Diradical Character. <i>Chem</i> , 2017 , 2, 81-92	16.2	82

199	Defects engineering induced room temperature ferromagnetism in transition metal doped MoS ₂ . <i>Materials and Design</i> , 2017 , 121, 77-84	8.1	81
198	Extrusion printing of a designed three-dimensional YBa ₂ Cu ₃ O _{7-x} superconductor with milled precursor powder. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3382-3389	7.1	11
197	Enhanced oxygen evolution reaction by Co-O-C bonds in rationally designed Co ₃ O ₄ /graphene nanocomposites. <i>Nano Energy</i> , 2017 , 33, 445-452	17.1	102
196	Toward Stable Superbenzoquinone Diradicaloids. <i>Angewandte Chemie</i> , 2017 , 129, 5094-5098	3.6	18
195	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	20.1	165
194	A Stable N-Annulated Perylene-Bridged Bisphenoxyl Diradicaloid and the Corresponding Boron Trifluoride Complex. <i>Chemistry - A European Journal</i> , 2017 , 23, 9419-9424	4.8	11
193	Solution-Processed Highly Superparamagnetic and Conductive PEDOT:PSS/FeO Nanocomposite Films with High Transparency and High Mechanical Flexibility. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19001-19010	9.5	38
192	Cyclopenta Ring Fused Bisanthene and Its Charged Species with Open-Shell Singlet Diradical Character and Global Aromaticity/ Anti-Aromaticity. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11415-11419	16.4	44
191	Ferrite-based soft and hard magnetic structures by extrusion free-forming. <i>RSC Advances</i> , 2017 , 7, 27128-27138	8.7	16
190	Toward Benzobis(thiadiazole)-based Diradicaloids. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2177-2182	4.5	16
189	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	4.8	10
188	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	5.7	18
187	Toward Stable Superbenzoquinone Diradicaloids. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5012-5016	16.4	32
186	Phase-transfer induced room temperature ferromagnetic behavior in 1T@2H-MoSe nanosheets. <i>Scientific Reports</i> , 2017 , 7, 45307	4.9	17
185	Activating Basal Planes and S-Terminated Edges of MoS ₂ toward More Efficient Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2017 , 27, 1604943	15.6	104
184	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	21.8	215
183	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	7.1	5
182	Low-Field Dynamic Magnetic Separation by Self-Fabricated Magnetic Meshes for Efficient Heavy Metal Removal. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36772-36782	9.5	24

181	A Three-Dimensionally EConjugated Diradical Molecular Cage. <i>Angewandte Chemie</i> , 2017 , 129, 15585-15589	16.4	35
180	A Three-Dimensionally EConjugated Diradical Molecular Cage. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15383-15387	16.4	35
179	Inducing High Coercivity in MoS ₂ Nanosheets by Transition Element Doping. <i>Chemistry of Materials</i> , 2017 , 29, 9066-9074	9.6	50
178	Fluorenyl Based Macrocyclic Polyradicaloids. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13173-13183	16.4	44
177	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	24	52
176	Stable Oxindolyl-Based Analogues of Chichibabin's and Miller's Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14154-14158	16.4	22
175	Stable Oxindolyl-Based Analogues of Chichibabin's and Miller's Hydrocarbons. <i>Angewandte Chemie</i> , 2017 , 129, 14342-14346	3.6	8
174	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	12.8	44
173	Economical Fe-doped Ta ₂ O ₅ electrocatalyst toward efficient oxygen evolution: a combined experimental and first-principles study. <i>MRS Communications</i> , 2017 , 7, 563-569	2.7	1
172	Conformationally Flexible Bis(9-fluorenylidene)porphyrin Diradicaloids. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13484-13488	16.4	33
171	Three-dimensional printed cellular stainless steel as a high-activity catalytic electrode for oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18176-18182	13	45
170	Synthesis, structures and magnetic properties of isorecticular polyrotaxane-type two-dimensional coordination polymers. <i>RSC Advances</i> , 2017 , 7, 45582-45586	3.7	3
169	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	3.6	20
168	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	1.4	10
167	Microwave permeability of stripe patterned FeCoN thin film. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 426, 467-472	2.8	9
166	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	8.4	19
165	Polarization behavior of zinc oxide thin films studied by temperature dependent spectroscopic ellipsometry. <i>Optical Materials Express</i> , 2017 , 7, 3902	2.6	9
164	Low temperature propane oxidation over Co ₃ O ₄ based nano-array catalysts: Ni dopant effect, reaction mechanism and structural stability. <i>Applied Catalysis B: Environmental</i> , 2016 , 180, 150-160	21.8	131

