Jian-Qiang Wang

List of Publications by Year
in descending order

226	14,137	26630	22832
papers	citations	56 h-index	112 g-index

239	239	239	18151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding the High Activity of Feâ€“Nâ€“C Electrocatalysts in Oxygen Reduction: Fe/Fe₃C Nanoparticles Boost the Activity of Feâ€“N_x. Journal of the American Chemical Society, 2016, 138, 3570-3578.	13.7	1,549
2	Ordered Mesoporous Black TiO₂ as Highly Efficient Hydrogen Evolution Photocatalyst. Journal of the American Chemical Society, 2014, 136, 9280-9283.	13.7	878
3	Chirality-specific growth of single-walled carbon nanotubes on solid alloy catalysts. Nature, 2014, 510, 522-524.	27.8	677
4	A red anatase TiO2 photocatalyst for solar energy conversion. Energy and Environmental Science, 2012, 5, 9603.	30.8	379
5	Overcoming the crystallization and designability issues in the ultrastable zirconium phosphonate framework system. Nature Communications, 2017, 8, 15369.	12.8	366
6	A Promoted Charge Separation/Transfer System from Cu Single Atoms and C₃N₄ Layers for Efficient Photocatalysis. Advanced Materials, 2020, 32, e2003082.	21.0	333
7	Highly Sensitive and Selective Uranium Detection in Natural Water Systems Using a Luminescent Mesoporous Metalâ€“Organic Framework Equipped with Abundant Lewis Basic Sites: A Combined Batch, X-ray Absorption Spectroscopy, and First Principles Simulation Investigation. Environmental Science & Technology, 2017, 51, 3911-3921.	10.0	331
8	A Breakthrough Efficiency of 19.9% Obtained in Inverted Perovskite Solar Cells by Using an Efficient Trap State Passivator Cu(thiourea)I. Journal of the American Chemical Society, 2017, 139, 7504-7512.	13.7	330
9	3D N-doped ordered mesoporous carbon supported single-atom Fe-N-C catalysts with superior performance for oxygen reduction reaction and zinc-air battery. Applied Catalysis B: Environmental, 2021, 280, 119411.	20.2	324
10	Flexible and Wireâ€Shaped Microâ€Supercapacitor Based on Ni(OH)₂â€Nanowire and Ordered Mesoporous Carbon Electrodes. Advanced Functional Materials, 2014, 24, 3405-3412.	14.9	304
11	Ultrafast and Efficient Extraction of Uranium from Seawater Using an Amidoxime Appended Metalâ€“Organic Framework. ACS Applied Materials & Interfaces, 2017, 9, 32446-32451.	8.0	260
12	An Unusual Strong Visibleâ€Light Absorption Band in Red Anatase TiO₂ Photocatalyst Induced by Atomic Hydrogenâ€Occupied Oxygen Vacancies. Advanced Materials, 2018, 30, 1704479.	21.0	231
13	Enhanced Photocatalytic Activity and Electron Transfer Mechanisms of Graphene/TiO₂ with Exposed {001} Facets. Journal of Physical Chemistry C, 2011, 115, 23718-23725.	3.1	223
14	Aggregation-Free Gold Nanoparticles in Ordered Mesoporous Carbons: Toward Highly Active and Stable Heterogeneous Catalysts. Journal of the American Chemical Society, 2013, 135, 11849-11860.	13.7	203
15	Visible Light Driven Photoelectrochemical Water Oxidation by Zn- and Ti-Doped Hematite Nanostructures. ACS Catalysis, 2014, 4, 2006-2015.	11.2	173
16	Fabrication of a phosphorylated graphene oxideâ€“chitosan composite for highly effective and selective capture of U(<scp>vi</scp>). Environmental Science: Nano, 2017, 4, 1876-1886.	4.3	161
