Gui-lin Zhuang

List of Publications by Year
in descending order

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194 papers	7,925 citations	46984 47 h-index	64755 79 g-index
202 all docs	202 docs citations	202 times ranked	9563 citing authors

#	Article	IF	Citations
1	Probing the catalytic activity of porous graphene oxide and the origin of this behaviour. Nature Communications, 2012, 3, 1298.	5.8	538
2	A superior fluorescent sensor for Al³⁺ and UO₂²⁺ based on a Co(<scp>ii</scp>) metalâ€“organic framework with exposed pyrimidyl Lewis base sites. Journal of Materials Chemistry A, 2017, 5, 13079-13085.	5.2	287
3	Hierarchical Porous NC@CuCo Nitride Nanosheet Networks: Highly Efficient Bifunctional Electrocatalyst for Overall Water Splitting and Selective Electrooxidation of Benzyl Alcohol. Advanced Functional Materials, 2017, 27, 1704169.	7.8	267
4	A Gigantic Molecular Wheel of {Gd₁₄₀}: A New Member of the Molecular Wheel Family. Journal of the American Chemical Society, 2017, 139, 18178-18181.	6.6	229
5	Photo-generated dinuclear {Eu(II)}2 active sites for selective CO2 reduction in a photosensitizing metal-organic framework. Nature Communications, 2018, 9, 3353.	5.8	195
6	Multicoloredâ€Fluorescence Switching of ICTâ€Type Organic Solids with Clear Color Difference: Mechanically Controlled Excited State. Chemistry - A European Journal, 2015, 21, 2474-2479.	1.7	189
7	Mo Doping Induced More Active Sites in Urchinâ€Like W₁₈O₄₉ Nanostructure with Remarkably Enhanced Performance for Hydrogen Evolution Reaction. Advanced Functional Materials, 2016, 26, 5778-5786.	7.8	177
8	Oxygen vacancies on TiO₂ promoted the activity and stability of supported Pd nanoparticles for the oxygen reduction reaction. Journal of Materials Chemistry A, 2018, 6, 2264-2272.	5.2	163
9	Integrating cobalt phosphide and cobalt nitride-embedded nitrogen-rich nanocarbons: high-performance bifunctional electrocatalysts for oxygen reduction and evolution. Journal of Materials Chemistry A, 2016, 4, 10575-10584.	5.2	141
10	Biomass Valorization via Paired Electrosynthesis Over Vanadium Nitrideâ€Based Electrocatalysts. Advanced Functional Materials, 2019, 29, 1904780.	7.8	120
11	In Situ Construction of Three Anion-Dependent Cu(I) Coordination Networks as Promising Heterogeneous Catalysts for Azideâ€“Alkyne â€œClickâ€•Reactions. Inorganic Chemistry, 2015, 54, 4737-4743.	1.9	111
12	ZIF-67/COF-derived highly dispersed Co3O4/N-doped porous carbon with excellent performance for oxygen evolution reaction and Li-ion batteries. Chemical Engineering Journal, 2017, 330, 1255-1264.	6.6	110
13	H-Bond-Mediated Selectivity Control of Formate versus CO during CO₂ Photoreduction with Two Cooperative Cu/X Sites. Journal of the American Chemical Society, 2021, 143, 6114-6122.	6.6	105
14	Dual Catalysis for the Redox Annulation of Nitroalkynes with Indoles: Enantioselective Construction of Indolinâ€3â€ones Bearing Quaternary Stereocenters. Angewandte Chemie - International Edition, 2015, 54, 11205-11208.	7.2	104
15	Mo2TiC2 MXene: A Promising Catalyst for Electrocatalytic Ammonia Synthesis. Catalysis Today, 2020, 339, 120-126.	2.2	102
16	Photoconductive Curvedâ€Nanographene/Fullerene Supramolecular Heterojunctions. Angewandte Chemie - International Edition, 2019, 58, 6244-6249.	7.2	99
17	A Large Ï€â€Extended Carbon Nanoring Based on Nanographene Units: Bottomâ€Up Synthesis, Photophysical Properties, and Selective Complexation with Fullerene C₇₀. Angewandte Chemie - International Edition, 2017, 56, 158-162.	7.2	95
