

Yanglong Hou

List of Publications by Year in Descending Order

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

299
papers

20,219
citations

80
h-index

135
g-index

323
ext. papers

23,219
ext. citations

10.9
avg, IF

7.35
L-index

#	Paper	IF	Citations
299	Magnetic Nanostructures: Rational Design and Fabrication Strategies toward Diverse Applications.. <i>Chemical Reviews</i> , 2022 ,	68.1	5
298	H ₂ O ₂ -replenishable and GSH-depletive ROS Bomb for self-enhanced chemodynamic therapy. <i>Materials Advances</i> , 2022 , 3, 1191-1199	3.3	2
297	Two-Dimensional Room-Temperature Magnetic Nonstoichiometric FeSe Nanocrystals: Controllable Synthesis and Magnetic Behavior.. <i>Nano Letters</i> , 2022 ,	11.5	9
296	Free-standing 2D ironene with magnetic vortex structure at room temperature. <i>Matter</i> , 2022 , 5, 291-301	12.7	2
295	2D FeOCl: A Highly In-Plane Anisotropic Antiferromagnetic Semiconductor Synthesized via Temperature-Oscillation Chemical Vapor Transport.. <i>Advanced Materials</i> , 2022 , e2108847	24	2
294	Free-standing and consecutive ZnSe@carbon nanofibers architectures as ultra-long lifespan anode for flexible lithium-ion batteries. <i>Nano Energy</i> , 2022 , 94, 106909	17.1	2
293	Lightweight PPy aerogel adopted with Co and SiO ₂ nanoparticles for enhanced electromagnetic wave absorption. <i>Journal of Materials Science and Technology</i> , 2022 , 97, 213-222	9.1	6
292	A review of nickel-rich layered oxide cathodes: synthetic strategies, structural characteristics, failure mechanism, improvement approaches and prospects. <i>Applied Energy</i> , 2022 , 305, 117849	10.7	8
291	Dative epitaxy of commensurate monocrystalline covalent-van der Waals moiré supercrystal.. <i>Advanced Materials</i> , 2022 , e2200117	24	6
290	Merits of Pr ₈₀ Ga ₂₀ grain boundary diffusion process towards high coercivity-remance synergy of Nd-La-Ce-Fe-B sintered magnet. <i>Acta Materialia</i> , 2022 , 231, 117873	8.4	1
289	Cobalt-iron oxide nanoparticles anchored on carbon nanotube paper to accelerate polysulfide conversion for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2022 , 909, 164805	5.7	1
288	Phonon scattering and exciton localization: molding exciton flux in two dimensional disorder energy landscape. <i>ELight</i> , 2021 , 1,		15
287	Free-standing 2D non-van der Waals antiferromagnetic hexagonal FeSe semiconductor: halide-assisted chemical synthesis and Fe related magnetic transitions.. <i>Chemical Science</i> , 2021 , 13, 203-209	9.4	3
286	The ORR electron transfer kinetics control via Co-N _x and graphitic N sites in cobalt single atom catalysts in alkaline and acidic media. <i>Journal of Energy Chemistry</i> , 2021 ,	12	7
285	2D Magnetic Heterostructures and Their Interface Modulated Magnetism. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 50591-50601	9.5	4
284	Eliminating Dendrites and Side Reactions via a Multifunctional ZnSe Protective Layer toward Advanced Aqueous Zn Metal Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2100186	15.6	29
283	Engineering Nanoparticles toward the Modulation of Emerging Cancer Immunotherapy. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2000845	10.1	15

282	Turning on Zn 4s Electrons in a N2-Zn-B2 Configuration to Stimulate Remarkable ORR Performance. <i>Angewandte Chemie</i> , 2021 , 133, 183-187	3.6	24
281	Nd ₂ Fe ₁₄ B hard magnetic powders: Chemical synthesis and mechanism of coercivity. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 518, 167384	2.8	1
280	First-order-reversal-curve analysis of rare earth permanent magnet nanostructures: insight into the coercivity enhancement mechanism through regulating the Nd-rich phase. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1975-1982	6.8	1
279	Rare earth permanent magnetic nanostructures: chemical design and microstructure control to optimize magnetic properties. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 383-395	6.8	6
278	Spin quantum well-like behavior in single-crystal Gd _{0.75} La _{0.25} FeO ₃ . <i>Science China Materials</i> , 2021 , 64, 531-536	7.1	0
277	Turning on Zn 4s Electrons in a N-Zn-B Configuration to Stimulate Remarkable ORR Performance. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 181-185	16.4	75
276	Covalent 2D Cr ₂ Te ₃ ferromagnet. <i>Materials Research Letters</i> , 2021 , 9, 205-212	7.4	6
275	Self-assembled magnetic nanomaterials: Versatile theranostics nanoplatfoms for cancer. <i>Aggregate</i> , 2021 , 2, e18	22.9	6
274	Comprehensive Analyses of Aqueous Zn Metal Batteries: Characterization Methods, Simulations, and Theoretical Calculations. <i>Advanced Energy Materials</i> , 2021 , 11, 2003823	21.8	19
273	Micro/Nano NaV(PO) ₄ /N-Doped Carbon Composites with a Hierarchical Porous Structure for High-Rate Pouch-Type Sodium-Ion Full-Cell Performance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 8445-8454	9.5	14
272	Synergistic Modulation of Carbon-Based, Precious-Metal-Free Electrocatalysts for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 6989-7003	9.5	12
271	Recent Progress in Amorphous Carbon-Based Materials for Anodes of Sodium-Ion Batteries: Synthesis Strategies, Mechanisms, and Performance. <i>ChemSusChem</i> , 2021 , 14, 3693-3723	8.3	3
270	Photothermal therapy based on magnetic nanoparticles in cancer. <i>Journal of Applied Physics</i> , 2021 , 130, 070902	2.5	1
269	Fe ₃ O ₄ @silica nanoparticles for reliable identification and magnetic separation of <i>Listeria monocytogenes</i> based on molecular-scale physiochemical interactions. <i>Journal of Materials Science and Technology</i> , 2021 , 84, 116-123	9.1	3
268	Structure Engineering of 2D Materials toward Magnetism Modulation. <i>Small Structures</i> , 2021 , 2, 2100078	7.7	11
267	Ultrahigh rate and durable sodium-ion storage at a wide potential window via lanthanide doping and perovskite surface decoration on layered manganese oxides. <i>Energy Storage Materials</i> , 2021 , 42, 209-218	19.4	9
266	Hole-rich CoP nanosheets with an optimized d-band center for enhancing pH-universal hydrogen evolution electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8561-8567	13	26
265	Multifunctional V ₃ S ₄ -nanowire/graphene composites for high performance Li-S batteries. <i>Science China Materials</i> , 2020 , 63, 1910-1919	7.1	13