163	Intrinsic Ferromagnetism in the Diluted Magnetic Semiconductor Co:TiO ₂ . <i>Physical Review Letters</i> , 2016 , 117, 227202	7.4	46
162	Supramolecular Isomerism and Polyrotaxane-Based Two-Dimensional Coordination Polymers. <i>Crystal Growth and Design</i> , 2016 , 16, 7278-7285	3.5	23
161	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, 10323-30	16.4	89
160	Silver nanoparticles disrupt germline stem cell maintenance in the Drosophila testis. <i>Scientific Reports</i> , 2016 , 6, 20632	4.9	35
159	Extended Bis(benzothia)quinodimethanes and Their Dications: From Singlet Diradicaloids to Isoelectronic Structures of Long Acenes. <i>Angewandte Chemie</i> , 2016 , 128, 9462-9466	3.6	15
158	A combinatorial approach to enhance the biocompatibility and heating efficiency of magnetic hyperthermia- Serum Albumin conjugated ferrimagnetic magnetite nanoparticles. <i>MRS Advances</i> , 2016 , 1, 247-254	0.7	1
157	Strong Modification of Excitons and Optical Conductivity for Different Dielectric Environments in ZnO Films. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-9	1.8	19
156	Fully Fused Quinoidal/Aromatic Carbazole Macrocycles with Poly-radical Characters. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7782-90	16.4	63
155	Tunable Electrical Conductivity and Magnetic Property of the Two Dimensional Metal Organic Framework [Cu(TPyP)Cu ₂ (O ₂ CCH ₃) ₄]. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16154-9	9.5	72
154	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	19.5	51
153	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, 3259-63	7.7	49
152	Structures and properties of transition-metal-doped TiO ₂ nanorods. <i>Materials Letters</i> , 2016 , 170, 142-146	4.3	32
151	Size-dependent microwave absorption properties of Fe ₃ O ₄ nanodiscs. <i>RSC Advances</i> , 2016 , 6, 25444-25448	4.8	36
150	Benzo-thia-fused π -thienoacenequinodimethanes with small to moderate diradical characters: the role of pro-aromaticity anti-aromaticity. <i>Chemical Science</i> , 2016 , 7, 3036-3046	9.4	31
149	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, 2911-9	4.2	34
148	Toward Tetraradicaloid: The Effect of Fusion Mode on Radical Character and Chemical Reactivity. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1065-77	16.4	76
147	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. <i>Advanced Healthcare Materials</i> , 2016 , 5, 2092-104	10.1	56
146	Super-heptazethrene. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8615-9	16.4	59