17	Operando X-ray spectroscopic tracking of self-reconstruction for anchored nanoparticles as high-performance electrocatalysts towards oxygen evolution. Energy and Environmental Science, 2018, 11, 2945-2953.	30.8	157
18	[Co@Ge₁₀]^{3â^’}: An Intermetalloid Cluster with Archimedean Pentagonal Prismatic Structure. Angewandte Chemie - International Edition, 2009, 48, 1998-2002.	13.8	153

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19	Optimising surface d charge of AuPd nanoalloy catalysts for enhanced catalytic activity. Nature Communications, 2019, 10, 1428.	12.8	149
20	Screening highly active perovskites for hydrogen-evolving reaction via unifying ionic electronegativity descriptor. Nature Communications, 2019, 10, 3755.	12.8	139
21	In Situ Growth of TiO₂ in Interlayers of Expanded Graphite for the Fabrication of TiO₂â€“Graphene with Enhanced Photocatalytic Activity. Chemistry - A European Journal, 2011, 17, 8379-8387.	3.3	135
22	Two-dimensional gold nanostructures with high activity for selective oxidation of carbonâ€“hydrogen bonds. Nature Communications, 2015, 6, 6957.	12.8	133
23	Stepâ€byâ€Step Synthesis of the Endohedral Stannaspherene [Ir@Sn₁₂]^{3â^'} via the Capped Cluster Anion [Sn₉Ir(cod)]^{3â^'}. Chemistry - A European Journal, 2010, 16, 1793-1798.	3.3	129
24	Formation of Ir?Rh and Ir?Mo Bonds by Using an Ancillaryortho-Carborane-1,2-diselenolato Ligand. Angewandte Chemie - International Edition, 2005, 44, 259-262.	13.8	124
25	Hierarchical Mn₂O₃ Hollow Microspheres as Anode Material of Lithium Ion Battery and Its Conversion Reaction Mechanism Investigated by XANES. ACS Applied Materials & Interfaces, 2015, 7, 8488-8494.	8.0	119
26	Ion-exchanged route synthesis of Fe2Nâ€“N-doped graphitic nanocarbons composite as advanced oxygen reduction electrocatalyst. Chemical Communications, 2013, 49, 3022.	4.1	116
27	Enhancing Bifunctional Electrocatalytic Activities via Metal d-Band Center Lift Induced by Oxygen Vacancy on the Subsurface of Perovskites. ACS Catalysis, 2020, 10, 4664-4670.	11.2	116
28	Simple and High Efficiency Phosphorescence Organic Light-Emitting Diodes with Codeposited Copper(I) Emitter. Chemistry of Materials, 2014, 26, 2368-2373.	6.7	108
29	A 3,2-Hydroxypyridinone-based Decorporation Agent that Removes Uranium from Bones In Vivo. Nature Communications, 2019, 10, 2570.	12.8	107
30	Composites of small Ag clusters confined in the channels of well-ordered mesoporous anatase TiO2 and their excellent solar-light-driven photocatalytic performance. Nano Research, 2014, 7, 731-742.	10.4	102
31	The high-temperature corrosion of Hastelloy N alloy (UNS N10003) in molten fluoride salts analysed by STXM, XAS, XRD, SEM, EPMA, TEM/EDS. Corrosion Science, 2016, 106, 249-259.	6.6	101
32	Selenium Sequestration in a Cationic Layered Rare Earth Hydroxide: A Combined Batch Experiments and EXAFS Investigation. Environmental Science & Technology, 2017, 51, 8606-8615.	10.0	98
33	Ultrastable Thorium Metalâ€“Organic Frameworks for Efficient Iodine Adsorption. Inorganic Chemistry, 2020, 59, 4435-4442.	4.0	98
34	Thin carbon layer coated Ti³⁺-TiO₂nanocrystallites for visible-light driven photocatalysis. Nanoscale, 2015, 7, 5035-5045.	5.6	97
35	Searching General Sufficientâ€andâ€Necessary Conditions for Ultrafast Hydrogenâ€Evolving Electrocatalysis. Advanced Functional Materials, 2019, 29, 1900704.	14.9	94