18	Catalytic benzene oxidation by biogenic Pd nanoparticles over 3D-ordered mesoporous CeO2. Chemical Engineering Journal, 2019, 362, 41-52.	6.6	95

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19	PtPd alloy embedded in nitrogen-rich graphene nanopores: High-performance bifunctional electrocatalysts for hydrogen evolution and oxygen reduction. Carbon, 2017, 114, 740-748.	5.4	94
20	A green and facile self-assembly preparation of gold nanoparticles/ZnO nanocomposite for photocatalytic and photoelectrochemical applications. Journal of Materials Chemistry, 2012, 22, 2868.	6.7	90
21	Highly Efficient Ammonia Synthesis Electrocatalyst: Single Ru Atom on Naturally Nanoporous Carbon Materials. Advanced Theory and Simulations, 2018, 1, 1800018.	1.3	90
22	Selective phenol hydrogenation to cyclohexanone over alkaliâ€“metal-promoted Pd/TiO₂ in aqueous media. Green Chemistry, 2017, 19, 3585-3594.	4.6	88
23	Enhanced role of Al or Ga-doped graphene on the adsorption and dissociation of N2O under electric field. Physical Chemistry Chemical Physics, 2011, 13, 12472.	1.3	87
24	Selective Synthesis of Conjugated Chiral Macrocycles: Sidewall Segments of (â^')/(+)â€(12,4) Carbon Nanotubes with Strong Circularly Polarized Luminescence. Angewandte Chemie - International Edition, 2020, 59, 1619-1626.	7.2	85
25	Heating and mechanical force-induced luminescence onâ€“off switching of arylamine derivatives with highly distorted structures. Journal of Materials Chemistry C, 2014, 2, 195-200.	2.7	83
26	Single and double boron atoms doped nanoporous C₂Nâ€“h2D electrocatalysts for highly efficient N₂ reduction reaction: a density functional theory study. Nanotechnology, 2019, 30, 335403.	1.3	81
27	Oxygen vacancy enhancing mechanism of nitrogen reduction reaction property in Ru/TiO2. Journal of Energy Chemistry, 2019, 39, 144-151.	7.1	79
28	A theoretical study of electrocatalytic ammonia synthesis on single metal atom/MXene. Chinese Journal of Catalysis, 2019, 40, 152-159.	6.9	76
29	A Threeâ€Dimensional Capsuleâ€like Carbon Nanocage as a Segment Model of Capped Zigzag [12,0] Carbon Nanotubes: Synthesis, Characterization, and Complexation with C₇₀. Angewandte Chemie - International Edition, 2018, 57, 9330-9335.	7.2	75
30	Mechanochromic and thermochromic fluorescent properties ofÂcyanostilbene derivatives. Dyes and Pigments, 2013, 98, 486-492.	2.0	74
31	Temperature-dependent conductivity of Emim+ (Emim+ = 1-ethyl-3-methyl imidazolium) confined in channels of a metalâ€“organic framework. Chemical Communications, 2011, 47, 11933.	2.2	73
32	Defect engineering of nickel hydroxide nanosheets by Ostwald ripening for enhanced selective electrocatalytic alcohol oxidation. Green Chemistry, 2019, 21, 578-588.	4.6	71
33	Electrocatalytic Upgrading of Ligninâ€Derived Bioâ€Oil Based on Surfaceâ€Engineered PtNiB Nanostructure. Advanced Functional Materials, 2019, 29, 1807651.	7.8	70
34	NiFe/Î³-Al2O3: A universal catalyst for the hydrodeoxygenation of bio-oil and its model compounds. Catalysis Communications, 2013, 41, 34-37.	1.6	66
35	Highâ€Nuclear Organometallic Copper(I)â€“Alkynide Clusters: Thermochromic Nearâ€Infrared Luminescence and Solution Stability. Chemistry - A European Journal, 2016, 22, 17619-17626.	1.7	65
36	TiO 2 nanobelts with a uniform coating of g-C 3 N 4 as a highly effective heterostructure for enhanced photocatalytic activities. Journal of Solid State Chemistry, 2014, 220, 54-59.	1.4	63

