Qianwang Chen

List of Publications by Year
in descending order

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362 papers	22,582 citations	7069 78 h-index	11899 134 g-index
370 all docs	370 docs citations	370 times ranked	24674 citing authors

#	Article	IF	Citations
1	High lithium anodic performance of highly nitrogen-doped porous carbon prepared from a metal-organic framework. Nature Communications, 2014, 5, 5261.	5.8	1,257
2	Doped graphene for metal-free catalysis. Chemical Society Reviews, 2014, 43, 2841-2857.	18.7	710
3	Ruthenium-cobalt nanoalloys encapsulated in nitrogen-doped graphene as active electrocatalysts for producing hydrogen in alkaline media. Nature Communications, 2017, 8, 14969.	5.8	656
4	Non-precious alloy encapsulated in nitrogen-doped graphene layers derived from MOFs as an active and durable hydrogen evolution reaction catalyst. Energy and Environmental Science, 2015, 8, 3563-3571.	15.6	498
5	Magnetic-Field-Induced Growth of Single-Crystalline Fe3O4 Nanowires. Advanced Materials, 2004, 16, 137-140.	11.1	476
6	Co₃O₄ Nanocages for High-Performance Anode Material in Lithium-Ion Batteries. Journal of Physical Chemistry C, 2012, 116, 7227-7235.	1.5	409
7	Metal-free catalytic reduction of 4-nitrophenol to 4-aminophenol by N-doped graphene. Energy and Environmental Science, 2013, 6, 3260.	15.6	390
8	Hollow Porous SiO2 Nanocubes Towards High-performance Anodes for Lithium-ion Batteries. Scientific Reports, 2013, 3, 1568.	1.6	344
9	Tuning Electronic Structures of Nonprecious Ternary Alloys Encapsulated in Graphene Layers for Optimizing Overall Water Splitting Activity. ACS Catalysis, 2017, 7, 469-479.	5.5	342
10	CuO/Cu2O composite hollow polyhedrons fabricated from metalâ€“organic framework templates for lithium-ion battery anodes with a long cycling life. Nanoscale, 2013, 5, 4186.	2.8	326
11	Mn-Doped RuO₂ Nanocrystals as Highly Active Electrocatalysts for Enhanced Oxygen Evolution in Acidic Media. ACS Catalysis, 2020, 10, 1152-1160.	5.5	302
12	Elemental two-dimensional nanosheets beyond graphene. Chemical Society Reviews, 2017, 46, 2127-2157.	18.7	285
13	CoMn2O4 Spinel Hierarchical Microspheres Assembled with Porous Nanosheets as Stable Anodes for Lithium-ion Batteries. Scientific Reports, 2012, 2, 986.	1.6	282
14	A Mesoporous Nanoenzyme Derived from Metalâ€“Organic Frameworks with Endogenous Oxygen Generation to Alleviate Tumor Hypoxia for Significantly Enhanced Photodynamic Therapy. Advanced Materials, 2019, 31, e1901893.	11.1	282
15	Hollow/porous nanostructures derived from nanoscale metalâ€“organic frameworks towards high performance anodes for lithium-ion batteries. Nanoscale, 2014, 6, 1236-1257.	2.8	281
16	Controllable synthesis of dual-MOFs nanostructures for pH-responsive artemisinin delivery, magnetic resonance and optical dual-model imaging-guided chemo/photothermal combinational cancer therapy. Biomaterials, 2016, 100, 27-40.	5.7	245
17	Oâ€‚Nâ€Atomsâ€Coordinated Mn Cofactors within a Graphene Framework as Bioinspired Oxygen Reduction Reaction Electrocatalysts. Advanced Materials, 2018, 30, e1801732.	11.1	239
18	Turning main-group element magnesium into a highly active electrocatalyst for oxygen reduction reaction. Nature Communications, 2020, 11, 938.	5.8	238