264	High-Fidelity Transfer of Chemical Vapor Deposition Grown 2D Transition Metal Dichalcogenides via Substrate Decoupling and Polymer/Small Molecule Composite. <i>ACS Nano</i> , 2020 , 14, 7370-7379	16.7	12
263	Remote Lightening and Ultrafast Transition: Intrinsic Modulation of Exciton Spatiotemporal Dynamics in Monolayer MoS. <i>ACS Nano</i> , 2020 , 14, 6897-6905	16.7	8
262	Growth of quasi-texture in nanostructured magnets with ultra-high coercivity. <i>Acta Materialia</i> , 2020 , 195, 282-291	8.4	4
261	Enhanced Polysulfide Regulation Porous Catalytic VO/VC Heterostructures Derived from Metal-Organic Frameworks toward High-Performance Li-S Batteries. <i>ACS Nano</i> , 2020 , 14, 8495-8507	16.7	91
260	Magnetic Structure and Metamagnetic Transitions in the van der Waals Antiferromagnet CrPS. <i>Advanced Materials</i> , 2020 , 32, e2001200	24	21
259	Anisotropic fluoride nanocrystals modulated by facet-specific passivation and their disordered surfaces. <i>National Science Review</i> , 2020 , 7, 841-848	10.8	15
258	Oxygen Reduction Reaction: Efficient Oxygen Reduction Catalysts of Porous Carbon Nanostructures Decorated with Transition Metal Species (Adv. Energy Mater. 11/2020). <i>Advanced Energy Materials</i> , 2020 , 10, 2070050	21.8	0
257	Two-Dimensional Magnetic Nanostructures. <i>Trends in Chemistry</i> , 2020 , 2, 163-173	14.8	17
256	Confined Polysulfide Shuttle by Nickel Disulfide Nanoparticles Encapsulated in Graphene Nanoshells Synthesized by Cooking Oil. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3541-3552	6.1	5
255	Multifunctional ultrasmall-MoS ₂ /graphene composites for high sulfur loading LiS batteries. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1483-1491	7.8	7
254	Molten-Salt-Assisted Chemical Vapor Deposition Process for Substitutional Doping of Monolayer MoS and Effectively Altering the Electronic Structure and Phononic Properties. <i>Advanced Science</i> , 2020 , 7, 2001080	13.6	15
253	Polyanion-type electrode materials for advanced sodium-ion batteries. <i>Materials Today Nano</i> , 2020 , 10, 100072	9.7	26
252	Heterostructures of 2D Molybdenum Dichalcogenide on 2D Nitrogen-Doped Carbon: Superior Potassium-Ion Storage and Insight into Potassium Storage Mechanism. <i>Advanced Materials</i> , 2020 , 32, e2000958	24	113
251	Selective Adsorption and Electrocatalysis of Polysulfides through Hexatomic Nickel Clusters Embedded in N-Doped Graphene toward High-Performance Li-S Batteries. <i>Research</i> , 2020 , 2020, 5714349	7.8	11
250	Catalytic Effects in the Cathode of Li-S Batteries: Accelerating polysulfides redox conversion. <i>EnergyChem</i> , 2020 , 2, 100036	36.9	16
249	Combinatory antitumor therapy by cascade targeting of a single drug. <i>Acta Pharmaceutica Sinica B</i> , 2020 , 10, 667-679	15.5	9
248	Lightweight and Flexible Cotton Aerogel Composites for Electromagnetic Absorption and Shielding Applications. <i>Advanced Electronic Materials</i> , 2020 , 6, 1900796	6.4	70
247	SnO ₂ nanoparticles anchored on carbon foam as a freestanding anode for high performance potassium-ion batteries. <i>Energy and Environmental Science</i> , 2020 , 13, 571-578	35.4	90

246	Controlled Growth and Thickness-Dependent Conduction-Type Transition of 2D Ferrimagnetic Cr S Semiconductors. <i>Advanced Materials</i> , 2020 , 32, e1905896	24	58
245	Effects of FeO nanoparticle fabrication and surface modification on <i>Chlorella</i> sp. harvesting efficiency. <i>Science of the Total Environment</i> , 2020 , 704, 135286	10.2	11
244	Transition metal chalcogenide anodes for sodium storage. <i>Materials Today</i> , 2020 , 35, 131-167	21.8	85
243	Rational design of MXene@TiO nanoarray enabling dual lithium polysulfide chemisorption towards high-performance lithium-sulfur batteries. <i>Nanoscale</i> , 2020 , 12, 16678-16684	7.7	33
242	Insight into the Property Enhancement Mechanism of Chemically Prepared Multi-Phase (Nd,Ce)FeB. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 46549-46556	9.5	1
241	Visualization nanozyme based on tumor microenvironment "unlocking" for intensive combination therapy of breast cancer. <i>Science Advances</i> , 2020 , 6,	14.3	50
240	Sodium-Ion Batteries: Ostwald Ripening Tailoring Hierarchically Porous Na ₃ V ₂ (PO ₄) ₂ O ₂ F Hollow Nanospheres for Superior High-Rate and Ultrastable Sodium Ion Storage (Small 48/2020). <i>Small</i> , 2020 , 16, 2070263	11	1
239	Magnetic Heterostructures: Interface Control to Optimize Magnetic Property and Multifunctionality. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 36811-36822	9.5	15
238	Single-site pyrrolic-nitrogen-doped sp ² -hybridized carbon materials and their pseudocapacitance. <i>Nature Communications</i> , 2020 , 11, 3884	17.4	51
237	Free-Standing, Foldable V ₂ O ₅ /Multichannel Carbon Nanofibers Electrode for Flexible Li-Ion Batteries with Ultralong Lifespan. <i>Small</i> , 2020 , 16, e2005302	11	20
236	Ostwald Ripening Tailoring Hierarchically Porous Na ₃ V ₂ (PO ₄) ₂ O ₂ F Hollow Nanospheres for Superior High-Rate and Ultrastable Sodium Ion Storage. <i>Small</i> , 2020 , 16, e2004925	11	14
235	Effective enhancement of piezomagnetic effect in core/shell structured cobalt/manganese-zinc nanocomposite. <i>Applied Materials Today</i> , 2020 , 21, 100834	6.6	1
234	Hollow C@TiO ₂ array nanospheres as efficient sulfur hosts for lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 5493-5497	5.8	2
233	Thin-carbon-layer-enveloped cobalt-iron oxide nanocages as a high-efficiency sulfur container for Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 20604-20611	13	16
232	Efficient Oxygen Reduction Catalysts of Porous Carbon Nanostructures Decorated with Transition Metal Species. <i>Advanced Energy Materials</i> , 2020 , 10, 1900375	21.8	97
231	Chemical Confinement and Utility of Lithium Polysulfides in Lithium Sulfur Batteries. <i>Small Methods</i> , 2020 , 4, 1900001	12.8	36
230	Chemical synthesis and coercivity enhancement of Nd ₂ Fe ₁₄ B nanostructures mediated by non-magnetic layer. <i>Nano Research</i> , 2020 , 13, 1141-1148	10	10
229	A general way to fabricate transition metal dichalcogenide/oxide-sandwiched MXene nanosheets as flexible film anodes for high-performance lithium storage. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 2577-2582	5.8	18

