

Hong Chen

List of Publications by Year in descending order

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165
papers

11,947
citations

36203

51
h-index

30010

103
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172
all docs

172
docs citations

172
times ranked

14489
citing authors

#	ARTICLE	IF	CITATIONS
1	Perovskite light-emitting diodes based on spontaneously formed submicrometre-scale structures. <i>Nature</i> , 2018, 562, 249-253.	13.7	1,555
2	Nickel-vanadium monolayer double hydroxide for efficient electrochemical water oxidation. <i>Nature Communications</i> , 2016, 7, 11981.	5.8	808
3	Thermochromic halide perovskite solar cells. <i>Nature Materials</i> , 2018, 17, 261-267.	13.3	630
4	Direct Observation of Structural Evolution of Metal Chalcogenide in Electrocatalytic Water Oxidation. <i>ACS Nano</i> , 2018, 12, 12369-12379.	7.3	366
5	Vacancy-Rich Monolayer BiO ₂ as a Highly Efficient UV, Visible, and Near-Infrared Responsive Photocatalyst. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 491-495.	7.2	365
6	High-Energy/Power and Low-Temperature Cathode for Sodium-Ion Batteries: In Situ XRD Study and Superior Full-Cell Performance. <i>Advanced Materials</i> , 2017, 29, 1701968.	11.1	350
7	Dendritic core-shell nickel-iron-copper metal/metal oxide electrode for efficient electrocatalytic water oxidation. <i>Nature Communications</i> , 2018, 9, 381.	5.8	322
8	Oriented Quasi-2D Perovskites for High Performance Optoelectronic Devices. <i>Advanced Materials</i> , 2018, 30, e1804771.	11.1	268
9	Single-Atom Fe Catalyst Outperforms Its Homogeneous Counterpart for Activating Peroxymonosulfate to Achieve Effective Degradation of Organic Contaminants. <i>Environmental Science & Technology</i> , 2021, 55, 7034-7043.	4.6	244
10	Liquid medium annealing for fabricating durable perovskite solar cells with improved reproducibility. <i>Science</i> , 2021, 373, 561-567.	6.0	227
11	Photocatalytic CO ₂ Conversion of M _{0.33} WO ₃ Directly from the Air with High Selectivity: Insight into Full Spectrum-Induced Reaction Mechanism. <i>Journal of the American Chemical Society</i> , 2019, 141, 5267-5274.	6.6	224
12	Hollow Iron-Vanadium Composite Spheres: A Highly Efficient Iron-Based Water Oxidation Electrocatalyst without the Need for Nickel or Cobalt. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3289-3293.	7.2	216
13	Rational design of infrared nonlinear optical chalcogenides by chemical substitution. <i>Coordination Chemistry Reviews</i> , 2020, 406, 213150.	9.5	194
14	Organic Polymer Dots as Photocatalysts for Visible Light-Driven Hydrogen Generation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12306-12310.	7.2	191
15	Interfacial Engineering of Bi ₁₉ Br ₃ S ₂₇ Nanowires Promotes Metallic Photocatalytic CO ₂ Reduction Activity under Near-Infrared Light Irradiation. <i>Journal of the American Chemical Society</i> , 2021, 143, 6551-6559.	6.6	159
16	Series of Highly Stable Isoreticular Lanthanide Metal-Organic Frameworks with Expanding Pore Size and Tunable Luminescent Properties. <i>Chemistry of Materials</i> , 2015, 27, 5332-5339.	3.2	146
17	The effect of the polyaniline morphology on the performance of polyaniline supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 574-580.	1.2	139
18	A nickel (II) PY5 complex as an electrocatalyst for water oxidation. <i>Journal of Catalysis</i> , 2016, 335, 72-78.	3.1	121