36	Solâ€“gel preparation of efficient red phosphor Mg2TiO4:Mn4+ and XAFS investigation on the substitution of Mn4+ for Ti4+. Journal of Materials Chemistry C, 2013, 1, 4327.	5.5	90

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37	Research Progress on the Indirect Hydrogenation of Carbon Dioxide to Methanol. ChemSusChem, 2016, 9, 322-332.	6.8	90
38	Effects of alloying elements on the corrosion behavior of Ni-based alloys in molten NaCl-KCl-MgCl2 salt at different temperatures. Corrosion Science, 2018, 143, 187-199.	6.6	90
39	Ratiometric Monitoring of Thorium Contamination in Natural Water Using a Dual-Emission Luminescent Europium Organic Framework. Environmental Science & Technology, 2019, 53, 332-341.	10.0	90
40	N-doping activated defective Co3O4 as an efficient catalyst for low-temperature methane oxidation. Applied Catalysis B: Environmental, 2020, 269, 118757.	20.2	85
41	Controlled synthesis of thorny anatase TiO₂tubes for construction of Agâ€“AgBr/TiO₂composites as highly efficient simulated solar-light photocatalyst. Journal of Materials Chemistry, 2012, 22, 2081-2088.	6.7	84
42	Smallâ€sized and Contacting Ptâ€“WC Nanostructures on Graphene as Highly Efficient Anode Catalysts for Direct Methanol Fuel Cells. Chemistry - A European Journal, 2012, 18, 7443-7451.	3.3	83
43	Characterization of typical 3D pore networks of Jiulaodong formation shale using nano-transmission X-ray microscopy. Fuel, 2016, 170, 84-91.	6.4	82
44	Single-crystal TiO2 nanorods assembly for efficient and stable cocatalyst-free photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2018, 229, 1-7.	20.2	82
45	Modulated synthesis and isoreticular expansion of Th-MOFs with record high pore volume and surface area for iodine adsorption. Chemical Communications, 2020, 56, 6715-6718.	4.1	81
46	Direct Methylation of Amines with Carbon Dioxide and Molecular Hydrogen using Supported Gold Catalysts. ChemSusChem, 2015, 8, 3489-3496.	6.8	80
47	Bandgap tuning of two-dimensional materials by sphere diameter engineering. Nature Materials, 2020, 19, 528-533.	27.5	80
48	Graphite Intercalation Compounds (GICs): A New Type of Promising Anode Material for Lithiumâ€ion Batteries. Advanced Energy Materials, 2014, 4, 1300600.	19.5	78
49	Porphyrinâ€“carborane organometallic assemblies based on 1, 2-dicarba-closo-dodecaborane (12) ligands. Chemical Communications, 2006, , 162-164.	4.1	71
50	Catalytic conversion of biomass-derived levulinic acid into Î³-valerolactone using iridium nanoparticles supported on carbon nanotubes. Chinese Journal of Catalysis, 2013, 34, 993-1001.	14.0	71
51	Synthesis of hierarchical TiO2 nanoflower with anataseâ€“rutile heterojunction as Ag support for efficient visible-light photocatalytic activity. Dalton Transactions, 2013, 42, 11242.	3.3	68
52	Nitrogen-doped graphene supported Pd@PdO core-shell clusters for C-C coupling reactions. Nano Research, 2014, 7, 1280-1290.	10.4	66
53	Activation of Aryl Chlorides in Water under Phase-Transfer Agent-Free and Ligand-Free Suzuki Coupling by Heterogeneous Palladium Supported on Hybrid Mesoporous Carbon. ACS Catalysis, 2015, 5, 575-586.	11.2	65
