Jie-Sheng Chen

List of Publications by Year
in descending order

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		7069	13338
344	21,787	78	130
papers	citations	h-index	g-index

361	361	361	21736
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoluminescent Metalâ^'Organic Polymer Constructed from Trimetallic Clusters and Mixed Carboxylates. Inorganic Chemistry, 2003, 42, 944-946.	1.9	647
2	Metal-Free Activation of Dioxygen by Graphene/g-C₃N₄Nanocomposites: Functional Dyads for Selective Oxidation of Saturated Hydrocarbons. Journal of the American Chemical Society, 2011, 133, 8074-8077.	6.6	567
3	Janus Co/CoP Nanoparticles as Efficient Mottâ€“Schottky Electrocatalysts for Overall Water Splitting in Wide pH Range. Advanced Energy Materials, 2017, 7, 1602355.	10.2	482
4	Surface and Interface Engineering of Electrode Materials for Lithiumâ€ion Batteries. Advanced Materials, 2015, 27, 527-545.	11.1	426
5	Structures, Photoluminescence, Up-Conversion, and Magnetism of 2D and 3D Rare-Earth Coordination Polymers with Multicarboxylate Linkages. Inorganic Chemistry, 2006, 45, 2857-2865.	1.9	403
6	Corrosion engineering towards efficient oxygen evolution electrodes with stable catalytic activity for over 6000 hours. Nature Communications, 2018, 9, 2609.	5.8	389
7	Extended Structures and Physicochemical Properties of Uranylâ€“Organic Compounds. Accounts of Chemical Research, 2011, 44, 531-540.	7.6	375
8	Activating Cobalt Nanoparticles via the Mottâ€“Schottky Effect in Nitrogen-Rich Carbon Shells for Base-Free Aerobic Oxidation of Alcohols to Esters. Journal of the American Chemical Society, 2017, 139, 811-818.	6.6	351
9	Efficient oxygen evolution electrocatalysis in acid by a perovskite with face-sharing IrO6 octahedral dimers. Nature Communications, 2018, 9, 5236.	5.8	325
10	Synthesis, Structure, and Photoelectronic Effects of a Uraniumâ^'Zincâ^'Organic Coordination Polymer Containing Infinite Metal Oxide Sheets. Journal of the American Chemical Society, 2003, 125, 9266-9267.	6.6	302
11	Electrochemical Reduction of N₂ into NH₃ by Donorâ€“Acceptor Couples of Ni and Au Nanoparticles with a 67.8% Faradaic Efficiency. Journal of the American Chemical Society, 2019, 141, 14976-14980.	6.6	290
12	Structural Variation from 1D to 3D: Effects of Ligands and Solvents on the Construction of Lead(II)â€“Organic Coordination Polymers. Chemistry - A European Journal, 2007, 13, 3248-3261.	1.7	280
13	Macroporous V₂O₅â^'BiVO₄ Composites: Effect of Heterojunction on the Behavior of Photogenerated Charges. Journal of Physical Chemistry C, 2011, 115, 8064-8071.	1.5	251
14	Water-Insoluble Ag-U-Organic Assemblies with Photocatalytic Activity. Chemistry - A European Journal, 2005, 11, 2642-2650.	1.7	249
15	Surface Binding of Polypyrrole on Porous Silicon Hollow Nanospheres for Liâ€ion Battery Anodes with High Structure Stability. Advanced Materials, 2014, 26, 6145-6150.	11.1	244
16	Carbon-Coated V₂O₅ Nanocrystals as High Performance Cathode Material for Lithium Ion Batteries. Chemistry of Materials, 2011, 23, 5290-5292.	3.2	230
17	2D/2D Heterojunctions for Catalysis. Advanced Science, 2019, 6, 1801702.	5.6	224
18	New Polymerâ^'Inorganic Nanocomposites:Â PEOâ^'ZnO and PEOâ^'ZnOâ^'LiClO4Films. Journal of Physical Chemistry B, 2001, 105, 10169-10174.	1.2	221

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19	Hierarchical porous carbon derived from rice straw for lithium ion batteries with high-rate performance. Electrochemistry Communications, 2009, 11, 130-133.	2.3	218
20	A Novel Open-Framework Cobalt Phosphate Containing a Tetrahedrally Coordinated Cobalt(II) Center: CoPO4Â· 0.5 C2H10N2. Angewandte Chemie International Edition in English, 1994, 33, 639-640.	4.4	216