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37	Carboxylic acid stimulated silver shell isomerism in a triple coreâ€“shell Ag₈₄ nanocluster. Chemical Science, 2019, 10, 4862-4867.	3.7	63
38	Functionalization Ti3C2 MXene by the adsorption or substitution of single metal atom. Applied Surface Science, 2019, 465, 911-918.	3.1	63
39	Synergistic Effect of Nitrogen in Cobalt Nitride and Nitrogenâ€Doped Hollow Carbon Spheres for the Oxygen Reduction Reaction. ChemCatChem, 2015, 7, 1826-1832.	1.8	62
40	Magnetic Properties of a Singleâ€Molecule Lanthanideâ€“Transitionâ€Metal Compound Containing 52 Gadolinium and 56 Nickel Atoms. Angewandte Chemie - International Edition, 2016, 55, 4532-4536.	7.2	60
41	Unusual fcc-structured Ag₁₀ kernels trapped in Ag₇₀ nanoclusters. Chemical Science, 2019, 10, 564-568.	3.7	60
42	Robust Cluster Building Unit: Icosanuclear Heteropolyoxocopperate Templated by Carbonate. Chemistry - A European Journal, 2015, 21, 18847-18854.	1.7	56
43	Two nanosized 3dâ€“4f clusters featuring four Ln₆ octahedra encapsulating a Zn₄ tetrahedron. Chemical Communications, 2015, 51, 10687-10690.	2.2	53
44	Synergistic effect of S,N-co-doped mesoporous carbon materials with high performance for oxygen-reduction reaction and Li-ion batteries. Journal of Materials Chemistry A, 2015, 3, 20244-20253.	5.2	53
45	A Large Ï€â€Extended Carbon Nanoring Based on Nanographene Units: Bottomâ€Up Synthesis, Photophysical Properties, and Selective Complexation with Fullerene C 70. Angewandte Chemie, 2017, 129, 164-168.	1.6	52
46	A highly robust heterometallic Tb^{III}/Ni^{II}â€“organic framework for C₂ hydrocarbon separation and capture. Chemical Communications, 2020, 56, 2047-2050.	2.2	52
47	High-Throughput Screening of Hydrogen Evolution Reaction Catalysts in MXene Materials. Journal of Physical Chemistry C, 2020, 124, 13695-13705.	1.5	51
48	Effects of surface functionalization of mxene-based nanocatalysts on hydrogen evolution reaction performance. Catalysis Today, 2021, 368, 187-195.	2.2	51
49	Improved Oxygen Reduction Reaction Performance of Co Confined in Ordered N-Doped Porous Carbon Derived from ZIF-67@PILs. Industrial & Engineering Chemistry Research, 2017, 56, 11100-11110.	1.8	50
50	Optimizing Alkyne Hydrogenation Performance of Pd on Carbon in Situ Decorated with Oxygen-Deficient TiO₂ by Integrating the Reaction and Diffusion. ACS Catalysis, 2019, 9, 10656-10667.	5.5	50
51	Insights into Magnetic Interactions in a Monodisperse Gd₁₂Fe₁₄ Metal Cluster. Angewandte Chemie - International Edition, 2017, 56, 11475-11479.	7.2	48
52	Encapsulating a Ni(II) molecular catalyst in photoactive metalâ€“organic framework for highly efficient photoreduction of CO2. Science Bulletin, 2019, 64, 976-985.	4.3	48
53	Effect of lanthanide contraction on crystal structures of lanthanide coordination polymers with 2,5-piperazinedione-1,4-diacetic acid. CrystEngComm, 2010, 12, 2691.	1.3	46
54	An unexpected dual-emissive luminogen with tunable aggregation-induced emission and enhanced chiroptical property. Nature Communications, 2022, 13, .	5.8	45

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55	Two Three-Dimensional 2pâ"3dâ"4f Heterometallic Frameworks Featuring a Ln₆Cu₂₄Na₁₂ Cluster as a Node. Inorganic Chemistry, 2011, 50, 3843-3845.	1.9	44
56	Simultaneous electrochemical ozone production and hydrogen evolution by using tantalum-based nanorods electrocatalysts. Applied Catalysis B: Environmental, 2020, 266, 118632.	10.8	42