#	Article	IF	Citations
19	MOF-derived ultrafine MnO nanocrystals embedded in a porous carbon matrix as high-performance anodes for lithium-ion batteries. Nanoscale, 2015, 7, 9637-9645.	2.8	226
20	Fabrication Based on the Kirkendall Effect of Co₃O₄ Porous Nanocages with Extraordinarily High Capacity for Lithium Storage. Chemistry - A European Journal, 2012, 18, 8971-8977.	1.7	225
21	Pt-like electrocatalytic behavior of Ruâ€“MoO₂ nanocomposites for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 5475-5485.	5.2	213
22	Tuning the Activity of Carbon for Electrocatalytic Hydrogen Evolution via an Iridiumâ€Cobalt Alloy Core Encapsulated in Nitrogenâ€Doped Carbon Cages. Advanced Materials, 2018, 30, 1705324.	11.1	211
23	Carbon-based hybrid nanogels: a synergistic nanoplatform for combined biosensing, bioimaging, and responsive drug delivery. Chemical Society Reviews, 2018, 47, 4198-4232.	18.7	201
24	Magnetically guided delivery of DHA and Fe ions for enhanced cancer therapy based on pH-responsive degradation of DHA-loaded Fe 3 O 4 @C@MIL-100(Fe) nanoparticles. Biomaterials, 2016, 107, 88-101.	5.7	194
25	One-step hydrothermal process to prepare highly crystalline Fe3O4 nanoparticles with improved magnetic properties. Materials Research Bulletin, 2003, 38, 1113-1118.	2.7	189
26	Nano electrochemical reactors of Fe₂O₃nanoparticles embedded in shells of nitrogen-doped hollow carbon spheres as high-performance anodes for lithium-ion batteries. Nanoscale, 2015, 7, 3410-3417.	2.8	188
27	Sodiumâ€Ion Batteries: Improving the Rate Capability of 3D Interconnected Carbon Nanofibers Thin Film by Boron, Nitrogen Dualâ€Doping. Advanced Science, 2017, 4, 1600468.	5.6	164
28	Designing highly efficient dual-metal single-atom electrocatalysts for the oxygen reduction reaction inspired by biological enzyme systems. Journal of Materials Chemistry A, 2018, 6, 13254-13262.	5.2	156
29	Selfâ€Assembled Singleâ€Site Nanozyme for Tumorâ€Specific Amplified Cascade Enzymatic Therapy. Angewandte Chemie - International Edition, 2021, 60, 3001-3007.	7.2	156
30	Co₃ZnC/Co nano heterojunctions encapsulated in N-doped graphene layers derived from PBAs as highly efficient bi-functional OER and ORR electrocatalysts. Journal of Materials Chemistry A, 2016, 4, 9204-9212.	5.2	154
31	Ultrasmall Ru/Cuâ€doped RuO₂ Complex Embedded in Amorphous Carbon Skeleton as Highly Active Bifunctional Electrocatalysts for Overall Water Splitting. Small, 2018, 14, e1803009.	5.2	151
32	Synthesis and One-Dimensional Self-Assembly of Acicular Nickel Nanocrystallites under Magnetic Fields. Journal of Physical Chemistry B, 2004, 108, 3996-3999.	1.2	148
33	Metalâ€“organic framework-derived porous Mn_{1.8}Fe_{1.2}O₄nanocubes with an interconnected channel structure as high-performance anodes for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 2815-2824.	5.2	148
34	Facile Fabrication of Porous Ni_xCo_{3â€“x}O₄ Nanosheets with Enhanced Electrochemical Performance As Anode Materials for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 9256-9264.	4.0	141
35	Magnetic field-induced growth and self-assembly of cobalt nanocrystallites. Journal of Materials Chemistry, 2003, 13, 1803.	6.7	140
36	Biocompatible Chitosanâ€“Carbon Dot Hybrid Nanogels for NIR-Imaging-Guided Synergistic Photothermalâ€“Chemo Therapy. ACS Applied Materials & Interfaces, 2017, 9, 18639-18649.	4.0	137