21	Preparation, Structures, and Photocatalytic Properties of Three New Uranylâ^'Organic Assembly Compounds. Inorganic Chemistry, 2008, 47, 4844-4853.	1.9	210
22	Highly Efficient Dehydrogenation of Formic Acid over a Palladiumâ€Nanoparticleâ€Based Mottâ€“Schottky Photocatalyst. Angewandte Chemie - International Edition, 2013, 52, 11822-11825.	7.2	210
23	Boosting selective nitrogen reduction to ammonia on electron-deficient copper nanoparticles. Nature Communications, 2019, 10, 4380.	5.8	203
24	A General Strategy for Fabricating Isolated Single Metal Atomic Site Catalysts in Y Zeolite. Journal of the American Chemical Society, 2019, 141, 9305-9311.	6.6	191
25	Montmorillonite-Supported Ag/TiO₂ Nanoparticles: An Efficient Visible-Light Bacteria Photodegradation Material. ACS Applied Materials & Interfaces, 2010, 2, 544-550.	4.0	189
26	Efficient Sunlightâ€Driven Dehydrogenative Coupling of Methane to Ethane over a Zn⁺â€Modified Zeolite. Angewandte Chemie - International Edition, 2011, 50, 8299-8303.	7.2	187
27	MoO₂/Mo₂C Heteronanotubes Function as Highâ€Performance Liâ€Ion Battery Electrode. Advanced Functional Materials, 2014, 24, 3399-3404.	7.8	185
28	One-pot synthesis of Agâ€“Fe3O4 nanocomposite: a magnetically recyclable and efficient catalyst for epoxidation of styrene. Chemical Communications, 2008, , 3414.	2.2	182
29	Vinylene-Bridged Two-Dimensional Covalent Organic Frameworks via Knoevenagel Condensation of Tricyanomesitylene. Journal of the American Chemical Society, 2020, 142, 11893-11900.	6.6	180
30	High stability and superior rate capability of three-dimensional hierarchical SnS2 microspheres as anode material in lithium ion batteries. Journal of Power Sources, 2011, 196, 3650-3654.	4.0	175
31	Encapsulating Palladium Nanoparticles Inside Mesoporous MFI Zeolite Nanocrystals for Shapeâ€Selective Catalysis. Angewandte Chemie - International Edition, 2016, 55, 9178-9182.	7.2	174
32	Three-Dimensional 3dâ^'4f Heterometallic Coordination Polymers:Â Synthesis, Structures, and Magnetic Properties. Inorganic Chemistry, 2005, 44, 5241-5246.	1.9	172
33	Strongly Veined Carbon Nanoleaves as a Highly Efficient Metalâ€Free Electrocatalyst. Angewandte Chemie - International Edition, 2014, 53, 6905-6909.	7.2	156
34	Highly Luminescent ZnO Nanocrystals Stabilized by Ionic-Liquid Components. Angewandte Chemie - International Edition, 2006, 45, 7370-7373.	7.2	153
35	Homochiral Porous Lanthanide Phosphonates with 1D Triple-Strand Helical Chains:â€‰ Synthesis, Photoluminescence, and Adsorption Properties. Inorganic Chemistry, 2006, 45, 4431-4439.	1.9	151
36	SAPO-18 Catalysts and Their Broensted Acid Sites. The Journal of Physical Chemistry, 1994, 98, 10216-10224.	2.9	149

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37	Direct conversion of urea into graphitic carbon nitride over mesoporous TiO₂spheres under mild condition. Chemical Communications, 2011, 47, 1066-1068.	2.2	148
38	Synthesis of Amphiphilic Superparamagnetic Ferrite/Block Copolymer Hollow Submicrospheres. Journal of the American Chemical Society, 2006, 128, 8382-8383.	6.6	141
39	Multifunctional Auâ€“Co@CN Nanocatalyst for Highly Efficient Hydrolysis of Ammonia Borane. ACS Catalysis, 2015, 5, 388-392.	5.5	135
40	Construction of a microporous inorganicâ€“organic hybrid compound with uranyl units. Chemical Communications, 2004, , 1814-1815.	2.2	134
41	Facile Synthesis of Thermalâ€•and Photostable Titania with Paramagnetic Oxygen Vacancies for Visibleâ€Light Photocatalysis. Chemistry - A European Journal, 2013, 19, 2866-2873.	1.7	133