54	Boosting the Iodine Adsorption and Radioresistance of Thâ€UiOâ€66 MOFs via Aromatic Substitution. Chemistry - A European Journal, 2021, 27, 1286-1291.	3.3	65

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55	Enhancing Thermocatalytic Activities by Upshifting the dâ€Band Center of Exsolved Coâ€Niâ€Fe Ternary Alloy Nanoparticles for the Dry Reforming of Methane. Angewandte Chemie - International Edition, 2021, 60, 15912-15919.	13.8	65
56	A novel phase-mixed MgTiO3â€“MgTi2O5 heterogeneous nanorod for high efficiency photocatalytic hydrogen production. Chemical Communications, 2013, 49, 8510.	4.1	62
57	A strategy for mass production of self-assembled nitrogen-doped graphene as catalytic materials. Journal of Materials Chemistry A, 2013, 1, 1401-1406.	10.3	57
58	Determination and evaluation of the thermophysical properties of an alkali carbonate eutectic molten salt. Faraday Discussions, 2016, 190, 327-338.	3.2	57
59	Synthesis and Structure of Heterometallic Clusters (IrCo2, IrFe) Containing Bridging 1,2-Dicarba-closo-dodecaborane-1,2-dichalocogenolato Ligands. Organometallics, 2005, 24, 826-830.	2.3	56
60	Titaniaâ€Supported Iridium Subnanoclusters as an Efficient Heterogeneous Catalyst for Direct Synthesis of Quinolines from Nitroarenes and Aliphatic Alcohols. Angewandte Chemie - International Edition, 2011, 50, 10216-10220.	13.8	56
61	Visible colorimetric dosimetry of UV and ionizing radiations by a dual-module photochromic nanocluster. Nature Communications, 2021, 12, 2798.	12.8	55
62	Inâ€…Situ Fabrication of Ag/Ag₃PO₄/Graphene Triple Heterostructure Visibleâ€Light Photocatalyst through Grapheneâ€Assisted Reduction Strategy. ChemCatChem, 2013, 5, 1359-1367.	3.7	54
63	Uptake Mechanisms of Eu(III) on Hydroxyapatite: A Potential Permeable Reactive Barrier Backfill Material for Trapping Trivalent Minor Actinides. Environmental Science & Technology, 2016, 50, 3852-3859.	10.0	53
64	Synthesis and Characterization of Heterometallic Clusters (Ir2Rh, Ir2W, Rh3) Containing 1,2-Dicarba-closo-dodecaborane(12)-1,2-dithiolate Chelate Ligands, [(B10H10)C2S2]2â^'. Chemistry - A European Journal, 2005, 11, 7342-7350.	3.3	51
65	Active Coordinatively Unsaturated Manganese Monoxide-Containing Mesoporous Carbon Catalyst in Wet Peroxide Oxidation. ACS Catalysis, 2012, 2, 2577-2586.	11.2	51
66	Route to multicluster containing ancillary ortho-carborane-1,2-dithiolato ligands. Chemical Communications, 2005, , 4738.	4.1	50
67	Insight into the Role of Metalâ€“Oxygen Bond and O 2p Hole in High-Voltage Cathode LiNi_xMn_{2â€“x}O₄. Journal of Physical Chemistry C, 2017, 121, 16079-16087.	3.1	50
68	Bio-inspired Construction of Advanced Fuel Cell Cathode with Pt Anchored in Ordered Hybrid Polymer Matrix. Scientific Reports, 2015, 5, 16100.	3.3	48
69	Highly Active Heterogeneous 3 nm Gold Nanoparticles on Mesoporous Carbon as Catalysts for Low-Temperature Selective Oxidation and Reduction in Water. ACS Catalysis, 2015, 5, 797-802.	11.2	48
70	5f Covalency Synergistically Boosting Oxygen Evolution of UCoO₄ Catalyst. Journal of the American Chemical Society, 2022, 144, 416-423.	13.7	48
71	[Ag(Sn₉ï£¿Sn₉)]^{5â^'}: A Homoleptic Silver Complex of A Dimeric Sn₉ Zintl Anion. Angewandte Chemie - International Edition, 2010, 49, 6592-6595.	13.8	47