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19	Full spectrum light driven photocatalytic in-situ epitaxy of one-unit-cell Bi ₂ O ₂ CO ₃ layers on Bi ₂ O ₄ nanocrystals for highly efficient photocatalysis and mechanism unveiling. Applied Catalysis B: Environmental, 2019, 243, 667-677.	10.8	114
20	PbGa ₂ MSe ₆ (M = Si, Ge): Two Exceptional Infrared Nonlinear Optical Crystals. Chemistry of Materials, 2015, 27, 914-922.	3.2	110
21	Tuning electronic property and surface reconstruction of amorphous iron borides via W-P co-doping for highly efficient oxygen evolution. Applied Catalysis B: Environmental, 2021, 288, 120037.	10.8	108
22	Efficient and bright warm-white electroluminescence from lead-free metal halides. Nature Communications, 2021, 12, 1421.	5.8	99
23	Synthesis of Silver Nanowires with Reduced Diameters Using Benzoin-Derived Radicals to Make Transparent Conductors with High Transparency and Low Haze. Nano Letters, 2018, 18, 5329-5334.	4.5	96
24	A Zn-MOF constructed from electron-rich π -conjugated ligands with an interpenetrated graphene-like net as an efficient nitroaromatic sensor. RSC Advances, 2016, 6, 45475-45481.	1.7	94
25	Zeolite A synthesized from alkaline assisted pre-activated halloysite for efficient heavy metal removal in polluted river water and industrial wastewater. Journal of Environmental Sciences, 2017, 56, 254-262.	3.2	91
26	High conductivity Ag-based metal organic complexes as dopant-free hole-transport materials for perovskite solar cells with high fill factors. Chemical Science, 2016, 7, 2633-2638.	3.7	89
27	Structural and spectral dynamics of single-crystalline Ruddlesden-Popper phase halide perovskite blue light-emitting diodes. Science Advances, 2020, 6, eaay4045.	4.7	88
28	Infrared SHG Materials CsM ₃ Se ₆ (M = Ga/Sn, In/Sn): Phase Matchability Controlled by Dipole Moment of the Asymmetric Building Unit. Chemistry of Materials, 2017, 29, 499-503.	3.2	87
29	Plasmonic MoO _{3-x} nanosheets with tunable oxygen vacancies as efficient visible light responsive photocatalyst. Applied Surface Science, 2019, 490, 395-402.	3.1	86
30	Selective CO ₂ photoreduction to CH ₄ mediated by dimension-matched 2D/2D Bi ₃ NbO ₇ /g-C ₃ N ₄ S-scheme heterojunction. Chinese Journal of Catalysis, 2022, 43, 246-254.	6.9	85
31	Partial Isovalent Anion Substitution to Access Remarkable Second-Harmonic Generation Response: A Generic and Effective Strategy for Design of Infrared Nonlinear Optical Materials. Chemistry of Materials, 2020, 32, 5890-5896.	3.2	84
32	Salt-Inclusion Chalcogenide [Ba ₄ Cl ₂][ZnGa ₄ S ₁₀]: Rational Design of an IR Nonlinear Optical Material with Superior Comprehensive Performance Derived from AgGaS ₂ . Chemistry of Materials, 2020, 32, 8012-8019.	3.2	83
33	Cu(II) Complexes as p-Type Dopants in Efficient Perovskite Solar Cells. ACS Energy Letters, 2017, 2, 497-503.	8.8	77
34	Re-Investigation of Cobalt Porphyrin for Electrochemical Water Oxidation on FTO Surface: Formation of CoO _x as Active Species. ACS Catalysis, 2017, 7, 1143-1149.	5.5	74
35	Bi ₂ O ₃ /BiO ₂ Nanoheterojunction for Highly Efficient Electrocatalytic CO ₂ Reduction to Formate. Nano Letters, 2022, 22, 1656-1664.	4.5	72
36	A Tailor-Made Molecular Ruthenium Catalyst for the Oxidation of Water and Its Deactivation through Poisoning by Carbon Monoxide. Angewandte Chemie - International Edition, 2013, 52, 4189-4193.	7.2	69