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37	Synthesis of carbon-encapsulated superparamagnetic colloidal nanoparticles with magnetic-responsive photonic crystal property. Dalton Transactions, 2010, 39, 9565.	1.6	135
38	Photonic anti-counterfeiting using structural colors derived from magnetic-responsive photonic crystals with double photonic bandgap heterostructures. Journal of Materials Chemistry, 2012, 22, 11048.	6.7	134
39	Magnetically responsive photonic watermarks on banknotes. Journal of Materials Chemistry C, 2014, 2, 3695.	2.7	134
40	Highly Ambient-Stable 1T-MoS₂ and 1T-WS₂ by Hydrothermal Synthesis under High Magnetic Fields. ACS Nano, 2019, 13, 1694-1702.	7.3	131
41	Magnetic-induced graphene quantum dots for imaging-guided photothermal therapy in the second near-infrared window. Biomaterials, 2020, 232, 119700.	5.7	128
42	Synthesis and assembly of nanomaterials under magnetic fields. Nanoscale, 2014, 6, 14064-14105.	2.8	126
43	Enhanced Activity for Hydrogen Evolution Reaction over CoFe Catalysts by Alloying with Small Amount of Pt. ACS Applied Materials & Interfaces, 2017, 9, 3596-3601.	4.0	126
44	Oxygen/Fluorine Dualâ€Doped Porous Carbon Nanopolyhedra Enabled Ultrafast and Highly Stable Potassium Storage. Advanced Functional Materials, 2019, 29, 1906126.	7.8	123
45	Surface polarization enhancement: high catalytic performance of Cu/CuO_x/C nanocomposites derived from Cu-BTC for CO oxidation. Journal of Materials Chemistry A, 2016, 4, 8412-8420.	5.2	119
46	MOF-derived RuO₂/Co₃O₄heterojunctions as highly efficient bifunctional electrocatalysts for HER and OER in alkaline solutions. RSC Advances, 2017, 7, 3686-3694.	1.7	116
47	Magnetic field-assisted hydrothermal growth of chain-like nanostructure of magnetite. Chemical Physics Letters, 2005, 401, 374-379.	1.2	115
48	In Situ Oneâ€Pot Synthesis of MOFâ€“Polydopamine Hybrid Nanogels with Enhanced Photothermal Effect for Targeted Cancer Therapy. Advanced Science, 2018, 5, 1800287.	5.6	115
49	Multifunctional Fe3O4@C@Ag hybrid nanoparticles as dual modal imaging probes and near-infrared light-responsive drug delivery platform. Biomaterials, 2013, 34, 571-581.	5.7	114
50	A Novel Approach for the in Situ Synthesis of Ptâ€“Pd Nanoalloys Supported on Fe₃O₄@C Coreâ€“Shell Nanoparticles with Enhanced Catalytic Activity for Reduction Reactions. ACS Applied Materials & Interfaces, 2014, 6, 2671-2678.	4.0	113
51	Insights into the reduction of 4-nitrophenol to 4-aminophenol on catalysts. Chemical Physics Letters, 2017, 684, 148-152.	1.2	112
52	Fundamental magnetic parameters from pure synthetic greigite (Fe₃S₄). Journal of Geophysical Research, 2008, 113, .	3.3	110
53	Nitrogen/oxygen co-doped mesoporous carbon octahedrons for high-performance potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 12317-12324.	5.2	110
54	Conversion of Chicken Feather Waste to N-Doped Carbon Nanotubes for the Catalytic Reduction of 4-Nitrophenol. Environmental Science & Technology, 2014, 48, 10191-10197.	4.6	109

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55	Conversion of 5-hydroxymethylfurfural into 5-ethoxymethylfurfural and ethyl levulinate catalyzed by MOF-based heteropolyacid materials. Green Chemistry, 2016, 18, 5884-5889.	4.6	107
56	Coreâ€“Shell Metal-Organic Frameworks as Fe²⁺ Suppliers for Fe²⁺-Mediated Cancer Therapy under Multimodality Imaging. Chemistry of Materials, 2017, 29, 3477-3489.	3.2	107