42	Distinguishing the Silanol Groups in the Mesoporous Molecular Sieve MCM-41. Angewandte Chemie International Edition in English, 1996, 34, 2694-2696.	4.4	132
43	Strategies to succeed in improving the lithium-ion storage properties of silicon nanomaterials. Journal of Materials Chemistry A, 2016, 4, 32-50.	5.2	130
44	Polyether-Grafted ZnO Nanoparticles with Tunable and Stable Photoluminescence at Room Temperature. Chemistry of Materials, 2005, 17, 3062-3064.	3.2	127
45	Schottky Barrier Induced Coupled Interface of Electron-Rich N-Doped Carbon and Electron-Deficient Cu: In-Built Lewis Acidâ€“Base Pairs for Highly Efficient CO₂ Fixation. Journal of the American Chemical Society, 2019, 141, 38-41.	6.6	123
46	Formation of hydronium at the Broensted site in SAPO-34 catalysts. The Journal of Physical Chemistry, 1993, 97, 8109-8112.	2.9	119
47	Toward Hydrogenâ€Free and Dendriteâ€Free Aqueous Zinc Batteries: Formation of Zincophilic Protective Layer on Zn Anodes. Advanced Science, 2022, 9, e2104866.	5.6	118
48	Effect of Heterojunction on the Behavior of Photogenerated Charges in Fe₃O₄@Fe₂O₃ Nanoparticle Photocatalysts. Journal of Physical Chemistry C, 2011, 115, 8637-8642.	1.5	112
49	MAPO-18 (M ? Mg, Zn, Co): a new family of catalysts for the conversion of methanol to light olefins. Journal of the Chemical Society Chemical Communications, 1994, , 603.	2.0	105
50	Self-modification of titanium dioxide materials by Ti³⁺ and/or oxygen vacancies: new insights into defect chemistry of metal oxides. RSC Advances, 2014, 4, 13979-13988.	1.7	101
51	Structure of an Unusual Aluminium Phosphate ([Al5P6O24H]2- 2[N(C2H5)3H]+ Â· 2H2O) JDF-20 with Large Elliptical Apertures. Journal of Solid State Chemistry, 1993, 102, 204-208.	1.4	100
52	Syntheses and photoluminescent properties of two uranyl-containing compounds with extended structures. Polyhedron, 2006, 25, 1359-1366.	1.0	100
53	Porous Titania with Heavily Self-Doped Ti³⁺ for Specific Sensing of CO at Room Temperature. Inorganic Chemistry, 2013, 52, 5924-5930.	1.9	100
54	Highly Reversible Zinc Anode Enabled by a Cation-Exchange Coating with Zn-Ion Selective Channels. ACS Nano, 2022, 16, 6906-6915.	7.3	100

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55	Hydrothermal synthesis and photoluminescent properties of ZnWO4 and Eu3+-doped ZnWO4. Materials Letters, 2002, 55, 152-157.	1.3	98
56	3D-hierarchical SnS₂micro/nano-structures: controlled synthesis, formation mechanism and lithium ion storage performances. CrystEngComm, 2012, 14, 1364-1375.	1.3	98
57	On the Nature of the Active Site in a CoAPO-18 Solid Acid Catalyst. Angewandte Chemie International Edition in English, 1994, 33, 1871-1873.	4.4	96
58	Cobalt-Doped MnO₂Hierarchical Yolkâ€“Shell Spheres with Improved Supercapacitive Performance. Journal of Physical Chemistry C, 2015, 119, 8465-8471.	1.5	96
59	A novel porous sheet aluminophosphate: Al3P4O16 3? 1.5[NH3(CH2)4NH3]2+. Journal of the Chemical Society Chemical Communications, 1992, , 929.	2.0	95
60	A Chiral Lead Borate Containing Infinite and Finite Chains Built up from BO4and BO3Units. Chemistry of Materials, 2002, 14, 1314-1318.	3.2	95
61	Anchoring Cobalt Nanocrystals through the Plane of Graphene: Highly Integrated Electrocatalyst for Oxygen Reduction Reaction. Chemistry of Materials, 2015, 27, 544-549.	3.2	95
62	Silicoaluminophosphate number eighteen (SAPO-18): a new microporous solid acid catalyst. Catalysis Letters, 1994, 28, 241-248.	1.4	92
63	Nitrogen-doped graphene microtubes with opened inner voids: Highly efficient metal-free electrocatalysts for alkaline hydrogen evolution reaction. Nano Research, 2016, 9, 2606-2615.	5.8	92