145	Super-heptazethrene. <i>Angewandte Chemie</i> , 2016 , 128, 8757-8761	3.6	19
144	Kinetically Blocked Stable 5,6:12,13-Dibenzozethrene: A Laterally Extended Zethrene with Enhanced Diradical Character. <i>Organic Letters</i> , 2016 , 18, 2886-9	6.2	23
143	High catalytic activity of oxygen-induced (200) surface of Ta2O5 nanolayer towards durable oxygen evolution reaction. <i>Nano Energy</i> , 2016 , 25, 60-67	17.1	24
142	Networked Spin Cages: Tunable Magnetism and Lithium Ion Storage via Modulation of Spin-Electron Interactions. <i>Inorganic Chemistry</i> , 2016 , 55, 9892-9897	5.1	6
141	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	16.4	35
140	One-dimensional fossil-like Fe2O3@carbon nanostructure: preparation, structural characterization and application as adsorbent for fast and selective recovery of gold ions from aqueous solution. <i>Nanotechnology</i> , 2016 , 27, 415701	3.4	2
139	Metallic Ni3N nanosheets with exposed active surface sites for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17363-17369	13	177
138	Fabrication of YBa2Cu3O7-x (YBCO) superconductor bulk structures by extrusion freeforming. <i>Ceramics International</i> , 2016 , 42, 15836-15842	5.1	21
137	Novel room-temperature spin-valve-like magnetoresistance in magnetically coupled nano-column Fe3O4/Ni heterostructure. <i>Nanoscale</i> , 2016 , 8, 15737-43	7.7	8
136	Nanoscaled self-alignment of Fe3O4 nanodiscs in ultrathin rGO films with engineered conductivity for electromagnetic interference shielding. <i>Nanoscale</i> , 2016 , 8, 15989-98	7.7	54
135	Extended Bis(benzothia)quinodimethanes and Their Dications: From Singlet Diradicaloids to Isoelectronic Structures of Long Acenes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9316-20	16.4	48
134	Push-Pull Type Oligo(N-annulated perylene)quinodimethanes: Chain Length and Solvent-Dependent Ground States and Physical Properties. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8572-83	16.4	76
133	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	3.5	18
132	Nanoscale magnetization reversal caused by electric field-induced ion migration and redistribution in cobalt ferrite thin films. <i>ACS Nano</i> , 2015 , 9, 4210-8	16.7	48
131	Achieving a high magnetization in sub-nanostructured magnetite films by spin-flipping of tetrahedral Fe3+ cations. <i>Nano Research</i> , 2015 , 8, 2935-2945	10	19
130	Size dependent magnetic hyperthermia of octahedral Fe3O4 nanoparticles. <i>RSC Advances</i> , 2015 , 5, 76764-76773	3.7	35
129	Enhancement of Microwave Properties of FeCoN Films on Mica Substrates by Control of SiO2 Underlayer Thickness. <i>IEEE Magnetism Letters</i> , 2015 , 6, 1-4	1.6	
128	Deposition of high permeability FeCoN films on mica substrates. <i>Journal of Applied Physics</i> , 2015 , 118, 013902	2.5	7

127	L10-FePt films fabricated by wet-chemical route. <i>Thin Solid Films</i> , 2015 , 589, 649-654	2.2	1
126	A Facile Chemical Solution-Based Method for Epitaxial Growth of Thick Ferrite Films. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500102	6.4	2
125	Shape-dependent microwave permeability of Fe ₃ O ₄ nanoparticles: a combined experimental and theoretical study. <i>Nanotechnology</i> , 2015 , 26, 265704	3.4	7
124	Novel magnetic vortex nanorings/nanodiscs: Synthesis and theranostic applications. <i>Chinese Physics B</i> , 2015 , 24, 127505	1.2	12
123	Zn vacancy induced ferromagnetism in K doped ZnO. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11953-11958	19.58	34
122	Ferromagnetism and Crossover of Positive Magnetoresistance to Negative Magnetoresistance in Na-Doped ZnO. <i>Chemistry of Materials</i> , 2015 , 27, 1285-1291	9.6	31
121	Magnetic vortex nanorings: a new class of hyperthermia agent for highly efficient in vivo regression of tumors. <i>Advanced Materials</i> , 2015 , 27, 1939-44	24	128
120	Orientation Mediated Enhancement on Magnetic Hyperthermia of Fe ₃ O ₄ Nanodisc. <i>Advanced Functional Materials</i> , 2015 , 25, 812-820	15.6	101
119	Synthesis of FeCo nanoparticles from FeO(OH) and Co ₃ O ₄ using oleic acid as reduction agent. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	7
118	Manipulating the surface coating of ultra-small Gd ₂ O ₃ nanoparticles for improved T1-weighted MR imaging. <i>Biomaterials</i> , 2014 , 35, 1636-42	15.6	96
117	Magnetic nanoparticle-loaded polymer nanospheres as magnetic hyperthermia agents. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 120-128	7.3	84
116	Interplay of Cu and oxygen vacancy in optical transitions and screening of excitons in ZnO:Cu films. <i>Applied Physics Letters</i> , 2014 , 104, 081922	3.4	31
115	para-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	4.8	42
114	Carbon Nanotube-Encapsulated Noble Metal Nanoparticle Hybrid as a Cathode Material for Li-Oxygen Batteries. <i>Advanced Functional Materials</i> , 2014 , 24, 6516-6523	15.6	143
113	Turning on the biradical state of tetracyano-perylene and quaterrylenequinodimethanes by incorporation of additional thiophene rings. <i>Chemical Science</i> , 2014 , 5, 3072-3080	9.4	43
112	Concentration-dependent magnetic hyperthermic response of manganese ferrite-loaded ultrasmall graphene oxide nanocomposites. <i>New Journal of Chemistry</i> , 2014 , 38, 2312-2319	3.6	17
111	Coating Engineering of MnFe ₂ O ₄ Nanoparticles with Superhigh T2 Relaxivity and Efficient Cellular Uptake for Highly Sensitive Magnetic Resonance Imaging. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1300069	4.6	34
110	Ferromagnetic ordering in Mn-doped ZnO nanoparticles. <i>Nanoscale Research Letters</i> , 2014 , 9, 625	5	51