72	Lattice Defect-Enhanced Hydrogen Production in Nanostructured Hematite-Based Photoelectrochemical Device. ACS Applied Materials & Interfaces, 2012, 4, 2295-2302.	8.0	47

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73	3D Nitrogen, Sulfur-Codoped Carbon Nanomaterial-Supported Cobalt Oxides with Polyhedron-Like Particles Grafted onto Graphene Layers as Highly Active Bicatalysts for Oxygen-Evolving Reactions. ACS Applied Materials & Interfaces, 2018, 10, 7180-7190.	8.0	45
74	Formation of Cup-Shaped Metallic Clusters via Bâˆ'H Activation at the B(3)/B(6) Site of anortho-Carborane-1,2-dichalcogenolato Ligand. Organometallics, 2006, 25, 3508-3514.	2.3	44
75	Uniform Doping of Titanium in Hematite Nanorods for Efficient Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2015, 7, 14072-14078.	8.0	43
76	Extended X-ray Absorption Fine Structure and Density Functional Theory Studies on the Complexation Mechanism of Amidoximate Ligand to Uranyl Carbonate. Industrial & Engineering Chemistry Research, 2016, 55, 4224-4230.	3.7	43
77	Geometric Occupancy and Oxidation State Requirements of Cations in Cobalt Oxides for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2019, 11, 12525-12534.	8.0	43
78	Threeâ€Ðimensional Fe₂N@C Microspheres Grown on Reduced Graphite Oxide for Lithiumâ€Ion Batteries and the Li Storage Mechanism. Chemistry - A European Journal, 2015, 21, 3249-3256.	3.3	42
79	Effect of oxygen on the corrosion of SiC in LiFâ€"NaFâ€"KF molten salt. Corrosion Science, 2016, 103, 165-172.	6.6	42
80	On the possibility of severe corrosion of a Ni-W-Cr alloy in fluoride molten salts at high temperature. Corrosion Science, 2019, 149, 218-225.	6.6	42
81	Influence of graphite-alloy interactions on corrosion of Ni-Mo-Cr alloy in molten fluorides. Journal of Nuclear Materials, 2018, 503, 116-123.	2.7	39
82	Assessment of effects of Mg treatment on corrosivity of molten NaCl-KCl-MgCl2 salt with Raman and Infrared spectra. Corrosion Science, 2020, 164, 108350.	6.6	39
83	Characterization of organic matter pores in typical marine and terrestrial shales, China. Journal of Natural Gas Science and Engineering, 2018, 49, 56-65.	4.4	38
84	Molten salt-assisted synthesis of bulk CoOOH as a water oxidation catalyst. Journal of Energy Chemistry, 2020, 42, 5-10.	12.9	38
85	Syntheses and ¹H NMR Spectra of Substituted Zinti Ions [Ge₉R_n]^{(4â€"n)â€"}: Crystal Structures of [Ge₉R]^{3â€"} (R = 2,4,6â€Me₃C₆H₂,) Tj ETQq1 1 0.784314 rgBT /Over Chemistry, 2011, 2011, 4262-4269.	2.4	38
86	Preparation, Structure, and Ethylene (Co)Polymerization Behavior of Groupâ€...IV Metal Complexes with an [OSSO]â€Carborane Ligand. Chemistry - A European Journal, 2011, 17, 8576-8583.	3.3	37
87	Crystallinity Engineering of Hematite Nanorods for Highâ€Efficiency Photoelectrochemical Water Splitting. Advanced Science, 2015, 2, 1500005.	11.2	35
88	A Mixedâ€Valent Uranium Phosphonate Framework Containing U IV , U V , and U VI. Chemistry - A European Journal, 2016, 22, 11954-11957.	3.3	35
89	Molten-salt synthesis of porous La0.6Sr0.4Co0.2Fe0.8O2.9 perovskite as an efficient electrocatalyst for oxygen evolution. Nano Research, 2018, 11, 4796-4805.	10.4	35
90	ZnO-dotted porous ZnS cluster microspheres for high efficient, Pt-free photocatalytic hydrogen evolution. Scientific Reports, 2015, 5, 8858.	3.3	34