57	A Highly Strained Allâ€Phenylene Conjoined Bismacrocycle. Angewandte Chemie - International Edition, 2021, 60, 17368-17372.	7.2	42
58	A Long Ï€-Conjugated Poly(para-Phenylene)-Based Polymeric Segment of Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2019, 141, 18938-18943.	6.6	41
59	Hydrogen peroxide electrochemical synthesis on hybrid double-atom (Pdâ€"Cu) doped N vacancy g-C₃N₄: a novel design strategy for electrocatalyst screening. Journal of Materials Chemistry A, 2020, 8, 2672-2683.	5.2	40
60	A DFT study of gas molecules adsorption on the anatase (001) nanotube arrays. Computational Materials Science, 2013, 67, 174-181.	1.4	39
61	Unconventional Method for Fabricating Valence Tautomeric Materials: Integrating Redox Center within a Metalâ€"Organic Framework. Journal of the American Chemical Society, 2019, 141, 6822-6826.	6.6	39
62	Pt@Au Nanorods Uniformly Decorated on Pyridyne Cycloaddition Graphene as a Highly Effective Electrocatalyst for Oxygen Reduction. ACS Applied Materials & Interfaces, 2014, 6, 13448-13454.	4.0	38
63	A Threeâ€Dimensional Capsuleâ€like Carbon Nanocage as a Segment Model of Capped Zigzag [12,0] Carbon Nanotubes: Synthesis, Characterization, and Complexation with C₇₀. Angewandte Chemie, 2018, 130, 9474-9479.	1.6	38
64	Selective Synthesis of Conjugated Chiral Macrocycles: Sidewall Segments of (â"Ž)/(+)â€(12,4) Carbon Nanotubes with Strong Circularly Polarized Luminescence. Angewandte Chemie, 2020, 132, 1636-1643.	1.6	38
65	Synthesis, Structures, and Magnetic Properties of Three Decanuclear Ln₂Cu₈ Clusters of Alkylsulfonate. Crystal Growth and Design, 2013, 13, 2493-2498.	1.4	37
66	Magnetic and thermal properties of three ionothermally synthesized metalâ€"carboxylate frameworks of [M3(ip)4][EMIm]2 (M = Co, Ni, Mn, H2ip = isophthalic acid, EMIm = 1-ethyl-3-methyl imidazolium). Dalton Transactions, 2011, 40, 10237.	1.6	36
67	Double Nanoporous Structure with Nanoporous PtFe Embedded in Graphene Nanopores: Highly Efficient Bifunctional Electrocatalysts for Hydrogen Evolution and Oxygen Reduction. Advanced Materials Interfaces, 2017, 4, 1601029.	1.9	36
68	Tuning the confinement space of N-carbon shell-coated ruthenium nanoparticles: highly efficient electrocatalysts for hydrogen evolution reaction. Catalysis Science and Technology, 2017, 7, 4964-4970.	2.1	36
69	Near-Infrared Emitters: Stepwise Assembly of Two Heteropolynuclear Clusters with Tunable Ag^I:Zn^{II} Ratio. Inorganic Chemistry, 2016, 55, 4757-4763.	1.9	35
70	A hexadecanuclear silver alkynyl cluster based NbO framework with triple emissions from the visible to near-infrared II region. Chemical Communications, 2018, 54, 11905-11908.	2.2	35
71	Multifunctional luminescent magnetic cryocooler in a Gd₅Mn₂ pyramidal complex. Chemical Communications, 2018, 54, 4104-4107.	2.2	34
72	Pyridyne cycloaddition of graphene: â€œexternalâ€•active sites for oxygen reduction reaction. Journal of Materials Chemistry A, 2014, 2, 897-901.	5.2	33

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73	Series of Highly Stable Lanthanide-Organic Frameworks Constructed by a Bifunctional Linker: Synthesis, Crystal Structures, and Magnetic and Luminescence Properties. Inorganic Chemistry, 2018, 57, 2577-2583.	1.9	33
74	A strain-controlled C2N monolayer membrane for gas separation in PEMFC application. Applied Surface Science, 2018, 441, 408-414.	3.1	33
75	Combining N,S-Codoped C and CeO₂: A Unique Hinge-like Structure for Efficient Photocatalytic Hydrogen Evolution. Inorganic Chemistry, 2020, 59, 937-942.	1.9	33