109	Large-Scale Synthesis of Large-Sized Monodispersed Iron Oxide Nanoeggs. <i>Applied Mechanics and Materials</i> , 2014 , 692, 206-209	0.3	
108	Tetracyanoquaterrylene and tetracyanohexarylenequinodimethanes with tunable ground states and strong near-infrared absorption. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8561-5	16.4	88
107	Magnetic and optical studies of hydrogenated Cu-doped ZnO film. <i>Journal of the Korean Physical Society</i> , 2013 , 62, 1738-1743	0.6	1
106	Dibenzoheptazethrene isomers with different biradical characters: an exercise of Clar's aromatic sextet rule in singlet biradicaloids. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18229-36	16.4	147
105	Mesoporous carbon decorated graphene as an efficient electrode material for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7469	13	51
104	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	5.1	6
103	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	7.1	94
102	Controllable synthesis of ZnO nanoparticles with high intensity visible photoemission and investigation of its mechanism. <i>Nanotechnology</i> , 2013 , 24, 175702	3.4	24
101	Direct observation of lithium-ion transport under an electrical field in Li _x CoO ₂ nanograins. <i>Scientific Reports</i> , 2013 , 3, 1084	4.9	68
100	Pushing extended p-quinodimethanes to the limit: stable tetracyano-oligo(N-annulated perylene)quinodimethanes with tunable ground states. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6363-71	16.4	150
99	Superparamagnetic Nanostructures for Off-Resonance Magnetic Resonance Spectroscopic Imaging. <i>Advanced Functional Materials</i> , 2013 , 23, 496-505	15.6	16
98	Tetracyanoquaterrylene and Tetracyanohexarylenequinodimethanes with Tunable Ground States and Strong Near-Infrared Absorption. <i>Angewandte Chemie</i> , 2013 , 125, 8723-8727	3.6	29
97	Synthesis of Fe ₂ O ₃ Templates via Hydrothermal Route and Fe ₃ O ₄ Particles Through Subsequent Chemical Reduction. <i>Science of Advanced Materials</i> , 2013 , 5, 1199-1207	2.3	9
96	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, 14913-22	16.4	213
95	Bipolar charge storage characteristics in copper and cobalt co-doped zinc oxide (ZnO) thin film. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 5276-80	9.5	18
94	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, 14513-25	16.4	176
93	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, 17286-90	16.4	72
92	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	5.7	13

91	Multimodality treatment of cancer with herceptin conjugated, thermomagnetic iron oxides and docetaxel loaded nanoparticles of biodegradable polymers. <i>Biomaterials</i> , 2012 , 33, 7519-29	15.6	99
90	Synthesis of manganese ferrite/graphene oxide nanocomposites for biomedical applications. <i>Small</i> , 2012 , 8, 3620-30	11	104
89	Robust room-temperature ferromagnetism with giant anisotropy in Nd-doped ZnO nanowire arrays. <i>Nano Letters</i> , 2012 , 12, 3994-4000	11.5	146
88	Succinic anhydride functionalized alkenoic ligands: a facile route to synthesize water dispersible nanocrystals. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13832		12
87	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		175
86	Room temperature ferromagnetism in Teflon due to carbon dangling bonds. <i>Nature Communications</i> , 2012 , 3, 727	17.4	44
85	Stable vortex magnetite nanorings colloid: Micromagnetic simulation and experimental demonstration. <i>Journal of Applied Physics</i> , 2012 , 111, 044303	2.5	34
84	Combination Control, Nanomagnetism and Biomedical Applications of Inorganic Multicomponent Hybrid Nanomaterials 2012 , 421-454		
83	High-Coercivity in $\alpha\text{-Fe}_2\text{O}_3$ Formed After Annealing From $\gamma\text{-Fe}_2\text{O}_3$ Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3340-3342	2	13
82	Novel synthesis of superparamagnetic magnetite nanoclusters for biomedical applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14717		66
81	Mutual ferromagnetic-ferroelectric coupling in multiferroic copper-doped ZnO. <i>Advanced Materials</i> , 2011 , 23, 1635-40	24	85
80	Vitamin E (D-alpha-tocopheryl-co-poly(ethylene glycol) 1000 succinate) micelles-superparamagnetic iron oxide nanoparticles for enhanced hyperthermia and MRI. <i>Biomaterials</i> , 2011 , 32, 5663-72	15.6	87
79	SINGLE STEP SYNTHESIS OF HYDROPHOBIC AND HYDROPHILIC NANOPARTICLES VIA THERMAL DECOMPOSITION. <i>International Journal of Nanoscience</i> , 2011 , 10, 943-947	0.6	3
78	Correlated d ₀ ferromagnetism and photoluminescence in undoped ZnO nanowires. <i>Applied Physics Letters</i> , 2010 , 96, 112511	3.4	215
77	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	3.4	19
76	Formulation of iron oxides by nanoparticles of poly-lactide-co-D-α-tocopherol-polyethylene glycol 1000 succinate biodegradable polymer for magnetic resonance imaging. <i>Journal of Applied Physics</i> , 2010 , 107, 09B309	2.5	5
75	Polyol-based synthesis of hydrophilic magnetite nanoparticles. <i>Journal of Applied Physics</i> , 2010 , 107, 09B310	2.5	23
74	Ferromagnetism in dilute magnetic semiconductors through defect engineering: Li-doped ZnO. <i>Physical Review Letters</i> , 2010 , 104, 137201	7.4	391