64	Tuning the Adsorption Energy of Methanol Molecules Along Niâ€Nâ€Doped Carbon Phase Boundaries by the Mottâ€“Schottky Effect for Gasâ€Phase Methanol Dehydrogenation. Angewandte Chemie - International Edition, 2018, 57, 2697-2701.	7.2	91
65	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.	2.7	90
66	A facile one-pot reduction method for the preparation of a SnO/SnO₂/GNS composite for high performance lithium ion batteries. Dalton Transactions, 2014, 43, 3137-3143.	1.6	89
67	Nitrogen-doped carbon nets with micro/mesoporous structures as electrodes for high-performance supercapacitors. Journal of Materials Chemistry A, 2016, 4, 16698-16705.	5.2	88
68	Oxygen Vacancy Engineering of Co₃O₄ Nanocrystals through Coupling with Metal Support for Water Oxidation. ChemSusChem, 2017, 10, 2875-2879.	3.6	88
69	Synthesis of Ionic Vinyleneâ€Linked Covalent Organic Frameworks through Quaternizationâ€Activated Knoevenagel Condensation. Angewandte Chemie - International Edition, 2021, 60, 13614-13620.	7.2	87
70	Synergistic Effect on the Photoactivation of the Methane Cï£¿H Bond over Ga³⁺â€Modified ETSâ€10. Angewandte Chemie - International Edition, 2012, 51, 4702-4706.	7.2	86
71	Strategies toward Highâ€Performance Cathode Materials for Lithiumâ€“Oxygen Batteries. Small, 2018, 14, e1800078.	5.2	86
72	Boosting the Zn-ion transfer kinetics to stabilize the Zn metal interface for high-performance rechargeable Zn-ion batteries. Journal of Materials Chemistry A, 2021, 9, 16814-16823.	5.2	86

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73	Bronsted, Lewis, and Redox Centers on CoAPO-18 Catalysts. 1. Vibrational Modes of Adsorbed Water. The Journal of Physical Chemistry, 1994, 98, 13350-13356.	2.9	85
74	MOFs of Uranium and the Actinides. Structure and Bonding, 2014, , 265-295.	1.0	84
75	Lithiation mechanism of hierarchical porous MoO₂nanotubes fabricated through one-step carbothermal reduction. Journal of Materials Chemistry A, 2014, 2, 80-86.	5.2	84
76	Synthesis, Structures and Electrochemical Properties of Nitro- and Amino-Functionalized Diiron Azadithiolates as Active Site Models of Fe-Only Hydrogenases. Chemistry - A European Journal, 2004, 10, 4474-4479.	1.7	83
77	A Composite of Carbonâ€Wrapped Mo₂C Nanoparticle and Carbon Nanotube Formed Directly on Ni Foam as a Highâ€Performance Binderâ€Free Cathode for Liâ€O₂ Batteries. Advanced Functional Materials, 2016, 26, 8514-8520.	7.8	83
78	Hierarchical carbon nanopapers coupled with ultrathin MoS2 nanosheets: Highly efficient large-area electrodes for hydrogen evolution. Nano Energy, 2015, 15, 335-342.	8.2	81
79	Nonaqueous Synthesis and Characterization of a New 2-Dimensional Layered Aluminophosphate [Al3P4O16]3â¯Â· 3[CH3CH2NH3]+. Journal of Solid State Chemistry, 1997, 129, 37-44.	1.4	80
80	Multistaged discharge constructing heterostructure with enhanced solid-solution behavior for long-life lithium-oxygen batteries. Nature Communications, 2019, 10, 5810.	5.8	80
81	IR spectroscopic study of CD3CN adsorbed on ALPO-18 molecular sieve and the solid acid catalysts SAPO-18 and MeAPO-18. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 3455.	1.7	79
82	Room-temperature transfer hydrogenation and fast separation of unsaturated compounds over heterogeneous catalysts in an aqueous solution of formic acid. Green Chemistry, 2014, 16, 3746-3751.	4.6	79
83	Neuron-Inspired Design of High-Performance Electrode Materials for Sodium-Ion Batteries. ACS Nano, 2018, 12, 11503-11510.	7.3	79
84	Preparation and gas storage of high surface area microporous carbon derived from biomass source cornstalks. Bioresource Technology, 2008, 99, 4803-4808.	4.8	76
85	Construction of Three-Dimensional Uranyl-Organic Frameworks with Benzenetricarboxylate Ligands. European Journal of Inorganic Chemistry, 2010, 2010, 3780-3788.	1.0	75