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91	Effects of Cr3+ on the corrosion of SiC in LiFâ€“NaFâ€“KF molten salt. Corrosion Science, 2017, 114, 96-101.	6.6	34
92	The influence of triplet energy levels of bridging ligands on energy transfer processes in Ir(iii)/Eu(iii) dyads. Dalton Transactions, 2011, 40, 11410.	3.3	33
93	Syngas production by high temperature steam/CO₂ coelectrolysis using solid oxide electrolysis cells. Faraday Discussions, 2015, 182, 341-351.	3.2	33
94	Template-Free Synthesis of Hematite Photoanodes with Nanostructured ATO Conductive Underlayer for PEC Water Splitting. ACS Applied Materials & Interfaces, 2014, 6, 36-40.	8.0	31
95	A Route to Multi-Clusters Containing Half-Sandwich Rh and Ir Complexes of Chelating 1,2-Dicarba-closo-dodecaborane(12)-1,2-dithiolate Ligands. European Journal of Inorganic Chemistry, 2006, 2006, 3274-3282.	2.0	30
96	High-T_cferromagnetism in a Co-doped ZnO system dominated by the formation of a zinc-blende type Co-rich ZnCoO phase. Chemical Communications, 2012, 48, 91-93.	4.1	30
97	Formation of Subnanometer Zr-WOx Clusters within Mesoporous Wâ€“Zr Mixed Oxides as Strong Solid Acid Catalysts for Friedelâ€“Crafts Alkylation. Journal of Physical Chemistry C, 2014, 118, 6283-6290.	3.1	30
98	Efficient orange-red phosphorescent organic light-emitting diodes using an in situ synthesized copper(<scp>i</scp>) complex as the emitter. Journal of Materials Chemistry C, 2014, 2, 6333-6341.	5.5	30
99	Understanding the synergetic interaction within Î±-MoC/Î²-Mo2C heterostructured electrocatalyst. Journal of Energy Chemistry, 2019, 35, 66-70.	12.9	30
100	Syntheses, Characterization, and Ethylene Polymerization of Titanium Complexes with Double-Duty Tridentate [ONN] Ligands. Organometallics, 2012, 31, 3241-3247.	2.3	29
101	In Situ/Operando Capturing Unusual Ir⁶⁺ Facilitating Ultrafast Electrocatalytic Water Oxidation. Advanced Functional Materials, 2021, 31, 2104746.	14.9	29
102	A New Concept of Radiation Detection Based on a Fluorochromic and Piezochromic Nanocluster. Journal of the American Chemical Society, 2022, 144, 3449-3457.	13.7	29
103	In-situ generation of Li2FeSiO4/C nanocomposite as cathode material for lithium ion battery. Electrochimica Acta, 2014, 133, 564-569.	5.2	28
104	The 3dâ€“5d orbital repulsion of transition metals in oxyhydroxide catalysts facilitates water oxidation. Journal of Materials Chemistry A, 2019, 7, 14455-14461.	10.3	28
105	Shape-Dependent Activity of Ceria for Hydrogen Electro-Oxidation in Reduced-Temperature Solid Oxide Fuel Cells. Small, 2015, 11, 5581-5588.	10.0	27
106	Regulation of Magnetic Behavior and Electronic Configuration in Mn-Doped ZnO Nanorods through Surface Modifications. Chemistry of Materials, 2012, 24, 1676-1681.	6.7	26
107	Unexpected structural complexity of thorium coordination polymers and polyoxo cluster built from simple formate ligands. Inorganic Chemistry Frontiers, 2020, 7, 260-269.	6.0	26
108	Porous coreâ€“shell CoMn2O4 microspheres as anode of lithium ion battery with excellent performances and their conversion reaction mechanism investigated by XAFS. Journal of Energy Chemistry, 2018, 27, 1637-1643.	12.9	25