228	Enhanced self-bias magnetoelectric effect in locally heat-treated ME laminated composite. <i>Applied Physics Letters</i> , 2019 , 115, 112901	3.4	4
227	Near-infrared light and tumor microenvironment dual responsive size-switchable nanocapsules for multimodal tumor theranostics. <i>Nature Communications</i> , 2019 , 10, 4418	17.4	101
226	A general strategy for facile synthesis of ultrathin transition metal hydroxide nanosheets. <i>Nanoscale</i> , 2019 , 11, 5141-5144	7.7	9
225	General Approach to Produce Nanostructured Binary Transition Metal Selenides as High-Performance Sodium Ion Battery Anodes. <i>Small</i> , 2019 , 15, e1901995	11	29
224	Iron carbides: Magic materials with magnetic and catalytic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 489, 165432	2.8	7
223	Mesoporous N-doped graphene prepared by a soft-template method with high performance in Li-S batteries. <i>Nanoscale</i> , 2019 , 11, 7440-7446	7.7	29
222	3D Porous Cu Current Collectors Derived by Hydrogen Bubble Dynamic Template for Enhanced Li Metal Anode Performance. <i>Advanced Functional Materials</i> , 2019 , 29, 1808468	15.6	85
221	Nanoscale Coordination Polymers for Synergistic NO and Chemodynamic Therapy of Liver Cancer. <i>Nano Letters</i> , 2019 , 19, 2731-2738	11.5	110
220	Rechargeable metal batteries based on selenium cathodes: progress, challenges and perspectives. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11566-11583	13	40
219	Inherent multifunctional inorganic nanomaterials for imaging-guided cancer therapy. <i>Nano Today</i> , 2019 , 26, 108-122	17.9	49
218	Light-weight Gadolinium Hydroxide@polypyrrole Rare-Earth Nanocomposites with Tunable and Broadband Electromagnetic Wave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 12752-12760	9.5	42
217	Binary-Metal Selenides: General Approach to Produce Nanostructured Binary Transition Metal Selenides as High-Performance Sodium Ion Battery Anodes (Small 33/2019). <i>Small</i> , 2019 , 15, 1970176	11	10
216	Stable lithium metal anode enabled by lithium metal partial alloying. <i>Nano Energy</i> , 2019 , 65, 103989	17.1	43
215	Magnetic Reactive Oxygen Species Nanoreactor for Switchable Magnetic Resonance Imaging Guided Cancer Therapy Based on pH-Sensitive FeC@FeO Nanoparticles. <i>ACS Nano</i> , 2019 , 13, 10002-10014	16.7	82
214	Monodisperse Fe ₃ O ₄ spheres: Large-scale controlled synthesis in the absence of surfactants and chemical kinetic process. <i>Science China Materials</i> , 2019 , 62, 1488-1495	7.1	8
213	Efficient polysulfides anchoring for Li-S batteries: Combined physical adsorption and chemical conversion in V ₂ O ₅ hollow spheres wrapped in nitrogen-doped graphene network. <i>Chemical Engineering Journal</i> , 2019 , 378, 122189	14.7	41
212	Itinerant ferromagnetic half metallic cobalt/iron couples: promising bifunctional electrocatalysts for ORR and OER. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 27175-27185	13	63
211	Achieving High-Energy Full-Cell Lithium-Storage Performance by Coupling High-Capacity VO with Low-Potential NiP Anode. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19-25	9.5	20

210	Fabrication of hierarchical hollow Mn doped Ni(OH) ₂ nanostructures with enhanced catalytic activity towards electrochemical oxidation of methanol. <i>Nano Energy</i> , 2019 , 55, 37-41	17.1	52
209	Polar and conductive iron carbide@N-doped porous carbon nanosheets as a sulfur host for high performance lithium sulfur batteries. <i>Chemical Engineering Journal</i> , 2019 , 358, 962-968	14.7	67
208	Manipulation of Edge-Site Fe ₂ Moiety on Holey Fe, N Codoped Graphene to Promote the Cycle Stability and Rate Capacity of LiS Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1807485	15.6	76
207	A Versatile Route toward the Electromagnetic Functionalization of Metal-Organic Framework-Derived Three-Dimensional Nanoporous Carbon Composites. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8965-8975	9.5	174
206	An in situ method for synthesis of magnetic nanomaterials and efficient harvesting for oleaginous microalgae in algal culture. <i>Algal Research</i> , 2018 , 31, 173-182	5	13
205	Reversible Response of Luminescent Terbium(III)-Nanocellulose Hydrogels to Anions for Latent Fingerprint Detection and Encryption. <i>Angewandte Chemie</i> , 2018 , 130, 6902-6906	3.6	10
204	Reversible Response of Luminescent Terbium(III)-Nanocellulose Hydrogels to Anions for Latent Fingerprint Detection and Encryption. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6786-6790	16.4	81
203	Tuning crystal structure and magnetic property of dispersible FePt intermetallic nanoparticles. <i>Science China Materials</i> , 2018 , 61, 961-968	7.1	6
202	A covalent heterostructure of monodisperse Ni ₂ P immobilized on N, P-co-doped carbon nanosheets for high performance sodium/lithium storage. <i>Nano Energy</i> , 2018 , 48, 510-517	17.1	107
201	Magnetic Nanomaterials: Chemical Design, Synthesis, and Potential Applications. <i>Accounts of Chemical Research</i> , 2018 , 51, 404-413	24.3	172
200	Effects of gold core size on regulating the performance of doxorubicin-conjugated gold nanoparticles. <i>Nano Research</i> , 2018 , 11, 3396-3410	10	17
199	Tunable magnetic and microwave absorption properties of Sm _{1.5} Y _{0.5} Fe _{17-x} Si _x and their composites. <i>Acta Materialia</i> , 2018 , 145, 331-336	8.4	76
198	Multi-electron reaction materials for sodium-based batteries. <i>Materials Today</i> , 2018 , 21, 960-973	21.8	77
197	Spontaneous valley splitting and valley pseudospin field effect transistors of monolayer VAgPSe. <i>Nanoscale</i> , 2018 , 10, 13986-13993	7.7	22
196	AuCu tetrapod nanocrystals: highly efficient and metabolizable multimodality imaging-guided NIR-II photothermal agents. <i>Nanoscale Horizons</i> , 2018 , 3, 624-631	10.8	18
195	Hierarchically Porous Fe CoSe Binary-Metal Selenide for Extraordinary Rate Performance and Durable Anode of Sodium-Ion Batteries. <i>Advanced Materials</i> , 2018 , 30, e1802745	24	140
194	Bimetallic Nanoplates and Nanosheets 2018 , 293-313		
193	Nanoparticles: Galvanic Displacement Synthesis of Monodisperse Janus- and Satellite-Like Plasmonic/Magnetic Ag@Fe ₃ O ₄ Heterostructures with Reduced Cytotoxicity (Adv. Sci. 8/2018). <i>Advanced Science</i> , 2018 , 5, 1870049	13.6	0