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37	Solidâ€State Perovskiteâ€Sensitized pâ€Type Mesoporous Nickel Oxide Solar Cells. ChemSusChem, 2014, 7, 2150-2153.	3.6	69
38	A Germanosilicate Structure with 11Å–11Å–12â€Ring Channels Solved by Electron Crystallography. Angewandte Chemie - International Edition, 2014, 53, 5868-5871.	7.2	69
39	Promoting the Water Oxidation Catalysis by Synergistic Interactions between Ni(OH) ₂ and Carbon Nanotubes. Advanced Energy Materials, 2016, 6, 1600516.	10.2	68
40	General Post-annealing Method Enables High-Efficiency Two-Dimensional Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 33187-33197.	4.0	66
41	Bis(1,1-bis(2-pyridyl)ethane)copper(<i>scp</i> / <i>ii</i>) as an efficient redox couple for liquid dye-sensitized solar cells. Journal of Materials Chemistry A, 2016, 4, 14550-14554.	5.2	63
42	Defective and â€Disorderedâ€ Hortensia-like Layered MnO _x as an Efficient Electrocatalyst for Water Oxidation at Neutral pH. ACS Catalysis, 2017, 7, 6311-6322.	5.5	62
43	3D Open-Framework Vanadoborate as a Highly Effective Heterogeneous Pre-catalyst for the Oxidation of Alkylbenzenes. Chemistry of Materials, 2013, 25, 5031-5036.	3.2	61
44	N-doping induced tensile-strained Pt nanoparticles ensuring an excellent durability of the oxygen reduction reaction. Journal of Catalysis, 2020, 382, 247-255.	3.1	61
45	Highly efficient phenothiazine 5,5-dioxide-based hole transport materials for planar perovskite solar cells with a PCE exceeding 20%. Journal of Materials Chemistry A, 2019, 7, 9510-9516.	5.2	60
46	Unlocking bimetallic active sites via a desalination strategy for photocatalytic reduction of atmospheric carbon dioxide. Nature Communications, 2022, 13, 2146.	5.8	60
47	Integrated Design of Organic Hole Transport Materials for Efficient Solidâ€State Dyeâ€Sensitized Solar Cells. Advanced Energy Materials, 2015, 5, 1401185.	10.2	59
48	Mixed Redox-Couple-Involved Chalcopyrite Phase CuFeS ₂ Quantum Dots for Highly Efficient Cr(VI) Removal. Environmental Science & Technology, 2020, 54, 8022-8031.	4.6	57
49	Recent advances in waste-derived functional materials for wastewater remediation. , 2022, 1, 86-104.		57
50	Molecular engineering for efficient and selective iron porphyrin catalysts for electrochemical reduction of CO ₂ to CO. Chemical Communications, 2016, 52, 14478-14481.	2.2	55
51	Experimental and theoretical studies on the NLO properties of two quaternary non-centrosymmetric chalcogenides: BaAg ₂ GeS ₄ and BaAg ₂ SnS ₄ . Dalton Transactions, 2018, 47, 429-437.	1.6	55
52	Control of Barrier Width in Perovskite Multiple Quantum Wells for High Performance Green Lightâ€Emitting Diodes. Advanced Optical Materials, 2019, 7, 1801575.	3.6	55
53	[M(NMesBMes ₂) ₂] (M = Cr, Ni) : Stable, Distorted, Two-Coordinate d4 and d8 Complexes. Angewandte Chemie International Edition in English, 1989, 28, 316-317.	4.4	53
54	Coexistence of Strong Second Harmonic Generation Response and Wide Band Gap in AZn ₄ Ga ₅ S ₁₂ (A=K, Rb, Cs) with 3D Diamondâ€like Frameworks. Chemistry - A European Journal, 2017, 23, 10407-10412.	1.7	53