57	Magnetic-Field-Induced Formation of One-Dimensional Magnetite Nanochains. Langmuir, 2009, 25, 7135-7139.	1.6	105
58	Active and Durable Hydrogen Evolution Reaction Catalyst Derived from Pd-Doped Metalâ€“Organic Frameworks. ACS Applied Materials & Interfaces, 2016, 8, 13378-13383.	4.0	103
59	A Flexible Sulfurâ€Enriched Nitrogen Doped Multichannel Hollow Carbon Nanofibers Film for High Performance Sodium Storage. Small, 2018, 14, e1802218.	5.2	103
60	Synthesis of MgFe2O4 nanocrystallites under mild conditions. Materials Chemistry and Physics, 2006, 97, 394-397.	2.0	102
61	Invisible photonic printing: computer designing graphics, UV printing and shown by a magnetic field. Scientific Reports, 2013, 3, 1484.	1.6	100
62	Synthesis and Assembly of Magnetite Nanocubes into Flux-Closure Rings. Journal of Physical Chemistry C, 2007, 111, 6998-7003.	1.5	98
63	A MOF-derived self-template strategy toward cobalt phosphide electrodes with ultralong cycle life and high capacity. Journal of Materials Chemistry A, 2017, 5, 10321-10327.	5.2	98
64	Freeâ€Standing Holey Ni(OH)₂ Nanosheets with Enhanced Activity for Water Oxidation. Small, 2017, 13, 1700334.	5.2	97
65	Synthesis of carbon nanotubes by reduction of carbon dioxide with metallic lithium. Carbon, 2003, 41, 3063-3067.	5.4	96
66	Fe2O3 Nanoparticles Wrapped in Multi-walled Carbon Nanotubes With Enhanced Lithium Storage Capability. Scientific Reports, 2013, 3, 3392.	1.6	96
67	Size- and Solvent-Dependent Magnetically Responsive Optical Diffraction of Carbon-Encapsulated Superparamagnetic Colloidal Photonic Crystals. Journal of Physical Chemistry C, 2011, 115, 11427-11434.	1.5	94
68	MOF-derived self-assembled ZnO/Co₃O₄ nanocomposite clusters as high-performance anodes for lithium-ion batteries. Dalton Transactions, 2015, 44, 16946-16952.	1.6	86
69	Pdâ€“Fe3O4@C hybrid nanoparticles: preparation, characterization, and their high catalytic activity toward Suzuki coupling reactions. Journal of Materials Chemistry, 2012, 22, 22750.	6.7	85
70	Manganese hexacyanoferrate/MnO2 composite nanostructures as a cathode material for supercapacitors. Journal of Materials Chemistry A, 2013, 1, 2621.	5.2	85
71	Biodegradable Core-shell Dual-Metal-Organic-Frameworks Nanotheranostic Agent for Multiple Imaging Guided Combination Cancer Therapy. Theranostics, 2017, 7, 4605-4617.	4.6	85
72	Biomass waste inspired nitrogen-doped porous carbon materials as high-performance anode for lithium-ion batteries. Journal of Alloys and Compounds, 2017, 693, 1197-1204.	2.8	84

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73	Preparation of ultrafine powders of TiO2 by hydrothermal H2O2 oxidation starting from metallic Ti. Journal of Materials Chemistry, 1993, 3, 203.	6.7	83
74	Diamond Formation by Reduction of Carbon Dioxide at Low Temperatures. Journal of the American Chemical Society, 2003, 125, 9302-9303.	6.6	83
75	Preparation of porous MoO₂@C nano-octahedrons from a polyoxometalate-based metalâ€“organic framework for highly reversible lithium storage. Journal of Materials Chemistry A, 2016, 4, 12434-12441.	5.2	83
76	Preparation and characterization of single-crystalline bismuth nanowires by a low-temperature solvothermal process. Chemical Physics Letters, 2003, 367, 141-144.	1.2	82