192	Multifunctionality of Carbon-based Frameworks in Lithium Sulfur Batteries. <i>Electrochemical Energy Reviews</i> , 2018 , 1, 403-432	29.3	27
191	Smartly Designed Hierarchical MnO @Fe O /CNT Hybrid Films as Binder-free Anodes for Superior Lithium Storage. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3027-3031	4.5	11
190	Sulfur Hosts against the Shuttle Effect. <i>Small Methods</i> , 2018 , 2, 1700345	12.8	95
189	Study on the Performance of the Neutron Diffractometer (HIPD at CARR) by Monte Carlo Simulation and Convolution Methods. <i>IEEE Transactions on Nuclear Science</i> , 2018 , 65, 1324-1330	1.7	2
188	Cobalt selenide decorated carbon spheres for excellent cycling performance of sodium ion batteries. <i>Energy Storage Materials</i> , 2018 , 13, 19-28	19.4	110
187	Halide Ion-Mediated Synthesis of L1-FePt Nanoparticles with Tunable Magnetic Properties. <i>Nano Letters</i> , 2018 , 18, 7839-7844	11.5	34
186	N-Doped Carbon Nanosheet Networks with Favorable Active Sites Triggered by Metal Nanoparticles as Bifunctional Oxygen Electrocatalysts. <i>ACS Energy Letters</i> , 2018 , 3, 2914-2920	20.1	76
185	Ni-doped MnO ₂ /CNT nanoarchitectures as a cathode material for ultra-long life magnesium/lithium hybrid ion batteries. <i>Materials Today Energy</i> , 2018 , 10, 108-117	7	34
184	Ultrathin MXene Nanosheets Decorated with TiO Quantum Dots as an Efficient Sulfur Host toward Fast and Stable Li-S Batteries. <i>Small</i> , 2018 , 14, e1802443	11	89
183	Structural and magnetic properties of the R ₁₀ Fe _{90-x} Si _x alloys with R=Y, Ce, Pr, Nd, Sm, Gd, Tb, Dy, Ho, and Er. <i>Intermetallics</i> , 2018 , 99, 8-17	3.5	4
182	An electron deficiency strategy for enhancing hydrogen evolution on CoP nano-electrocatalysts. <i>Nano Energy</i> , 2018 , 50, 273-280	17.1	64
181	Chemical synthesis, structure and magnetic properties of Co nanorods decorated with Fe ₃ O ₄ nanoparticles. <i>Science China Materials</i> , 2018 , 61, 1614-1622	7.1	9
180	Galvanic Displacement Synthesis of Monodisperse Janus- and Satellite-Like Plasmonic-Magnetic Ag-Fe@FeO Heterostructures with Reduced Cytotoxicity. <i>Advanced Science</i> , 2018 , 5, 1800271	13.6	21
179	Highly Reversible Li-Se Batteries with Ultra-Lightweight N,S-Codoped Graphene Blocking Layer. <i>Nano-Micro Letters</i> , 2018 , 10, 59	19.5	26
178	Biocompatibility of iron carbide and detection of metals ions signaling proteomic analysis via HPLC/ESI-Orbitrap. <i>Nano Research</i> , 2017 , 10, 1912-1923	10	21
177	A simple route to improve rate performance of LiFePO ₄ /reduced graphene oxide composite cathode by adding Mg ²⁺ via mechanical mixing. <i>Journal of Power Sources</i> , 2017 , 347, 29-36	8.9	25
176	Reconstruction of the Wet Chemical Synthesis Process: The Case of Fe ₅ C ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 5154-5160	3.8	19
175	In situ FeN@N-doped porous carbon hybrids as superior catalysts for oxygen reduction reaction. <i>Nanoscale</i> , 2017 , 9, 8102-8106	7.7	65

174	Iron carbide nanoparticles: an innovative nanoplatform for biomedical applications. <i>Nanoscale Horizons</i> , 2017 , 2, 81-88	10.8	45
173	Integrated Design of MnO @Carbon Hollow Nanoboxes to Synergistically Encapsulate Polysulfides for Empowering Lithium Sulfur Batteries. <i>Small</i> , 2017 , 13, 1700087	11	148
172	Nanostructured cathode materials for lithium sulfur batteries: progress, challenges and perspectives. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3014-3038	13	147
171	Revisiting the origin of cycling enhanced capacity of Fe ₃ O ₄ based nanostructured electrode for lithium ion batteries. <i>Nano Energy</i> , 2017 , 41, 426-433	17.1	100
170	Intraorgan Targeting of Gold Conjugates for Precise Liver Cancer Treatment. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31458-31468	9.5	20
169	Monodisperse Au-FeC Janus Nanoparticles: An Attractive Multifunctional Material for Triple-Modal Imaging-Guided Tumor Photothermal Therapy. <i>ACS Nano</i> , 2017 , 11, 9239-9248	16.7	154
168	Long-chain poly-arginine functionalized porous Fe ₃ O ₄ microspheres as magnetic flocculant for efficient harvesting of oleaginous microalgae. <i>Algal Research</i> , 2017 , 27, 99-108	5	15
167	Construction of Synergistic Fe ₅ C ₂ /Co Heterostructured Nanoparticles as an Enhanced Low Temperature Fischer-Tropsch Synthesis Catalyst. <i>ACS Catalysis</i> , 2017 , 7, 5661-5667	13.1	49
166	Ultrathin Fe ₂ O ₃ nanoflakes using smart chemical stripping for high performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18737-18743	13	48
165	Noble metal-free catalysts for oxygen reduction reaction. <i>Science China Chemistry</i> , 2017 , 60, 1494-1507	7.9	35
164	Chemical Synthesis and Biomedical Applications of Iron Oxide Nanoparticles 2017 , 329-358		1
163	Efficient and Lightweight Electromagnetic Wave Absorber Derived from Metal Organic Framework-Encapsulated Cobalt Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42102-42110	9.5	172
162	N,B-codoped defect-rich graphitic carbon nanocages as high performance multifunctional electrocatalysts. <i>Nano Energy</i> , 2017 , 42, 334-340	17.1	170
161	Overview of Magnetic Nanomaterials 2017 , 1-28		1
160	Self-Assembly of Co Nanocrystals Self-Assembled in 2D and 3D Superlattices 2017 , 327-342		
159	Magnetic Nanoparticles for Bioseparation, Biosensing, and Regenerative Medicine 2017 , 343-364		
158	Magnetic Nanomaterials for Diagnostics 2017 , 365-392		1
157	Magnetic Nanomaterials for Data Storage 2017 , 439-472		2