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109	Multiscale characterization of three-dimensional pore structures in a shale gas reservoir: A case study of the Longmaxi shale in Sichuan basin, China. Journal of Natural Gas Science and Engineering, 2019, 66, 207-216.	4.4	25
110	Edge-selective decoration with ruthenium at graphitic nanoplatelets for efficient hydrogen production at universal pH. Nano Energy, 2020, 76, 105114.	16.0	25
111	Highly Active Surface Structure in Nanosized Spinel Cobalt-Based Oxides for Electrocatalytic Water Splitting. Journal of Physical Chemistry C, 2018, 122, 14447-14458.	3.1	24
112	Achieving UV and X-ray Dual Photochromism in a Metalâ€“Organic Hybrid via Structural Modulation. ACS Applied Materials & Interfaces, 2021, 13, 2745-2752.	8.0	24
113	In Situ Exploring of the Origin of the Enhanced Oxygen Evolution Reaction Efficiency of Metal(Co/Fe)â€“Organic Framework Catalysts Via Postprocessing. ACS Catalysis, 2022, 12, 3138-3148.	11.2	24
114	Decomposition of CO2 to carbon and oxygen under mild conditions over a zinc-modified zeolite. Chemical Communications, 2012, 48, 2325.	4.1	23
115	Graphene-like nanocomposites anchored by Ni₃S₂ slices for Li-ion storage. RSC Advances, 2016, 6, 48083-48088.	3.6	23
116	3D microstructures of nuclear graphite: IG-110, NBG-18 and NG-CT-10. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	3.4	23
117	A Large Family of Centrosymmetric and Chiral f-Element-Bearing Iodate Selenates Exhibiting Coordination Number and Dimensional Reductions. Inorganic Chemistry, 2018, 57, 1676-1683.	4.0	23
118	Extraction of local coordination structure in a low-concentration uranyl system by XANES. Journal of Synchrotron Radiation, 2016, 23, 758-768.	2.4	22
119	Investigation of annealing-induced oxygen vacanciesÂin the Co-doped ZnO system by CoK-edge XANES spectroscopy. Journal of Synchrotron Radiation, 2010, 17, 600-605.	2.4	21
120	Synthesis, Structure, and Olefin Polymerization Behavior of Nickel Complexes with Carborane [S,C] or [S,S] Ligands. Organometallics, 2011, 30, 4935-4940.	2.3	21
121	Study on the Cr deposition and poisoning phenomenon at (La 0.6 Sr 0.4)(Co 0.2 Fe 0.8)O 3â^Î´ electrode of solid oxide fuel cells by transmission X-ray microscopy. International Journal of Hydrogen Energy, 2014, 39, 15728-15734.	7.1	20
122	A Nanostructured Architecture for Reducedâ€Temperature Solid Oxide Fuel Cells. Advanced Energy Materials, 2015, 5, 1500375.	19.5	20
123	Silica direct evaporation: a size-controlled approach to SiC/carbon nanosheet composites as Pt catalyst supports for superior methanol electrooxidation. Journal of Materials Chemistry A, 2015, 3, 24139-24147.	10.3	20
124	Insight into dynamic interaction of molten MgCl2-NaCl-KCl with impurity water via FPMD simulations. Journal of Molecular Liquids, 2020, 314, 113596.	4.9	20
125	Understanding the origin of high oxygen evolution reaction activity in the high Sr-doped perovskite. Chinese Journal of Catalysis, 2020, 41, 592-597.	14.0	20
126	A cationic thoriumâ€“organic framework with triple single-crystal-to-single-crystal transformation peculiarities for ultrasensitive anion recognition. Chemical Science, 2021, 12, 15833-15842.	7.4	20