77	Synthesis and magnetic properties of Zn1â^'xMnxFe2O4 nanoparticles. Physica B: Condensed Matter, 2004, 349, 124-128.	1.3	81
78	Growth of magnetite nanorods along its easy-magnetization axis of [110]. Journal of Crystal Growth, 2004, 263, 616-619.	0.7	79
79	Improved performance of graphene doped with pyridinic N for Li-ion battery: a density functional theory model. Physical Chemistry Chemical Physics, 2013, 15, 12982.	1.3	79
80	Ultrafast Potassium Storage in F-Induced Ultra-High Edge-Defective Carbon Nanosheets. ACS Nano, 2021, 15, 10217-10227.	7.3	79
81	Synthesis of FeCo nanocrystals encapsulated in nitrogen-doped graphene layers for use as highly efficient catalysts for reduction reactions. Nanoscale, 2015, 7, 450-454.	2.8	78
82	Novel Metal Polyphenol Framework for MR Imaging-Guided Photothermal Therapy. ACS Applied Materials & Interfaces, 2018, 10, 3295-3304.	4.0	78
83	Foamlike Porous Spinel Mn_xCo_{3â^'x}O₄ Material Derived from Mn₃[Co(CN)₆]₂â‹…nH₂O Nanocubes: A Highly Efficient Anode Material for Lithium Batteries. Chemistry - A European Journal, 2012, 18, 15049-15056.	1.7	77
84	Fe₃O₄@carbon@zeolitic imidazolate framework-8 nanoparticles as multifunctional pH-responsive drug delivery vehicles for tumor therapy in vivo. Journal of Materials Chemistry B, 2015, 3, 9033-9042.	2.9	77
85	Dual-Layer-Structured Nickel Hexacyanoferrate/MnO₂ Composite as a High-Energy Supercapacitive Material Based on the Complementarity and Interlayer Concentration Enhancement Effect. ACS Applied Materials & Interfaces, 2014, 6, 6196-6201.	4.0	76
86	Synthesis and Catalytic Properties of Nickelâ^'Silica Composite Hollow Nanospheres. Journal of Physical Chemistry B, 2004, 108, 6311-6314.	1.2	74
87	Artificial Heterogeneous Interphase Layer with Boosted Ion Affinity and Diffusion for Na/Kâ€Metal Batteries. Advanced Materials, 2022, 34, e2109439.	11.1	73
88	MAGNETIC NANOCHAINS: A REVIEW. Nano, 2011, 06, 1-17.	0.5	72
89	Soft magnetic nanoparticles of BaFe12O19fabricated under mild conditions. Journal of Physics Condensed Matter, 2003, 15, L335-L339.	0.7	71
90	Formation of one-dimensional nickel wires by chemical reduction of nickel ions under magnetic fields. Chemical Communications, 2007, , 2844.	2.2	71

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91	Carboxyl-functionalized nanoparticles with magnetic core and mesopore carbon shell as adsorbents for the removal of heavy metal ions from aqueous solution. Dalton Transactions, 2011, 40, 559-563.	1.6	71
92	Tuning the pâ€Orbital Electron Structure of sâ€Block Metal Ca Enables a Highâ€Performance Electrocatalyst for Oxygen Reduction. Advanced Materials, 2021, 33, e2107103.	11.1	71
93	Synthesis and Magnetic Properties of Single-Crystals of MnFe2O4 Nanorods. European Journal of Inorganic Chemistry, 2004, 2004, 1165-1168.	1.0	69
94	Synthesis of carbon-coated, porous and water-dispersive Fe3O4 nanocapsules and their excellent performance for heavy metal removal applications. Dalton Transactions, 2012, 41, 5854.	1.6	68
95	Probing the influence of different oxygenated groups on graphene oxide's catalytic performance. Journal of Materials Chemistry A, 2014, 2, 610-613.	5.2	68
96	Fe nanoparticle-functionalized multi-walled carbon nanotubes: one-pot synthesis and their applications in magnetic removal of heavy metal ions. Journal of Materials Chemistry, 2012, 22, 9230.	6.7	67