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55	Graphene Dots Embedded Phosphide Nanosheet-Assembled Tubular Arrays for Efficient and Stable Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24600-24607.	4.0	52
56	Sr ₅ ZnGa ₆ S ₁₅ : a new quaternary non-centrosymmetric semiconductor with a 3D framework structure displaying excellent nonlinear optical performance. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1458-1462.	3.0	51
57	Immobilization of a Molecular Ruthenium Catalyst on Hematite Nanorod Arrays for Water Oxidation with Stable Photocurrent. <i>ChemSusChem</i> , 2015, 8, 3242-3247.	3.6	49
58	Organic Polymer Dots as Photocatalysts for Visible Light-Driven Hydrogen Generation. <i>Angewandte Chemie</i> , 2016, 128, 12494-12498.	1.6	49
59	Design and synthesis of dopant-free organic hole-transport materials for perovskite solar cells. <i>Chemical Communications</i> , 2018, 54, 9571-9574.	2.2	49
60	Recycling spent water treatment adsorbents for efficient electrocatalytic water oxidation reaction. <i>Resources, Conservation and Recycling</i> , 2022, 178, 106037.	5.3	48
61	Regulation of the luminescence mechanism of two-dimensional tin halide perovskites. <i>Nature Communications</i> , 2022, 13, 60.	5.8	48
62	Gas-templating of hierarchically structured Ni-Co-P for efficient electrocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7564-7570.	5.2	47
63	Construction of Mesoporous Frameworks with Vanadoborate Clusters. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3608-3611.	7.2	46
64	The Ru-tpc Water Oxidation Catalyst and Beyond: Water Nucleophilic Attack Pathway versus Radical Coupling Pathway. <i>ACS Catalysis</i> , 2017, 7, 2956-2966.	5.5	46
65	Electron Transporting Bilayer of SnO ₂ and TiO ₂ Nanocolloid Enables Highly Efficient Planar Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 1900331.	3.1	46
66	A comprehensive review on metal chalcogenides with three-dimensional frameworks for infrared nonlinear optical applications. <i>Coordination Chemistry Reviews</i> , 2022, 470, 214706.	9.5	46
67	Pressure-induced semiconductor-to-metal phase transition of a charge-ordered indium halide perovskite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23404-23409.	3.3	45
68	Oxygen Vacancy-Driven Reversible Free Radical Catalysis for Environment-Adaptive Cancer Chemodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20943-20951.	7.2	44
69	Salt-inclusion chalcogenides: an emerging class of IR nonlinear optical materials. <i>Dalton Transactions</i> , 2020, 49, 14338-14343.	1.6	43
70	An electroactive single-atom copper anchored MXene nanohybrid filter for ultrafast water decontamination. <i>Journal of Materials Chemistry A</i> , 2021, 9, 25964-25973.	5.2	43
71	Electrochemical driven water oxidation by molecular catalysts in situ polymerized on the surface of graphite carbon electrode. <i>Chemical Communications</i> , 2015, 51, 7883-7886.	2.2	42
72	Tailored synthesis of nonlinear optical quaternary chalcogenides: Ba ₄ Ge ₃ S ₉ Cl ₂ , Ba ₄ Si ₃ Se ₉ Cl ₂ and Ba ₄ Ge ₃ Se ₉ Cl ₂ . <i>Dalton Transactions</i> , 2017, 46, 2715-2721.	1.6	42