86	Solving the Structure of a Metal-Substituted Aluminum Phosphate Catalyst by Electron Microscopy, Computer Simulation, and X-ray Powder Diffraction. Angewandte Chemie International Edition in English, 1992, 31, 1472-1475.	4.4	74
87	A graphene-wrapped silverâ€“porous silicon composite with enhanced electrochemical performance for lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 13648.	5.2	74
88	Carbonate decomposition: Low-overpotential Li-CO2 battery based on interlayer-confined monodisperse catalyst. Energy Storage Materials, 2018, 15, 291-298.	9.5	73
89	Formation of Single-Crystalline CuS Nanoplates Vertically Standing on Flat Substrate. Crystal Growth and Design, 2007, 7, 2265-2267.	1.4	72
90	Controlled Synthesis, Growth Mechanism, and Properties of Monodisperse CdS Colloidal Spheres. Chemistry - A European Journal, 2007, 13, 8754-8761.	1.7	71

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91	An open-framework zinc phosphate with Znï£¿Oï£¿Zn linkages. Advanced Materials, 1994, 6, 679-680.	11.1	70
92	Cobalt-substituted aluminophosphate molecular sieves: x-ray absorption, infrared spectroscopic, and catalytic studies. Chemistry of Materials, 1992, 4, 1373-1380.	3.2	69
93	Uranyl pyridine-dicarboxylate compounds with clustered water molecules. Inorganic Chemistry Communication, 2006, 9, 595-598.	1.8	68
94	Enriching Co nanoparticles inside carbon nanofibers via nanoscale assembly of metalâ€“organic complexes for highly efficient hydrogen evolution. Nano Energy, 2016, 22, 79-86.	8.2	68
95	Schottky Barrierâ€Induced Surface Electric Field Boosts Universal Reduction of NO_x^{â¯} in Water to Ammonia. Angewandte Chemie - International Edition, 2021, 60, 20711-20716.	7.2	68
96	Assembly of a manganese(ii) pyridine-3,4-dicarboxylate polymeric network based on infinite Mnâ€“Oâ€“C chains. Dalton Transactions, 2003, , 28-30.	1.6	67
97	Synthesis of uranium oxide nanoparticles and their catalytic performance for benzyl alcohol conversion to benzaldehyde. Journal of Materials Chemistry, 2008, 18, 1146.	6.7	67
98	Towards real Li-air batteries: A binder-free cathode with high electrochemical performance in CO2 and O2. Energy Storage Materials, 2017, 7, 209-215.	9.5	66
99	Synthesis and structure of a new microporous anionic derivative of germanium dioxide: [Ge18O38(OH)4]8-[(C2N2H10)2+]4.cntdot.2H2O. Chemistry of Materials, 1992, 4, 808-812.	3.2	65
100	The First Organo-Templated Cobalt Phosphate with a Zeolite Topology. Inorganic Chemistry, 2000, 39, 1476-1479.	1.9	65
101	Freeâ€Standing Air Cathodes Based on 3D Hierarchically Porous Carbon Membranes: Kinetic Overpotential of Continuous Macropores in Liâ€O₂ Batteries. Angewandte Chemie - International Edition, 2018, 57, 6825-6829.	7.2	65
102	Polarized few-layer g-C3N4 as metal-free electrocatalyst for highly efficient reduction of CO2. Nano Research, 2018, 11, 2450-2459.	5.8	65
103	Electrocatalyst design for aprotic Liâ€“CO₂ batteries. Energy and Environmental Science, 2020, 13, 4717-4737.	15.6	65
104	Lowâ€Overpotential Liâ€“O₂ Batteries Based on TFSI Intercalated Coâ€“Ti Layered Double Oxides. Advanced Functional Materials, 2016, 26, 1365-1374.	7.8	64
105	Synthesis and structure of a novel large-pore microporous magnesium-containing aluminophosphate (DAF-1). Journal of the Chemical Society Chemical Communications, 1993, , 633.	2.0	63
106	Li₄Ti₅O₁₂/TiO₂ Hollow Spheres Composed Nanoflakes with Preferentially Exposed Li₄Ti₅O₁₂ (011) Facets for High-Rate Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 19791-19796.	4.0	63