97	Visually readable and highly stable self-display photonic humidity sensor. Journal of Materials Chemistry, 2012, 22, 1021-1027.	6.7	66
98	Synthesis of sulfonic acid-functionalized Fe₃O₄@C nanoparticles as magnetically recyclable solid acid catalysts for acetalization reaction. Dalton Transactions, 2014, 43, 1220-1227.	1.6	65
99	Novel Mn₃[Co(CN)₆]₂@SiO₂@Ag Coreâ€“Shell Nanocube: Enhanced Twoâ€Photon Fluorescence and Magnetic Resonance Dualâ€Modal Imagingâ€Guided Photothermal and Chemoâ€therapy. Small, 2015, 11, 5956-5967.	5.2	65
100	Electroless Deposition Metals on Poly(dimethylsiloxane) with Strong Adhesion As Flexible and Stretchable Conductive Materials. ACS Applied Materials & Interfaces, 2018, 10, 2075-2082.	4.0	65
101	Engineering the coordination environment enables molybdenum single-atom catalyst for efficient oxygen reduction reaction. Journal of Catalysis, 2020, 389, 150-156.	3.1	64
102	Prussian Blue Analogue Mn3[Co(CN)6]2Â·nH2O porous nanocubes: large-scale synthesis and their CO2 storage properties. Dalton Transactions, 2011, 40, 5557.	1.6	62
103	Facile synthesis of porous Mn2O3 hierarchical microspheres for lithium battery anode with improved lithium storage properties. Journal of Alloys and Compounds, 2013, 576, 86-92.	2.8	61
104	Selfâ€Additive Lowâ€Dimensional Ruddlesdenâ€“Popper Perovskite by the Incorporation of Glycine Hydrochloride for Highâ€Performance and Stable Solar Cells. Advanced Functional Materials, 2020, 30, 2000034.	7.8	61
105	Preparation of carbon spheres consisting of amorphous carbon cores and graphene shells. Carbon, 2004, 42, 229-232.	5.4	60
106	Magnetic properties improvement in Fe3O4 nanoparticles grown under magnetic fields. Journal of Crystal Growth, 2004, 266, 500-504.	0.7	60
107	The creation of extra storage capacity in nitrogen-doped porous carbon as high-stable potassium-ion battery anodes. Carbon, 2021, 178, 256-264.	5.4	60
108	High catalytic activity for CO oxidation of Co₃O₄nanoparticles in SiO₂nanocapsules. Journal of Materials Chemistry A, 2013, 1, 637-643.	5.2	59

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109	Room-temperature synthesis of Prussian blue analogue Co3[Co(CN)6]2 porous nanostructures and their CO2 storage properties. RSC Advances, 2011, 1, 1574.	1.7	58
110	Hydrothermal Synthesis and Characterization of Bi2Fe4O9Nanoparticles. Chemistry Letters, 2004, 33, 502-503.	0.7	57
111	Synthesis of carbonâ€“Fe3O4 coaxial nanofibres by pyrolysis of ferrocene in supercritical carbon dioxide. Carbon, 2007, 45, 727-731.	5.4	57
112	Multifunctional mesoporous nanoparticles as pH-responsive Fe2+ reservoirs and artemisinin vehicles for synergistic inhibition of tumor growth. Biomaterials, 2014, 35, 6498-6507.	5.7	57
113	Morphology-Controllable Synthesis of Metal Organic Framework Cd₃[Co(CN)₆]₂Â·nH₂O Nanostructures for Hydrogen Storage Applications. Crystal Growth and Design, 2012, 12, 2257-2264.	1.4	56
114	Study of Self-Assembly of Octahedral Magnetite under an External Magnetic Field. Journal of Physical Chemistry C, 2009, 113, 17301-17305.	1.5	54
115	Enhanced Oxygen Reduction Reactions in Fuel Cells on Hâ€Decorated and Bâ€Substituted Graphene. ChemPhysChem, 2013, 14, 514-519.	1.0	54
116	Experimental and theoretical investigations of nitro-group doped porous carbon as a high performance lithium-ion battery anode. Journal of Materials Chemistry A, 2015, 3, 18657-18666.	5.2	54