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73	Liquid-like Interfaces Mediate Structural Phase Transitions in Lead Halide Perovskites. <i>Matter</i> , 2020, 3, 534-545.	5.0	42
74	Synergistic recycling and conversion of spent Li-ion battery leachate into highly efficient oxygen evolution catalysts. <i>Green Chemistry</i> , 2021, 23, 6538-6547.	4.6	42
75	Converting loess into zeolite for heavy metal polluted soil remediation based on "soil for soil-remediation" strategy. <i>Journal of Hazardous Materials</i> , 2021, 412, 125199.	6.5	42
76	Ba ₅ Cu ₈ In ₂ S ₁₂ : a quaternary semiconductor with a unique 3D copper-rich framework and ultralow thermal conductivity. <i>Chemical Communications</i> , 2017, 53, 2590-2593.	2.2	41
77	Non-centrosymmetric Selenides AZn ₄ In ₅ Se ₁₂ (A=Rb, Cs): Synthesis, Characterization and Nonlinear Optical Properties. <i>Chemistry - an Asian Journal</i> , 2017, 12, 453-458.	1.7	41
78	Thermodynamics and crystallization of a theophylline-salicylic acid cocrystal. <i>CrystEngComm</i> , 2015, 17, 4125-4135.	1.3	38
79	Low-Valence Metal Single Atoms on Graphdiyne Promotes Electrochemical Nitrogen Reduction via M ₂ -Backdonation. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	38
80	Catalytic Water Oxidation by a Molecular Ruthenium Complex: Unexpected Generation of a Single-Site Water Oxidation Catalyst. <i>Inorganic Chemistry</i> , 2015, 54, 4611-4620.	1.9	37
81	From Ru-bda to Ru-bds: a step forward to highly efficient molecular water oxidation electrocatalysts under acidic and neutral conditions. <i>Nature Communications</i> , 2021, 12, 373.	5.8	37
82	Improved Performance of Colloidal CdSe Quantum Dot-Sensitized Solar Cells by Hybrid Passivation. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18808-18815.	4.0	36
83	Synthesis and structure determination of potassium copper selenide nanowires and solid-state supercapacitor application. <i>Journal of Power Sources</i> , 2014, 268, 522-532.	4.0	36
84	A Cu ₂ -Based Nanoparticulate Film as Super-Active and Robust Catalyst Surpasses Pt for Electrochemical H ₂ Production from Neutral and Weak Acidic Aqueous Solutions. <i>Advanced Energy Materials</i> , 2016, 6, 1502319.	10.2	36
85	Copper(I)-Based Highly Emissive All-Inorganic Rare-Earth Halide Clusters. <i>Matter</i> , 2019, 1, 180-191.	5.0	35
86	Coupled Kinetics of Ferrihydrite Transformation and As(V) Sequestration under the Effect of Humic Acids: A Mechanistic and Quantitative Study. <i>Environmental Science & Technology</i> , 2018, 52, 11632-11641.	4.6	34
87	Defective analcime/geopolymer composite membrane derived from fly ash for ultrafast and highly efficient filtration of organic pollutants. <i>Journal of Hazardous Materials</i> , 2020, 388, 121736.	6.5	34
88	Enhanced Cr(VI) reduction on natural chalcopyrite mineral modulated by degradation intermediates of RhB. <i>Journal of Hazardous Materials</i> , 2022, 423, 127206.	6.5	34
89	Removal of microplastics and nanoplastics from urban waters: Separation and degradation. <i>Water Research</i> , 2022, 221, 118820.	5.3	34
90	PKU-3: An HCl-Inclusive Aluminoborate for Strecker Reaction Solved by Combining RED and PXRD. <i>Journal of the American Chemical Society</i> , 2015, 137, 7047-7050.	6.6	33