156	Magnetic Nanomaterials for Electromagnetic Wave Absorption 2017 , 473-514		1
155	Magnetic Nanomaterials for Water Remediation 2017 , 515-546		2
154	Magnetism of Nanomaterials 2017 , 29-80		
153	Overview of Synthesis of Magnetic Nanomaterials 2017 , 81-120		
152	Synthesis of Soft Magnetic Nanomaterials and Alloys 2017 , 121-146		
151	Synthesis of Nanostructured Rare-Earth Permanent Magnets 2017 , 147-174		
150	Synthesis of Rare Earth Free Permanent Magnets 2017 , 175-190		
149	Synthesis and Properties of Magnetic Chalcogenide Nanostructures 2017 , 191-216		
148	Magnetic Multicomponent Heterostructured Nanocrystals 2017 , 217-290		
147	Wet-Phase Synthesis of Typical Magnetic Nanoparticles with Controlled Morphologies 2017 , 291-326		1
146	Magnetic Nanomaterials for Therapy 2017 , 393-438		
145	Editorial for rare metals, special issue on nanomaterials and rechargeable battery applications. <i>Rare Metals</i> , 2017 , 36, 305-306	5.5	2
144	Modulating the phases of iron carbide nanoparticles: from a perspective of interfering with the carbon penetration of Fe@FeO by selectively adsorbed halide ions. <i>Chemical Science</i> , 2017 , 8, 473-481	9.4	80
143	Large-Scale High-Yield Synthesis of PdCu@Au Tripods and the Quantification of their Luminescence Properties for Cancer Cell Imaging. <i>Journal of Nano Research</i> , 2017 , 49, 85-97	1	1
142	N-P-O co-doped high performance 3D graphene prepared through red phosphorous-assisted cutting-thin technique: A universal synthesis and multifunctional applications. <i>Nano Energy</i> , 2016 , 28, 346-355	17.1	181
141	3D Vertically Aligned and Interconnected Porous Carbon Nanosheets as Sulfur Immobilizers for High Performance Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1502518	21.8	115
140	Chemical synthesis of Nd ₂ Fe ₁₄ B/Fe ₃ B nanocomposites. <i>Nanoscale</i> , 2016 , 8, 12879-82	7.7	19
139	Multifunctional Nitrogen-Doped Loofah Sponge Carbon Blocking Layer for High-Performance Rechargeable Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15991-6001	9.5	52

138	Design of Magnetic Nanoparticles for MRI-Based Theranostics. <i>Springer Series in Biomaterials Science and Engineering</i> , 2016 , 3-37	0.6	1
137	Magnetic nanoparticles grafted with amino-riched dendrimer as magnetic flocculant for efficient harvesting of oleaginous microalgae. <i>Chemical Engineering Journal</i> , 2016 , 297, 304-314	14.7	76
136	Controlled synthesis of CoO/C and Co/C nanocomposites via a molten salt method and their lithium-storage properties. <i>New Journal of Chemistry</i> , 2016 , 40, 2722-2729	3.6	22
135	Multistimuli-Regulated Photochemothermal Cancer Therapy Remotely Controlled via Fe ₅ C ₂ Nanoparticles. <i>ACS Nano</i> , 2016 , 10, 159-69	16.7	114
134	Rational Design of Si/SiO ₂ @Hierarchical Porous Carbon Spheres as Efficient Polysulfide Reservoirs for High-Performance Li-S Battery. <i>Advanced Materials</i> , 2016 , 28, 3167-72	24	234
133	Porous Carbon Spheres: Rational Design of Si/SiO ₂ @Hierarchical Porous Carbon Spheres as Efficient Polysulfide Reservoirs for High-Performance Li-S Battery (Adv. Mater. 16/2016). <i>Advanced Materials</i> , 2016 , 28, 3166	24	7
132	Nanostructured Anode Materials for Lithium Ion Batteries: Progress, Challenge and Perspective. <i>Advanced Energy Materials</i> , 2016 , 6, 1600374	21.8	294
131	Iron cobalt/polypyrrole nanoplates with tunable broadband electromagnetic wave absorption. <i>RSC Advances</i> , 2016 , 6, 92152-92158	3.7	31
130	Magnetic Nanostructures for MRI-Based Cancer Detection 2016 , 327-359		
129	Molecular level distribution of black phosphorus quantum dots on nitrogen-doped graphene nanosheets for superior lithium storage. <i>Nano Energy</i> , 2016 , 30, 347-354	17.1	94
128	Boosting High-Rate Lithium Storage of V ₂ O ₅ Nanowires by Self-Assembly on N-Doped Graphene Nanosheets. <i>ChemElectroChem</i> , 2016 , 3, 1730-1736	4.3	26
127	Functional graphene-based magnetic nanocomposites as magnetic flocculant for efficient harvesting of oleaginous microalgae. <i>Algal Research</i> , 2016 , 19, 86-95	5	29
126	Graphene-Based Sulfur Composites for Energy Storage and Conversion in Li-S Batteries. <i>Chinese Journal of Chemistry</i> , 2016 , 34, 13-31	4.9	25
125	A conductive interwoven bamboo carbon fiber membrane for Li ₂ S batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9502-9509	13	111
124	One Dimensional Graphitic Carbon Nitrides as Effective Metal-Free Oxygen Reduction Catalysts. <i>Scientific Reports</i> , 2015 , 5, 12389	4.9	70
123	Control over large-volume changes of lithium battery anodes via active/inactive metal alloy embedded in porous carbon. <i>Nano Energy</i> , 2015 , 15, 755-765	17.1	46
122	Influence of gravity on transport and retention of representative engineered nanoparticles in quartz sand. <i>Journal of Contaminant Hydrology</i> , 2015 , 181, 153-60	3.9	17
121	A porous nitrogen and phosphorous dual doped graphene blocking layer for high performance Li ₂ S batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16670-16678	13	219