117	Enhanced CO oxidation on CeO₂/Co₃O₄nanojunctions derived from annealing of metal organic frameworks. Nanoscale, 2016, 8, 19761-19768.	2.8	54
118	Dual Graphitiâ€N Doping in a Sixâ€Membered Câ€Ring of Grapheneâ€Analogous Particles Enables an Efficient Electrocatalyst for the Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2019, 58, 16973-16980.	7.2	54
119	Preparation of carbon micro-spheres by hydrothermal treatment of methylcellulose sol. Materials Letters, 2005, 59, 3738-3741.	1.3	52
120	pH-Responsive Iron Manganese Silicate Nanoparticles as T₁-T₂* Dual-Modal Imaging Probes for Tumor Diagnosis. ACS Applied Materials & Interfaces, 2015, 7, 5373-5383.	4.0	52
121	Synthesis and luminescence properties of hand-like Î±-Bi2O3 microcrystals. Materials Letters, 2008, 62, 1165-1168.	1.3	50
122	Magnetically separable Prussian blue analogue Mn3[Co(CN)6]2Â·nH2O porous nanocubes as excellent absorbents for heavy metal ions. Nanoscale, 2011, 3, 4270.	2.8	50
123	Tuning the nitrogen-doping configuration in carbon materialsviasulfur doping for ultrastable potassium ion storage. Journal of Materials Chemistry A, 2021, 9, 16150-16159.	5.2	50
124	Hydrothermal epitaxy of highly oriented TiO2 thin films on silicon. Applied Physics Letters, 1995, 66, 1608-1610.	1.5	48
125	A way to obtain visible blue light emission in porous silicon. Applied Physics Letters, 2003, 82, 1018-1020.	1.5	48
126	The formation of legume-like structures of Co nanoparticles through a polymer-assisted magnetic-field-induced assembly. Nanotechnology, 2007, 18, 345301.	1.3	48

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127	Nanoporous PtFe Nanoparticles Supported on N-Doped Porous Carbon Sheets Derived from Metalâ€“Organic Frameworks as Highly Efficient and Durable Oxygen Reduction Reaction Catalysts. ACS Applied Materials & Interfaces, 2017, 9, 32106-32113.	4.0	48
128	Magnetically controllable colloidal photonic crystals: unique features and intriguing applications. Journal of Materials Chemistry C, 2013, 1, 6013.	2.7	47
129	Incorporation of Cuâ€“N_x cofactors into graphene encapsulated Co as biomimetic electrocatalysts for efficient oxygen reduction. Nanoscale, 2018, 10, 21076-21086.	2.8	47
130	Energetic Metalâ€“Organic Frameworks Derived Highly Nitrogenâ€Doped Porous Carbon for Superior Potassium Storage. Small, 2020, 16, e2002771.	5.2	47
131	Constructing Graphiticâ€Nitrogenâ€Bonded Pentagons in Interlayerâ€Expanded Graphene Matrix toward Carbonâ€Based Electrocatalysts for Acidic Oxygen Reduction Reaction. Advanced Materials, 2021, 33, e2103133.	11.1	47
132	Formation of Nickel Dendritic Crystals with Peculiar Orientations by Magnetic-Induced Aggregation and Limited Diffusion. Crystal Growth and Design, 2008, 8, 2464-2468.	1.4	46
133	Low-Cost, Acid/Alkaline-Resistant, and Fluorine-Free Superhydrophobic Fabric Coating from Onionlike Carbon Microspheres Converted from Waste Polyethylene Terephthalate. Environmental Science & Technology, 2014, 48, 2928-2933.	4.6	46
134	Photo-Enhanced Singlet Oxygen Generation of Prussian Blue-Based Nanocatalyst for Augmented Photodynamic Therapy. IScience, 2018, 9, 14-26.	1.9	46
135	Metallic 1T phase MoS₂ nanosheets decorated hollow cobalt sulfide polyhedra for high-performance lithium storage. Journal of Materials Chemistry A, 2018, 6, 12613-12622.	5.2	46