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91	Mn ₂ O ₃ hollow spheres synthesized based on an ion-exchange strategy from amorphous calcium carbonate for highly efficient trace-level uranyl extraction. <i>Environmental Science: Nano</i> , 2016, 3, 1254-1258.	2.2	32
92	High-efficiency core-shell magnetic heavy-metal absorbents derived from spent-LiFePO ₄ Battery. <i>Journal of Hazardous Materials</i> , 2021, 402, 123583.	6.5	32
93	Halide Homogenization for High-Performance Blue Perovskite Electroluminescence. <i>Research</i> , 2020, 2020, 9017871.	2.8	32
94	Integrating electrodeposition with electrolysis for closed-loop resource utilization of battery industrial wastewater. <i>Green Chemistry</i> , 2022, 24, 3208-3217.	4.6	32
95	Electronic and Structural Effects of Inner Sphere Coordination of Chloride to a Homoleptic Copper(II) Diimine Complex. <i>Inorganic Chemistry</i> , 2018, 57, 4556-4562.	1.9	31
96	Integrating high-efficiency oxygen evolution catalysts featuring accelerated surface reconstruction from waste printed circuit boards via a boriding recycling strategy. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120583.	10.8	31
97	Two excellent phase-matchable infrared nonlinear optical materials based on 3D diamond-like frameworks: RbGaSn ₂ Se ₆ and RbInSn ₂ Se ₆ . <i>Dalton Transactions</i> , 2017, 46, 7714-7721.	1.6	30
98	Protonation stabilized high As/F mobility red mud for Pb/As polluted soil remediation. <i>Journal of Hazardous Materials</i> , 2021, 404, 124143.	6.5	30
99	A facile, environmentally friendly synthesis of strong photo-emissive methylammonium lead bromide perovskite nanocrystals enabled by ionic liquids. <i>Green Chemistry</i> , 2020, 22, 3433-3440.	4.6	29
100	Aqueous Organometallic Chemistry. 2. ¹ H NMR Spectroscopic, Synthetic, and Structural Study of the Chemo- and Diastereoselective Reactions of [Cp* <i>Rh</i> (H ₂ O) ₃] ²⁺ with Nitrogen Ligands as a Function of pH. <i>Organometallics</i> , 1996, 15, 2009-2013.	1.1	28
101	One-step synthesis of water dispersible silica nanoplates. <i>Chemical Communications</i> , 2013, 49, 1300.	2.2	28
102	Transferring waste red mud into ferric oxide decorated ANA-type zeolite for multiple heavy metals polluted soil remediation. <i>Journal of Hazardous Materials</i> , 2022, 424, 127244.	6.5	28
103	Electrochemical Driven Phase Segregation Enabled Dual-Ion Removal Battery Deionization Electrode. <i>Nano Letters</i> , 2021, 21, 4830-4837.	4.5	27
104	Dipicolinic acid: a strong anchoring group with tunable redox and spectral behavior for stable dye-sensitized solar cells. <i>Chemical Communications</i> , 2015, 51, 3858-3861.	2.2	26
105	A Crystalline Mesoporous Germanate with 48 Å Ring Channels for CO ₂ Separation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7290-7294.	7.2	26
106	Hollow Iron-Vanadium Composite Spheres: A Highly Efficient Iron-Based Water Oxidation Electrocatalyst without the Need for Nickel or Cobalt. <i>Angewandte Chemie</i> , 2017, 129, 3337-3341.	1.6	26
107	Modular design of an efficient heterostructured FeS ₂ /TiO ₂ oxygen evolution electrocatalyst via sulfidation of natural ilmenites. <i>Journal of Materials Chemistry A</i> , 2021, 9, 25032-25041.	5.2	26
108	Water Oxidation Initiated by In Situ Dimerization of the Molecular Ru(pdc) Catalyst. <i>ACS Catalysis</i> , 2018, 8, 4375-4382.	5.5	25

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109	Interfacial engineering of CuFeS ₂ quantum dots via platinum decoration with enhanced Cr(VI) reduction dynamics under UV-Vis-NIR radiation. <i>Journal of Hazardous Materials</i> , 2022, 421, 126701.	6.5	25
110	Microporous core-shell Co ₁₁ (HPO ₃) ₈ (OH) ₆ /Co ₁₁ (PO ₃) ₈ O ₆ nanowires for highly efficient electrocatalytic oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118091.	10.8	24
111	Ruthenium Complex-Incorporated Two-Dimensional Metal-Organic Frameworks for Cocatalyst-Free Photocatalytic Proton Reduction from Water. <i>Inorganic Chemistry</i> , 2020, 59, 2379-2386.	1.9	24
112	Towards efficient and robust anodes for water splitting: Immobilization of Ru catalysts on carbon electrode and hematite by in situ polymerization. <i>Catalysis Today</i> , 2017, 290, 73-77.	2.2	22
113	Unlocking the electrocatalytic activity of natural chalcopyrite using mechanochemistry. <i>Journal of Energy Chemistry</i> , 2022, 68, 275-283.	7.1	22
114	Hydroxylamine mediated Fenton-like interfacial reaction dynamics on sea urchin-like catalyst derived from spent LiFePO ₄ battery. <i>Journal of Hazardous Materials</i> , 2022, 431, 128590.	6.5	22
115	A ruthenium water oxidation catalyst based on a carboxamide ligand. <i>Dalton Transactions</i> , 2016, 45, 3272-3276.	1.6	21
116	Sandwich crystals of butyl paraben. <i>CrystEngComm</i> , 2014, 16, 8863-8873.	1.3	19
117	Syntheses, structures, and thermoelectric properties of ternary tellurides: RECuTe ₂ (RE = Tb-Er). <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1273-1280.	3.0	19
118	Bandgap engineering of tetragonal phase CuFeS ₂ quantum dots via mixed-valence single-atomic Ag decoration for synergistic Cr(VI) reduction and RhB degradation. <i>Chinese Chemical Letters</i> , 2021, 32, 3450-3456.	4.8	19
119	In Situ-Fabricated Perovskite Nanocrystals for Deep-Blue Light-Emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10348-10353.	2.1	18
120	Plastic wastes derived carbon materials for green energy and sustainable environmental applications. <i>Journal of Energy Chemistry</i> , 2022, 1, 34-48.		17
121	Blue-Violet Emission with Near-Unity Photoluminescence Quantum Yield from Cu(I)-Doped Rb ₃ InCl ₆ Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7928-7934.	2.1	16
122	Construct Polyoxometalate Frameworks through Covalent Bonds. <i>Inorganic Chemistry</i> , 2015, 54, 8699-8704.	1.9	15
123	Eco-designed electrocatalysts for water splitting: A path toward carbon neutrality. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 6288-6307.	3.8	15
124	Superionic Adjustment Leading to Weakly Temperature-Dependent <i>ZT</i> Values in Bulk Thermoelectrics. <i>Inorganic Chemistry</i> , 2015, 54, 867-871.	1.9	14
125	Solid-State Preparation, Structural Characterization, Physical Properties, and Theoretical Studies of a Series of Novel Rare-Earth Metal Chalcogenides with Unprecedented Closed-Cavities. <i>Crystal Growth and Design</i> , 2019, 19, 444-452.	1.4	14
126	A highly efficient porous conductive polymer electrode for seawater desalination. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11811-11817.	5.2	14