73	Facile synthesis of water-stable magnetite nanoparticles for clinical MRI and magnetic hyperthermia applications. <i>Nanomedicine</i> , 2010 , 5, 1571-84	5.6	53
72	Synthesis of Magnetite Nanooctahedra and Their Magnetic Field-Induced Two-/Three-Dimensional Superstructure. <i>Chemistry of Materials</i> , 2010 , 22, 3183-3191	9.6	119
71	Synthesis of ZnO Nanoparticles with Tunable Emission Colors and Their Cell Labeling Applications. <i>Chemistry of Materials</i> , 2010 , 22, 3383-3388	9.6	183
70	Quantum dot capped magnetite nanorings as high performance nanoprobe for multiphoton fluorescence and magnetic resonance imaging. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14803-11	16.4	121
69	Synthesis of ZnO-Pt nanoflowers and their photocatalytic applications. <i>Nanotechnology</i> , 2010 , 21, 185605	5.4	82
68	Structural and magnetic studies of Cu-doped ZnO films synthesized via a hydrothermal route. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5756		20
67	Thiol-capped ZnO nanowire/nanotube arrays with tunable magnetic properties at room temperature. <i>ACS Nano</i> , 2010 , 4, 495-505	16.7	69
66	The use of microgel iron oxide nanoparticles in studies of magnetic resonance relaxation and endothelial progenitor cell labelling. <i>Biomaterials</i> , 2010 , 31, 3296-306	15.6	44
65	Ag/Au-decorated Fe ₃ O ₄ /SiO ₂ composite nanospheres for catalytic applications. <i>Acta Materialia</i> , 2010 , 58, 3825-3831	8.4	25
64	ONE-POT SYNTHESIS OF HYDROPHILIC AND HYDROPHOBIC FERROFLUID. <i>International Journal of Nanoscience</i> , 2009 , 08, 65-69	0.6	5
63	Microgel iron oxide nanoparticles for tracking human fetal mesenchymal stem cells through magnetic resonance imaging. <i>Stem Cells</i> , 2009 , 27, 1921-31	5.8	64
62	Synthesis of magnetite nanoparticles via a solvent-free thermal decomposition route. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 1256-1259	2.8	99
61	Studies of magnetite nanoparticles synthesized by thermal decomposition of iron (III) acetylacetonate in tri(ethylene glycol). <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 3093-3098	3.8	119
60	Engineering Magnetic Properties of Ni Nanoparticles by Non-Magnetic Cores. <i>Chemistry of Materials</i> , 2009 , 21, 5222-5228	9.6	57
59	Synthesis of NiS and MnS Nanocrystals from the Molecular Precursors (TMEDA)M(SC(O)C ₆ H ₅) ₂ (M = Ni, Mn). <i>Crystal Growth and Design</i> , 2009 , 9, 352-357	3.5	54
58	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 , 938-40	5.8	39
57	Macroporous Silica Hollow Microspheres as Nanoparticle Collectors. <i>Chemistry of Materials</i> , 2009 , 21, 3629-3637	9.6	77
56	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	3.6	39