120	Nitrogen-Doped Carbon Nanotube Aerogels for High-Performance ORR Catalysts. <i>Small</i> , 2015 , 11, 3903-81	78
119	FeC nanoparticles: a reusable bactericidal material with photothermal effects under near-infrared irradiation. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3993-4000	7.3 31
118	Smart Hybridization of TiO ₂ Nanorods and Fe ₃ O ₄ Nanoparticles with Pristine Graphene Nanosheets: Hierarchically Nanoengineered Ternary Heterostructures for High-Rate Lithium Storage. <i>Advanced Functional Materials</i> , 2015 , 25, 3341-3350	15.6 164
117	Role of anions on structure and pseudocapacitive performance of metal double hydroxides decorated with nitrogen-doped graphene. <i>Science China Materials</i> , 2015 , 58, 114-125	7.1 22
116	Bifunctional catalysts of Co ₃ O ₄ @GCN tubular nanostructured (TNS) hybrids for oxygen and hydrogen evolution reactions. <i>Nano Research</i> , 2015 , 8, 3725-3736	10 86
115	Chlorine-doped carbonated cobalt hydroxide for supercapacitors with enormously high pseudocapacitive performance and energy density. <i>Nano Energy</i> , 2015 , 11, 267-276	17.1 89
114	Three-dimensional nitrogen-doped graphene nanoribbons aerogel as a highly efficient catalyst for the oxygen reduction reaction. <i>Small</i> , 2015 , 11, 1423-9	11 105
113	Microporous bamboo biochar for lithium-sulfur batteries. <i>Nano Research</i> , 2015 , 8, 129-139	10 238
112	Transition Metal (Fe, Co and Ni) Carbide and Nitride Nanomaterials: Structure, Chemical Synthesis and Applications. <i>ChemNanoMat</i> , 2015 , 1, 376-398	3.5 57
111	Electrophoretic lithium iron phosphate/reduced graphene oxide composite for lithium ion battery cathode application. <i>Journal of Power Sources</i> , 2015 , 284, 236-244	8.9 47
110	Facile synthesis of anisotropic single crystalline Fe ₂ O ₃ nanoplates and their facet-dependent catalytic performance. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 576-583	6.8 28
109	Cobalt/polypyrrole nanocomposites with controllable electromagnetic properties. <i>Nanoscale</i> , 2015 , 7, 7189-96	7.7 99
108	Graphene Polymer Nanocomposites for Fuel Cells 2015 , 91-130	3
107	Surface modification of magnetic nanoparticles in biomedicine. <i>Chinese Physics B</i> , 2015 , 24, 014704	1.2 14
106	Functional magnetic nanoparticles for non-viral gene delivery and MR imaging. <i>Pharmaceutical Research</i> , 2014 , 31, 1377-89	4.5 37
105	Multifunctional metal rattle-type nanocarriers for MRI-guided photothermal cancer therapy. <i>Molecular Pharmaceutics</i> , 2014 , 11, 3386-94	5.6 31
104	Pristine organo-imido polyoxometalates as an anode for lithium ion batteries. <i>RSC Advances</i> , 2014 , 4, 7374	3.7 36
103	Efficient bacterial capture with amino acid modified magnetic nanoparticles. <i>Water Research</i> , 2014 , 50, 124-34	12.5 100

102	Graphene and its composites with nanoparticles for electrochemical energy applications. <i>Nano Today</i> , 2014 , 9, 668-683	17.9	204
101	Controllable NdFeB/Fe nanocomposites: chemical synthesis and magnetic properties. <i>Nanoscale</i> , 2014 , 6, 10638-42	7.7	47
100	Synthesis and electrocatalytic properties of PtBi nanoplatelets and PdBi nanowires. <i>Nanoscale</i> , 2014 , 6, 1049-55	7.7	91
99	Layer-by-layer assembly of L10-FePt nanoparticles with significant perpendicular magnetic anisotropy. <i>CrystEngComm</i> , 2014 , 16, 9430-9433	3.3	5
98	Exchange-coupled fct-FePd/Fe nanocomposite magnets converted from Pd/Fe ₃ O ₄ core/shell nanoparticles. <i>Chemistry - A European Journal</i> , 2014 , 20, 15197-202	4.8	17
97	Facile synthesis and dehydrogenation properties of Fe ₃ B nanoalloys. <i>Materials Letters</i> , 2014 , 132, 4-7	3.3	10
96	Exchange-coupled nanocomposites: chemical synthesis, characterization and applications. <i>Chemical Society Reviews</i> , 2014 , 43, 8098-113	58.5	132
95	Multifunctional Fe ₅ C ₂ nanoparticles: a targeted theranostic platform for magnetic resonance imaging and photoacoustic tomography-guided photothermal therapy. <i>Advanced Materials</i> , 2014 , 26, 4114-20	24	209
94	Stimuli-responsive cancer therapy based on nanoparticles. <i>Chemical Communications</i> , 2014 , 50, 11614-305.8	30.8	105
93	Ultra-large-scale Synthesis of Fe ₃ O ₄ Nanoparticles and Their Application for Direct Coal Liquefaction. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 6718-6722	3.9	25
92	Nanomagnetism: Principles, nanostructures, and biomedical applications. <i>Chinese Physics B</i> , 2014 , 23, 057505	1.2	13
91	Photothermal Therapy: Multifunctional Fe ₅ C ₂ Nanoparticles: A Targeted Theranostic Platform for Magnetic Resonance Imaging and Photoacoustic Tomography-Guided Photothermal Therapy (Adv. Mater. 24/2014). <i>Advanced Materials</i> , 2014 , 26, 4187-4187	24	
90	Doped Graphene: Hybrid of Iron Nitride and Nitrogen-Doped Graphene Aerogel as Synergistic Catalyst for Oxygen Reduction Reaction (Adv. Funct. Mater. 20/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 2929-2929	15.6	7
89	Magnetic iron oxide nanoparticles: Synthesis and surface coating techniques for biomedical applications. <i>Chinese Physics B</i> , 2014 , 23, 037503	1.2	93
88	Hybrid of Iron Nitride and Nitrogen-Doped Graphene Aerogel as Synergistic Catalyst for Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2014 , 24, 2930-2937	15.6	348
87	Building nanocomposite magnets by coating a hard magnetic core with a soft magnetic shell. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2176-80	16.4	105
86	Building Nanocomposite Magnets by Coating a Hard Magnetic Core with a Soft Magnetic Shell. <i>Angewandte Chemie</i> , 2014 , 126, 2208-2212	3.6	10
85	Advances in nanomedicine for head and neck cancer. <i>Frontiers in Bioscience - Landmark</i> , 2014 , 19, 783-8	2.8	6