107	Heteroatomâ€Embedded Approach to Vyleneâ€Linked Covalent Organic Frameworks with Isoelectronic Structures for Photoredox Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	63
108	Uniform hierarchical MoO2/carbon spheres with high cycling performance for lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 12038.	5.2	62

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109	New chain architecture for a one-dimensional aluminophosphate, [H3NCH2CH2NH3][AlP2 O8H]. Chemical Communications, 1997, , 1273-1274.	2.2	61
110	Chemical Formation of Mononuclear Univalent Zinc in a Microporous Crystalline Silicoaluminophosphate. Journal of the American Chemical Society, 2003, 125, 6622-6623.	6.6	61
111	Synthesis and Characterization of a Family of Amine-Intercatalated Lamellar Aluminophosphates from Alcoholic System. Chemistry of Materials, 1997, 9, 457-462.	3.2	60
112	Fabrication and Growth Mechanism of Selenium and Tellurium Nanobelts through a Vacuum Vapor Deposition Route. Journal of Physical Chemistry C, 2007, 111, 12926-12932.	1.5	60
113	Carbon nanocages with nanographene shell for high-rate lithium ion batteries. Journal of Materials Chemistry, 2010, 20, 9748.	6.7	60
114	Nitrogen-doped carbon nanotube sponge with embedded Fe/Fe₃C nanoparticles as binder-free cathodes for high capacity lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 17473-17480.	5.2	60
115	Interfacial Approach toward Benzeneâ€Bridged Polypyrrole Filmâ€“Based Microâ€Supercapacitors with Ultrahigh Volumetric Power Density. Advanced Functional Materials, 2020, 30, 1908243.	7.8	60
116	Organo-template control of inorganic structures: a low-symmetry two-dimensional sheet aluminophosphate3[NH3CHMeCH2NH3][Al6P8O32]Â·H2O. Chemical Communications, 1996, , 1781-1782.	2.2	59
117	In situ catalytic growth of large-area multilayered graphene/MoS2 heterostructures. Scientific Reports, 2014, 4, 4673.	1.6	58
118	Synthesis and Structure of a Chain Aluminophosphate Filled with [NH4]+and [H3NCH2CH2NH3]2+Cations. Journal of Solid State Chemistry, 1996, 127, 145-150.	1.4	57
119	Constructing holey graphene monoliths via supramolecular assembly: Enriching nitrogen heteroatoms up to the theoretical limit for hydrogen evolution reaction. Nano Energy, 2015, 15, 567-575.	8.2	57
120	Controlled Growth and Photocatalytic Properties of CdS Nanocrystals Implanted in Layered Metal Hydroxide Matrixes. Journal of Physical Chemistry B, 2005, 109, 21602-21607.	1.2	56
121	Synthesis, structure characterization and photocatalytic properties of two new uranyl naphthalene-dicarboxylate coordination polymer compounds. Inorganic Chemistry Communication, 2010, 13, 1542-1547.	1.8	55
122	Syntheses, Structures, and Magnetic Properties of Mixed-Valent Diruthenium(II,III) Diphosphonates with Discrete and One-Dimensional Structures. Inorganic Chemistry, 2005, 44, 4309-4314.	1.9	54
123	Atomicâ€Scale Mottâ€“Schottky Heterojunctions of Boron Nitride Monolayer and Graphene as Metalâ€Free Photocatalysts for Artificial Photosynthesis. Advanced Science, 2018, 5, 1800062.	5.6	54
124	Enhanced Electrochemical Performance of Aprotic Liâ€CO₂ Batteries with a Rutheniumâ€Complexâ€Based Mobile Catalyst. Angewandte Chemie - International Edition, 2021, 60, 16404-16408.	7.2	53
125	A Green Chemistry of Graphene: Photochemical Reduction towards Monolayer Graphene Sheets and the Role of Water Adlayers. ChemSusChem, 2012, 5, 642-646.	3.6	52
126	Nonâ€Conjugated Dicarboxylate Anode Materials for Electrochemical Cells. Angewandte Chemie - International Edition, 2018, 57, 8865-8870.	7.2	52

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127	Heterojunctionâ€Based Electron Donators to Stabilize and Activate Ultrafine Pt Nanoparticles for Efficient Hydrogen Atom Dissociation and Gas Evolution. Angewandte Chemie - International Edition, 2021, 60, 25766-25770.	7.2	52