55	Single-crystalline MFe(2)O(4) nanotubes/nanorings synthesized by thermal transformation process for biological applications. <i>ACS Nano</i> , 2009 , 3, 2798-808	16.7	188
54	Monodisperse silica nanoparticles encapsulating upconversion fluorescent and superparamagnetic nanocrystals. <i>Chemical Communications</i> , 2008 , 694-6	5.8	152
53	Morphological control of synthesis and anomalous magnetic properties of 3-D branched Pt nanoparticles. <i>Langmuir</i> , 2008 , 24, 375-8	4	72
52	Engineering inorganic hybrid nanoparticles: tuning combination fashions of gold, platinum, and iron oxide. <i>Langmuir</i> , 2008 , 24, 13197-202	4	18
51	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	9.6	24
50	Comparative Study of Room-Temperature Ferromagnetism in Cu-Doped ZnO Nanowires Enhanced by Structural Inhomogeneity. <i>Advanced Materials</i> , 2008 , 20, 3521-3527	24	200
49	Double-layer silica core-shell nanospheres with superparamagnetic and fluorescent functionalities. <i>Chemical Physics Letters</i> , 2008 , 461, 114-117	2.5	35
48	Magnetic molybdenum disulfide nanosheet films. <i>Nano Letters</i> , 2007 , 7, 2370-6	11.5	220
47	Highly textured, magnetic Fe(1+x)S nanorods grown on silicon. <i>Applied Physics Letters</i> , 2007 , 91, 084105	3.4	21
46	Synthesis, Structure, and Magnetic Properties of [Li(H ₂ O)M(N ₂ H ₃ CO ₂) ₃]D ₂ .5H ₂ O (M = Co, Ni) as Single Precursors to LiMO ₂ Battery Materials. <i>Chemistry of Materials</i> , 2006 , 18, 1587-1594	9.6	58
45	Syntheses, structures and properties of copper(II) complexes containing N-(2-hydroxybenzyl)-amino amide ligands. <i>Inorganica Chimica Acta</i> , 2006 , 359, 3481-3490	2.7	39
44	Growth of single-crystalline Ni and Co nanowires via electrochemical deposition and their magnetic properties. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 3094-8	3.4	231
43	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	2.5	11
42	MAGNETIC PROPERTIES OF Co-FERRITE AND SiO ₂ -DOPED Co-FERRITE THIN FILMS AND POWDERS BY SOL-GEL. <i>International Journal of Nanoscience</i> , 2004 , 03, 463-470	0.6	1
41	MAGNETOELASTIC NANOCRYSTALLINE Co-Ni ALLOYS. <i>International Journal of Nanoscience</i> , 2004 , 03, 615-623	0.6	2
40	Fine Strontium Ferrite Powders from an Ethanol-Based Microemulsion. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1049-1055	3.8	47
39	Chemical synthesis and characterization of boron/boron nitride core-shell nanostructures. <i>Journal of Materials Research</i> , 2003 , 18, 1641-1645	2.5	4
38	Large magnetic entropy change in Nd _{2/3} Sr _{1/3} MnO ₃ . <i>Applied Physics A: Materials Science and Processing</i> , 2003 , 77, 641-643	2.6	13