84	Electrode Nanostructures in Lithium-Based Batteries. <i>Advanced Science</i> , 2014 , 1, 1400012	13.6	123
83	Graphene-Based Nanomaterials for Energy Conversion and Storage. <i>World Scientific Series on Carbon Nanoscience</i> , 2014 , 51-82	0.5	2
82	Graphene-based nanocomposites for energy storage and conversion in lithium batteries, supercapacitors and fuel cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15-32	13	375
81	Fe ₅ C ₂ nanoparticles with high MRI contrast enhancement for tumor imaging. <i>Small</i> , 2014 , 10, 1245-9	11	49
80	Synthesis of phosphorus-doped graphene and its multifunctional applications for oxygen reduction reaction and lithium ion batteries. <i>Advanced Materials</i> , 2013 , 25, 4932-7	24	810
79	Controlled synthesis of FePt-Au hybrid nanoparticles triggered by reaction atmosphere and FePt seeds. <i>Nanoscale</i> , 2013 , 5, 9141-9	7.7	30
78	Facile self-assembly synthesis of titanate/Fe ₃ O ₄ nanocomposites for the efficient removal of Pb ²⁺ from aqueous systems. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 805-813	13	82
77	Single domain SmCo ₅ @Co exchange-coupled magnets prepared from core/shell Sm[Co(CN) ₆] ₂ ·4H ₂ O@GO particles: a novel chemical approach. <i>Scientific Reports</i> , 2013 , 3, 3542	4.9	52
76	Developing Fe ₃ O ₄ nanoparticles into an efficient multimodality imaging and therapeutic probe. <i>Nanoscale</i> , 2013 , 5, 11954-63	7.7	40
75	Chemical synthesis of magnetic nanocrystals: Recent progress. <i>Chinese Physics B</i> , 2013 , 22, 107503	1.2	11
74	Hybrid of Co ₃ Sn ₂ @Co nanoparticles and nitrogen-doped graphene as a lithium ion battery anode. <i>ACS Nano</i> , 2013 , 7, 10307-18	16.7	178
73	Shape-controlled synthesis and magnetic properties of FePt nanocubes. <i>Journal of the Korean Physical Society</i> , 2013 , 63, 302-305	0.6	5
72	Magnetic nanoparticle-based cancer nanodiagnostics. <i>Chinese Physics B</i> , 2013 , 22, 058702	1.2	11
71	Synthesis of amino-functionalized graphene as metal-free catalyst and exploration of the roles of various nitrogen states in oxygen reduction reaction. <i>Nano Energy</i> , 2013 , 2, 88-97	17.1	377
70	Single-crystalline Fe ₂ O ₃ nanostructures: controlled synthesis and high-index plane-enhanced photodegradation by visible light. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6888	13	82
69	Bactericidal mechanisms of Ag ⁰ /TNBs under both dark and light conditions. <i>Water Research</i> , 2013 , 47, 1837-47	12.5	59
68	Hollow iron oxide nanoparticles as multidrug resistant drug delivery and imaging vehicles. <i>Nano Research</i> , 2013 , 6, 1-9	10	93
67	Liquid-Phase Templateless Synthesis of Pt-on-Pd _{0.85} Bi _{0.15} Nanowires and PtPdBi Porous Nanoparticles with Superior Electrocatalytic Activity. <i>Chemistry of Materials</i> , 2013 , 25, 457-465	9.6	45

66	Magnetic nanoparticle-based cancer therapy. <i>Chinese Physics B</i> , 2013 , 22, 027506	1.2	30
65	Advance in the chemical synthesis and magnetic properties of nanostructured rare-earth-based permanent magnets. <i>Rare Metals</i> , 2013 , 32, 105-112	5.5	31
64	Nickel sulfide/nitrogen-doped graphene composites: phase-controlled synthesis and high performance anode materials for lithium ion batteries. <i>Small</i> , 2013 , 9, 1321-8	11	276
63	Multifunctional Co ₃ S ₄ /graphene composites for lithium ion batteries and oxygen reduction reaction. <i>Chemistry - A European Journal</i> , 2013 , 19, 5183-90	4.8	204
62	SnS ₂ /Graphene Composites: Excellent Anode Materials for Lithium Ion Battery and Photolysis Catalysts. <i>Science of Advanced Materials</i> , 2013 , 5, 1667-1675	2.3	32
61	Iron phthalocyanine and nitrogen-doped graphene composite as a novel non-precious catalyst for the oxygen reduction reaction. <i>Nanoscale</i> , 2012 , 4, 7326-9	7.7	171
60	FePt concave nanocubes with enhanced methanol oxidation activity. <i>CrystEngComm</i> , 2012 , 14, 7572	3.3	27
59	Fe ₅ C ₂ nanoparticles: a facile bromide-induced synthesis and as an active phase for Fischer-Tropsch synthesis. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15814-21	16.4	425
58	LiFePO ₄ nanocrystals: liquid-phase reduction synthesis and their electrochemical performance. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 3062-8	9.5	30
57	Removal of arsenate by cetyltrimethylammonium bromide modified magnetic nanoparticles. <i>Journal of Hazardous Materials</i> , 2012 , 227-228, 461-8	12.8	103
56	Synthesis and catalysis of oleic acid-coated Fe ₃ O ₄ nanocrystals for direct coal liquefaction. <i>Catalysis Communications</i> , 2012 , 26, 231-234	3.2	38
55	Hollow manganese phosphate nanoparticles as smart multifunctional probes for cancer cell targeted magnetic resonance imaging and drug delivery. <i>Nano Research</i> , 2012 , 5, 679-694	10	46
54	Synthesis of FePt Nanocubes Using Mo(Co) ₆ as a Reducing Agent and their Magnetic Properties. <i>Advanced Materials Research</i> , 2012 , 486, 412-416	0.5	1
53	Synthesis and Magnetic Studies of Core-Shell FePt@Fe ₃ O ₄ Nanowires and Nanoparticles. <i>Advanced Materials Research</i> , 2012 , 510, 623-627	0.5	2
52	Facile preparation of nitrogen-doped few-layer graphene via supercritical reaction. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2259-64	9.5	69
51	Functional MnO nanoclusters for efficient siRNA delivery. <i>Chemical Communications</i> , 2011 , 47, 12152-4	5.8	30
50	Fe ₃ O ₄ nanostructures: synthesis, growth mechanism, properties and applications. <i>Chemical Communications</i> , 2011 , 47, 5130-41	5.8	248
49	Liquid-phase exfoliation, functionalization and applications of graphene. <i>Nanoscale</i> , 2011 , 3, 2118-26	7.7	241