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127	Recent advances in the applications of thorium-based metalâ€“organic frameworks and molecular clusters. Dalton Transactions, 2022, 51, 7376-7389.	3.3	19
128	High Activity of Nanoporousâ€Sm_{0.2}Ce_{0.8}O_{2â€Î´}@430L Composites for Hydrogen Electroâ€Oxidation in Solid Oxide Fuel Cells. Advanced Energy Materials, 2014, 4, 1400883.	19.5	18
129	High Oxide Ion Conduction in Molten Na₂W₂O₇. Advanced Electronic Materials, 2018, 4, 1800352.	5.1	18
130	Dynamic structural transformation induced by defects in nano-rod FeOOH during electrochemical water splitting. Journal of Materials Chemistry A, 2022, 10, 602-610.	10.3	18
131	Red emissive organic light-emitting diodes based on codeposited inexpensive Cu^I complexes. Journal of Materials Chemistry C, 2015, 3, 5835-5843.	5.5	17
132	Molten salt synthesis of Nb-doped (La, Sr)FeO3 as the oxygen electrode for reversible solid oxide cells. Materials Letters, 2019, 245, 114-117.	2.6	17
133	3-Hydroxy-2-Pyrrolidinone as a Potential Bidentate Ligand for in Vivo Chelation of Uranyl with Low Cytotoxicity and Moderate Decorporation Efficacy: A Solution Thermodynamics, Structural Chemistry, and in Vivo Uranyl Removal Survey. Inorganic Chemistry, 2019, 58, 3349-3354.	4.0	17
134	Interpenetration Control in Thorium Metalâ€“Organic Frameworks: Structural Complexity toward Iodine Adsorption. Inorganic Chemistry, 2021, 60, 5617-5626.	4.0	17
135	Promotion of the oxygen evolution reaction via the reconstructed active phase of perovskite oxide. Journal of Materials Chemistry A, 2022, 10, 2271-2279.	10.3	17
136	An Efficient Family of Misfitâ€Layered Calcium Cobalt Oxide Catalyst for Oxygen Evolution Reaction. Advanced Materials Interfaces, 2018, 5, 1801281.	3.7	16
137	In Situ Reduction from Uranyl Ion into a Tetravalent Uranium Trimer and Hexamer Featuring Ion-Exchange Properties and the Alexandrite Effect. Inorganic Chemistry, 2018, 57, 6753-6761.	4.0	16
138	Size-dependent selective crystallization using an inorganic mixed-oxoanion system for lanthanide separation. Dalton Transactions, 2019, 48, 12808-12811.	3.3	16
139	Expansion of the structural diversity of f-element bearing molybdate iodates: synthesis, structures, and optical properties. Dalton Transactions, 2019, 48, 4823-4829.	3.3	16
140	[Ln 6 O 8] Clusterâ€Encapsulating Polyplumbites as New Polyoxometalate Members and Record Inorganic Anionâ€Exchange Materials for ReO 4 â¯ Sequestration. Advanced Science, 2019, 6, 1900381.	11.2	16
141	Identifying the electrocatalytic active sites of a Ru-based catalyst with high Faraday efficiency in CO₂-saturated media for an aqueous Znâ€“CO₂ system. Journal of Materials Chemistry A, 2020, 8, 14927-14934.	10.3	16
142	Single crystal titanateâ€“zirconate nanoleaf: Synthesis, growth mechanism and enhanced photocatalytic hydrogen evolution properties. CrystEngComm, 2012, 14, 1874.	2.6	15
143	Lattice distortion and its role in the magnetic behavior of the Mn-doped ZnO system. New Journal of Physics, 2012, 14, 013033.	2.9	15
144	Adsorption of uranium (VI) onto amidoxime-functionalized ultra-high molecular weight polyethylene fibers from aqueous solution. Nuclear Science and Techniques/Hewuli, 2017, 28, 1.	3.4	15

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