37	Smith chart approach to the design of multilayer resistive sheet. <i>IEEE Microwave and Wireless Components Letters</i> , 2003 , 13, 24-26	2.6	7
36	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	2.5	12
35	Superconductivity of MgB ₂ after Mechanical Milling. <i>Physica Status Solidi A</i> , 2002 , 191, 548-554		11
34	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	2.6	42
33	Dispersing and coating of transition metals Co, Fe and Ni on carbon materials. <i>Chemical Physics Letters</i> , 2002 , 362, 135-143	2.5	27
32	Magnetic relaxation in spinel Mo-ferrite and Ti substituted Mo-ferrite. <i>European Physical Journal B</i> , 2002 , 27, 49-54	1.2	1
31	Enhanced magnetization of nanostructured granular Ni/[Cu(II)O] films. <i>Applied Physics Letters</i> , 2002 , 80, 1028-1030	3.4	10
30	Catalytic growth of very long composite nanofibres containing Co (or Fe, Ni), SrO and trace carbon. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2445-2448		
29	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. <i>Materials Transactions</i> , 2001 , 42, 664-669	1.3	2
28	Bulk Hard Magnetic Alloys in Nd-Fe-B System Prepared by Casting and Melt Spinning. <i>Materials Transactions</i> , 2001 , 42, 674-677	1.3	2
27	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	2.6	12
26	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	1.9	15
25	Ultrafine zinc oxide powders prepared by precipitation/mechanical milling. <i>Journal of Materials Science</i> , 2001 , 36, 3273-3276	4.3	35
24	Amorphous magnetic RE-Fe-Al alloys. <i>IEEE Transactions on Magnetics</i> , 2001 , 37, 2500-2502	2	6
23	New salicidation technology with Ni(Pt) alloy for MOSFETs. <i>IEEE Electron Device Letters</i> , 2001 , 22, 568-570	4	71
22	Strong unidirectional anisotropy in mechanically alloyed spinel ferrites. <i>Journal of Applied Physics</i> , 2001 , 90, 4078-4084	2.5	36
21	Structure and magnetic properties of iron-based cyanide compounds. <i>IEEE Transactions on Magnetics</i> , 2001 , 37, 2938-2940	2	4
20	Growth of multi-walled carbon nanotubes on mechanical alloying-derived Al ₂ O ₃ /Ni nanocomposite powder. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2523-2528		4

19	Copper complex with a magnetic ordering temperature above 400 K. <i>Applied Physics Letters</i> , 2001 , 78, 3502-3504	3.4	16
18	Ultrafine Cobalt-Iron Cyanide Particles Prepared by Microemulsion Method. <i>Physica Status Solidi A</i> , 2000 , 180, 547-553		14
17	Catalytic growth of carbon nanoballs with and without cobalt encapsulation. <i>Chemical Physics Letters</i> , 2000 , 330, 41-47	2.5	76
16	Ultrafine magnetic cyanide particles. <i>Journal of Applied Physics</i> , 2000 , 87, 6049-6051	2.5	16
15	Flash temperature induced magnetic degradation in high density magnetic recording. <i>Journal of Applied Physics</i> , 2000 , 87, 6158-6160	2.5	10
14	Influence of different substrates on potential magnetic degradation during slider-disk impact. <i>IEEE Transactions on Magnetics</i> , 2000 , 36, 2686-2688	2	12
13	A study on barium ferrite particles prepared by chemical coprecipitation. <i>Journal of Materials Research</i> , 2000 , 15, 2151-2156	2.5	11
12	High coercivity in SiO ₂ -doped CoFe ₂ O ₄ powders and thin films. <i>Applied Physics Letters</i> , 2000 , 77, 3621-3623	3.4	53
11	Improved NiSi silicide process using presilicide N/sub 2//sup +/- implant for MOSFETs. <i>IEEE Electron Device Letters</i> , 2000 , 21, 566-568	4.4	28
10	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		22
9	Magnetoresistivity and metamagnetism of the Nd ₃₃ Fe ₅₀ Al ₁₇ alloy. <i>Applied Physics Letters</i> , 1999 , 75, 1763-1765	3.4	12
8	The coercivity of rapidly quenched alloys. <i>Journal Physics D: Applied Physics</i> , 1999 , 32, 713-716	3	50
7	Structure and Magnetic Properties of Y ₆₀ Fe ₃₀ Al ₁₀ Melt-Spun Ribbons. <i>Physica Status Solidi A</i> , 1999 , 172, 461-468		5
6	Magnetic Properties of Mechanically Alloyed Sm ₂ Fe ₁₇ GaxCy. <i>Physica Status Solidi A</i> , 1999 , 172, 469-475		1
5	Observation of continuous and step-like thermomagnetization in Nd-Fe-Al amorphous alloys. <i>IEEE Transactions on Magnetics</i> , 1999 , 35, 3460-3462	2	5
4	An Fe ₂ O ₃ powder of nanosized particles via precursor dispersion. <i>Journal of Materials Research</i> , 1999 , 14, 3355-3362	2.5	18
3	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		10
2	3D Printing of Next-generation Electrochemical Energy Storage Devices: from Multiscale to Multimaterial. <i>Energy and Environmental Materials</i> ,	13	4

- 1 Stable Quadruple Helical Tetraradicaloid with Thermally Induced Intramolecular Magnetic Switching. *CCS Chemistry*, 399-407

7.2 5