48	Enzyme-responsive multifunctional magnetic nanoparticles for tumor intracellular drug delivery and imaging. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1381-9	4.5	66
47	Polyaspartic acid coated manganese oxide nanoparticles for efficient liver MRI. <i>Nanoscale</i> , 2011 , 3, 4943-7	5.7	33
46	Controlled synthesis and multifunctional properties of FePt-Au heterostructures. <i>Nano Research</i> , 2011 , 4, 836-848	10	44
45	Multifunctional Nanoparticles for Multimodal Molecular Imaging 2011 , 529-540		
44	One-pot synthesis of hollow/porous Mn-based nanoparticles via a controlled ion transfer process. <i>Chemical Communications</i> , 2011 , 47, 9095-7	5.8	12
43	One-pot synthesis of Fe ₃ O ₄ nanoprisms with controlled electrochemical properties. <i>Chemical Communications</i> , 2010 , 46, 3920-2	5.8	130
42	Synthesis, functionalization, and biomedical applications of multifunctional magnetic nanoparticles. <i>Advanced Materials</i> , 2010 , 22, 2729-42	24	1129
41	Size-controlled synthesis and magnetic studies of monodisperse FePd nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 202-8	1.3	14
40	Solvothermal-assisted exfoliation process to produce graphene with high yield and high quality. <i>Nano Research</i> , 2009 , 2, 706-712	10	198
39	Oleylamine as Both Reducing Agent and Stabilizer in a Facile Synthesis of Magnetite Nanoparticles. <i>Chemistry of Materials</i> , 2009 , 21, 1778-1780	9.6	458
38	Octahedral Fe ₃ O ₄ nanoparticles and their assembled structures. <i>Chemical Communications</i> , 2009 , 4378-80	9.8	133
37	PbS Cubes with Pyramidal Pits: An Example of Etching Growth. <i>Crystal Growth and Design</i> , 2009 , 9, 3119-3123	3.3	30
36	Aqueous dispersions of TCNQ-anion-stabilized graphene sheets. <i>Chemical Communications</i> , 2008 , 6576-8	5.8	253
35	Atomic-Scale Structure of Nanocrystals by High-Energy X-ray Diffraction and Atomic Pair Distribution Function Analysis: Study of Fe _x Pd _{100-x} (x= 0, 26, 28, 48) Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 714-720	3.8	42
34	Controlled synthesis and chemical conversions of FeO nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6329-32	16.4	242
33	A general strategy for synthesizing FePt nanowires and nanorods. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6333-5	16.4	272
32	Controlled Synthesis and Chemical Conversions of FeO Nanoparticles. <i>Angewandte Chemie</i> , 2007 , 119, 6445-6448	3.6	62
31	A General Strategy for Synthesizing FePt Nanowires and Nanorods. <i>Angewandte Chemie</i> , 2007 , 119, 6449-6451	3.7	37

30	A Facile Synthesis of SmCo ₅ Magnets from Core/Shell Co/Sm ₂ O ₃ Nanoparticles. <i>Advanced Materials</i> , 2007 , 19, 3349-3352	24	143
29	Controlled PEGylation of Monodisperse Fe ₃ O ₄ Nanoparticles for Reduced Non-Specific Uptake by Macrophage Cells. <i>Advanced Materials</i> , 2007 , 19, 3163-3166	24	556
28	Magnetic core/shell Fe ₃ O ₄ /Au and Fe ₃ O ₄ /Au/Ag nanoparticles with tunable plasmonic properties. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8698-9	16.4	776
27	SmCo ₅ /Fe nanocomposites synthesized from reductive annealing of oxide nanoparticles. <i>Applied Physics Letters</i> , 2007 , 91, 153117	3.4	80
26	Ferromagnetic FePt nanowires: solvothermal reduction synthesis and characterization. <i>Small</i> , 2006 , 2, 235-8	11	38
25	Linking Hydrophilic Macromolecules to Monodisperse Magnetite (Fe ₃ O ₄) Nanoparticles via Trichloro-s-triazine. <i>Chemistry of Materials</i> , 2006 , 18, 5401-5403	9.6	171
24	Self-Assembly of Co Nanoplatelets into Spheres: Synthesis and Characterization. <i>Chemistry of Materials</i> , 2005 , 17, 3994-3996	9.6	115
23	Inorganic nanocrystal self-assembly via the inclusion interaction of beta-cyclodextrins: toward 3D spherical magnetite. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 4845-52	3.4	64
22	High-yield preparation of uniform cobalt hydroxide and oxide nanoplatelets and their characterization. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 19094-8	3.4	197
21	Size-controlled synthesis of nickel nanoparticles. <i>Applied Surface Science</i> , 2005 , 241, 218-222	6.7	156
20	Self-integration of aligned cobalt nanoparticles into silica nanotubes. <i>Applied Physics Letters</i> , 2005 , 87, 212503	3.4	5
19	Magnetic Properties and Fabrication of Monodisperse FePd Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 818, 206		
18	Towards 3-D Spherical Self-Assembly by Ternary Surfactant Combinations: The Case of Magnetite Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 1169-1173	2.3	37
17	Preparation and Characterization of Monodisperse FePd Nanoparticles. <i>Chemistry of Materials</i> , 2004 , 16, 5149-5152	9.6	74
16	Solvothermal reduction synthesis and magnetic properties of polymer protected iron and nickel nanocrystals. <i>Journal of Alloys and Compounds</i> , 2004 , 365, 112-116	5.7	52
15	Solvothermal reduction synthesis and characterization of superparamagnetic magnetite nanoparticles. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1983		176
14	Monodisperse nickel nanoparticles prepared from a monosurfactant system and their magnetic properties. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1510		150
13	Hydrothermal synthesis and crystal structure of a novel two-dimensional vanadium oxide complex with a 6,14-net sinusoidal ruffling anionic layer: [Ni(phen) ₂ V(4)O(11)] (phen = 1,10-phenanthroline). <i>Inorganic Chemistry</i> , 2002 , 41, 140-3	5.1	70

12	Structure model and synthesis of NdCl ₃ -FeCl ₃ -graphite intercalation compounds. <i>Science in China Series B: Chemistry</i> , 2000 , 43, 547-554		4
11	NIR-II photothermal therapy for effective tumor eradication enhanced by heterogeneous nanorods with dual catalytic activities. <i>Nano Research</i> ,1	10	2
10	Synergistic Polarization Loss of MoS ₂ -Based Multiphase Solid Solution for Electromagnetic Wave Absorption. <i>Advanced Functional Materials</i> ,2112294	15.6	12
9	A pH-responsive biomimetic drug delivery nanosystem for targeted chemo-photothermal therapy of tumors. <i>Nano Research</i> ,1	10	3
8	Synthesis of Iron-Carbide Nanoparticles: Identification of the Active Phase and Mechanism of Fe-Based Fischer-Tropsch Synthesis. <i>CCS Chemistry</i> ,2712-2724	7.2	18
7	A facile solution phase synthesis of directly ordering monodisperse FePt nanoparticles. <i>Nano Research</i> ,1	10	6
6	Activating interfacial S sites of MoS ₂ boosts hydrogen evolution electrocatalysis. <i>Nano Research</i> ,1	10	21
5	A durable P2-type layered oxide cathode with superior low-temperature performance for sodium-ion batteries. <i>Science China Materials</i> ,1	7.1	3
4	Temperature and Tumor Microenvironment Dual Responsive Mesoporous Magnetic Nanospheres for Magnetothermal Effect-Induced Cancer Theranostics. <i>CCS Chemistry</i> ,1-17	7.2	
3	Micro/nanorobots as Active Delivery Systems for Biomedicine: From Self-propulsion to Controllable Navigation. <i>Advanced Therapeutics</i> ,2100228	4.9	0
2	Anchoring a Xenogeneic Antigen-Guided Immune Activation System to Tumor Cell Membrane for Solid Tumor Treatment. <i>Advanced Functional Materials</i> ,2111499	15.6	1
1	Unfolding the structural features of NASICON materials for sodium-ion full cells		1