128	Synthesis and characterization of Cdâ€“Cr and Znâ€“Cdâ€“Cr layered double hydroxides intercalated with dodecyl sulfate. Journal of Solid State Chemistry, 2005, 178, 1830-1836.	1.4	50
129	Formation of CuS nanotube arrays from CuCl Nanorods through a gas-solid reaction route. Journal of Crystal Growth, 2007, 299, 386-392.	0.7	50
130	Microporous carbon derived from pinecone hull as anode material for lithium secondary batteries. Materials Letters, 2007, 61, 5209-5212.	1.3	50
131	Heterometal Alkoxides as Precursors for the Preparation of Porous Feâ€“ and Mnâ€“TiO₂ Photocatalysts with High Efficiencies. Chemistry - A European Journal, 2008, 14, 11123-11131.	1.7	50
132	Mesoporous titania rods as an anode material for high performance lithium-ion batteries. Journal of Power Sources, 2012, 214, 298-302.	4.0	50
133	Template-directed metal oxides for electrochemical energy storage. Energy Storage Materials, 2016, 3, 1-17.	9.5	50
134	Photoluminescent and photovoltaic properties observed in a zinc borate Zn2(OH)BO3. Journal of Materials Chemistry, 2003, 13, 2227-2233.	6.7	49
135	A uraniumâ€“zincâ€“organic molecular compound containing planar tetranuclear uranyl units. Dalton Transactions, 2003, , 4219-4220.	1.6	49
136	Controlled modification of multiwalled carbon nanotubes with Zno nanostructures. Journal of Solid State Chemistry, 2008, 181, 822-827.	1.4	49
137	Hierarchical Li4Ti5O12/TiO2 composite tubes with regular structural imperfection for lithium ion storage. Scientific Reports, 2013, 3, 3490.	1.6	49
138	A precursor route to single-crystalline WO3 nanoplates with an uneven surface and enhanced sensing properties. Dalton Transactions, 2012, 41, 9773.	1.6	48
139	Light-induced formation of porous TiO2 with superior electron-storing capacity. Chemical Communications, 2010, 46, 2112.	2.2	46
140	Towards ultra-stable lithium metal batteries: Interfacial ionic flux regulated through LiAl LDH-modified polypropylene separator. Chemical Engineering Journal, 2020, 395, 125187.	6.6	46
141	Preparation and Tunable Photoluminescence of Carbogenic Nanoparticles Confined in a Microporous Magnesium-Aluminophosphate. Inorganic Chemistry, 2010, 49, 5859-5867.	1.9	45
142	Wrinkled Graphene Monoliths as Superabsorbing Building Blocks for Superhydrophobic and Superhydrophilic Surfaces. Angewandte Chemie - International Edition, 2015, 54, 15165-15169.	7.2	45
143	Toward Lower Overpotential through Improved Electron Transport Property: Hierarchically Porous CoN Nanorods Prepared by Nitridation for Lithiumâ€“Oxygen Batteries. Nano Letters, 2016, 16, 5902-5908.	4.5	43
144	Grouping Effect of Single Nickelâ^'N₄ Sites in Nitrogenâ€Doped Carbon Boosts Hydrogen Transfer Coupling of Alcohols and Amines. Angewandte Chemie - International Edition, 2018, 57, 15194-15198.	7.2	43

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145	Structure and magnetic properties of a novel copper diphosphonate with pillared layered structure:. Journal of Solid State Chemistry, 2004, 177, 1297-1301.	1.4	42
146	Magnetically recyclable Ag-ferrite catalysts: general synthesis and support effects in the epoxidation of styrene. Dalton Transactions, 2009, , 10527.	1.6	42
147	Photochemically Engineering the Metalâ€“Semiconductor Interface for Roomâ€Temperature Transfer Hydrogenation of Nitroarenes with Formic Acid. Chemistry - A European Journal, 2014, 20, 16732-16737.	1.7	42
148	Controlled modification of multi-walled carbon nanotubes with CuO, Cu2O and Cu nanoparticles. Solid State Sciences, 2009, 11, 655-659.	1.5	40
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