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127	Decoding the Complex Free Radical Cascade by Using a DNA Framework-Based Artificial DNA Encoder. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10745-10755.	7.2	14
128	Dual-anion etching induced in situ interfacial engineering for high-efficiency oxygen evolution. <i>Chemical Engineering Journal</i> , 2022, 431, 134304.	6.6	14
129	Disorder in Extra-Large Pore Zeolite ITQ-33 Revealed by Single Crystal XRD. <i>Crystal Growth and Design</i> , 2013, 13, 4168-4171.	1.4	13
130	Layered $\text{V}^{\text{IV}}\text{O}$ polyoxometalate nets linked by diethylenetriamine complexes with dangling amine groups. <i>Dalton Transactions</i> , 2014, 43, 15283-15286.	1.6	13
131	Efficient molecular ruthenium catalysts containing anionic ligands for water oxidation. <i>Dalton Transactions</i> , 2016, 45, 18459-18464.	1.6	12
132	$(\text{Cs}_6\text{Cl})_6\text{Cs}_3[\text{Ga}_{53}\text{Se}_{96}]$: A Unique Long Period-Stacking Structure of Layers Made from Ga_2Se_6 Dimers via Cis or Trans Intralayer Linking. <i>Inorganic Chemistry</i> , 2016, 55, 1014-1016.	1.9	12
133	$\text{Cs}_2\text{InCl}_5(\text{H}_2\text{O})$: A moisture-stable defective double halide perovskite analogue with broadband emission. <i>Materials Letters</i> , 2020, 277, 128280.	1.3	12
134	Converting Spent LiFePO_4 Battery into Zeolitic Phosphate for Highly Efficient Heavy Metal Adsorption. <i>Inorganic Chemistry</i> , 2021, 60, 9496-9503.	1.9	12
135	The Central Role of Ligand Conjugation for Properties of Coordination Complexes as Hole-Transport Materials in Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 6768-6779.	2.5	11
136	Remediation of Cu-polluted soil with analcime synthesized from engineering abandoned soils through green chemistry approaches. <i>Journal of Hazardous Materials</i> , 2021, 406, 124673.	6.5	11
137	The Structure of a Complex Open-Framework Germanate Obtained by Combining Powder Charge-Flipping and Simulated Annealing. <i>Crystal Growth and Design</i> , 2012, 12, 4853-4860.	1.4	10
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