136	Improving electrocatalytic activity of iridium for hydrogen evolution at high current densities above 1000â€‰mAâ€‰cmâ^'2. Applied Catalysis B: Environmental, 2019, 258, 117965.	10.8	46
137	Synthesis of Necklace-like Magnetic Nanorings. Langmuir, 2010, 26, 5957-5962.	1.6	45
138	Lowâ€temperature magnetic properties of greigite (Fe₃S₄). Geochemistry, Geophysics, Geosystems, 2009, 10, .	1.0	44
139	Converting Poly(ethylene terephthalate) Waste into Carbon Microspheres in a Supercritical CO2System. Environmental Science & Technology, 2011, 45, 534-539.	4.6	44
140	Redox Catalysis Promoted Activation of Sulfur Redox Chemistry for Energy-Dense Flexible Solid-State Znâ€“S Battery. ACS Nano, 2022, 16, 7344-7351.	7.3	44
141	Modification of Porous Nâ€Doped Carbon with Sulfonic Acid toward Highâ€ICE/Capacity Anode Material for Potassiumâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	7.8	44
142	Synthesis of octahedral magnetite microcrystals with high crystallinity and low coercive field. Journal of Crystal Growth, 2009, 311, 394-398.	0.7	43
143	Mn(<scp>ii</scp>) mediated degradation of artemisinin based on Fe₃O₄@MnSiO₃-FA nanospheres for cancer therapy in vivo. Nanoscale, 2015, 7, 12542-12551.	2.8	43
144	Atomically Dispersed Mn within Carbon Frameworks as High-Performance Oxygen Reduction Electrocatalysts for Zincâ€“Air Battery. ACS Sustainable Chemistry and Engineering, 2020, 8, 427-434.	3.2	43

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145	Synthesis of Novel Two-Phase Co@SiO₂ Nanorattles with High Catalytic Activity. Inorganic Chemistry, 2014, 53, 9073-9079.	1.9	41
146	Controlled synthesis of Co₃O₄nanocubes under external magnetic fields and their magnetic properties. Dalton Transactions, 2011, 40, 597-601.	1.6	40
147	CoMn₂O₄hierarchical microspheres with high catalytic activity towards p-nitrophenol reduction. Dalton Transactions, 2014, 43, 13865.	1.6	40
148	Increase of Co 3d projected electronic density of states in AgCoO2 enabled an efficient electrocatalyst toward oxygen evolution reaction. Nano Energy, 2019, 57, 753-760.	8.2	40
149	Disappearing of the Verwey transition in magnetite nanoparticles synthesized under a magnetic field: implications for the origin of charge ordering. Chemical Physics Letters, 2004, 390, 55-58.	1.2	39
150	Improved surface-enhanced Raman scattering on micro-scale Au hollow spheres: Synthesis and application in detecting tetracycline. Analyst, The, 2011, 136, 2527.	1.7	39
151	High and stable catalytic activity of porous Ag/Co 3 O 4 nanocomposites derived from MOFs for CO oxidation. Applied Catalysis A: General, 2014, 487, 189-194.	2.2	39
152	Carboxyl and negative charge-functionalized superparamagnetic nanochains with amorphous carbon shell and magnetic core: synthesis and their application in removal of heavy metal ions. Nanoscale, 2011, 3, 4600.	2.8	38
153	Preparation of Î³-Fe2O3@C@MoO3 core/shell nanocomposites as magnetically recyclable catalysts for efficient and selective epoxidation of olefins. Dalton Transactions, 2014, 43, 6041.	1.6	38
154	Preparation of TiO2 powders with different morphologies by an oxidation-hydrothermal combination method. Materials Letters, 1995, 22, 77-80.	1.3	37
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