76	Trace water triggers high-efficiency photocatalytic hydrogen peroxide production. Journal of Energy Chemistry, 2022, 64, 47-54.	7.1	33
77	Enhanced Selectivity of Phenol Hydrogenation in Low-Pressure CO₂ over Supported Pd Catalysts. ACS Sustainable Chemistry and Engineering, 2017, 5, 11628-11636.	3.2	30
78	Photoconductive Curvedâ€Nanographene/Fullerene Supramolecular Heterojunctions. Angewandte Chemie, 2019, 131, 6310-6315.	1.6	30
79	Role of pretreatment with acid and base on the distribution of the products obtained via lignocellulosic biomass pyrolysis. RSC Advances, 2015, 5, 24984-24989.	1.7	28
80	Precise synthesis and photophysical properties of a small chiral carbon nanotube segment: cyclo[7]paraphenylene-2,6-naphthylene. Chemical Communications, 2019, 55, 9456-9459.	2.2	28
81	Efficient photocatalytic reduction of CO2 using Fe-based covalent triazine frameworks decorated with in situ grown ZnFe2O4 nanoparticles. Chemical Engineering Journal, 2021, 408, 127358.	6.6	28
82	Spatially Separated Photoinduced Charge Carriers for the Enhanced Photocatalysis Over the One-Dimensional Yolkâ€“Shell In₂Se₃@N-C Nanoreactor. ACS Catalysis, 2021, 11, 12931-12939.	5.5	28
83	Preparation and catalytic properties of Pd nanoparticles supported on micro-crystal DUT-67 MOFs. RSC Advances, 2015, 5, 32714-32719.	1.7	27
84	Fabrication of Pd/In₂O₃ Nanocatalysts Derived from MIL-68(In) Loaded with Molecular Metalloporphyrin (TCPP(Pd)) Toward CO₂ Hydrogenation to Methanol. ACS Catalysis, 2022, 12, 709-723.	5.5	27
85	Atomically dispersed Pd catalysts in graphyne nanopore: formation and reactivity. Nanotechnology, 2017, 28, 295403.	1.3	26
86	A novel symmetrically multifunctionalized dodecamethoxy-cycloparaphenylene: synthesis, photophysical, and supramolecular properties. Organic Chemistry Frontiers, 2018, 5, 1446-1451.	2.3	26
87	Experimental and theoretical demonstration of ferroelectric anisotropy in a one-dimensional copper(ii)-based coordination polymer. Chemical Communications, 2009, , 1644.	2.2	25
88	A nanosized Gd6Ni3 cluster-based heterometallic coordination polymer. Dalton Transactions, 2010, 39, 5077.	1.6	25
89	Nanosized Chiral [Mn₆Ln₂] Clusters Modeled by Enantiomeric Schiff Base Derivatives: Synthesis, Crystal Structures, and Magnetic Properties. Inorganic Chemistry, 2018, 57, 8639-8645.	1.9	25
90	The synthesis of a 3dâ€“4f polynuclear metal cluster under microwave irradiation: crystal structure and magnetic property of [La3Ni6(IDA)6(OH)6(H2O)12]Â·3NO3Â·15H2O (IDA = iminodiacetate). Dalton Transactions, 2009, , 4640.	1.6	24

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91	Oxygen Groups Enhancing the Mechanism of Nitrogen Reduction Reaction Properties on Ru- or Fe-Supported Nb₂C MXene. Journal of Physical Chemistry C, 2021, 125, 14636-14645.	1.5	24
92	Hierarchical tandem assembly of planar [3Ã—3] building units into {3Ã—[3Ã—3]} oligomers: mixed-valency, electrical conductivity and magnetism. Chemical Science, 2018, 9, 7498-7504.	3.7	23
93	Synthesis of Giant Ï€â€Extended Molecular Macrocyclic Rings as Finite Models of Carbon Nanotubes Displaying Enriched Sizeâ€Dependent Physical Properties. Chemistry - A European Journal, 2020, 26, 2159-2163.	1.7	23
94	Octanuclear Ni(<scp>ii</scp>) cubes based on halogen-substituted pyrazolates: synthesis, structure, electrochemistry and magnetism. CrystEngComm, 2016, 18, 3462-3471.	1.3	22
95	Enantioselective Allylic Substitution of Moritaâ€“Baylisâ€“Hillman Adducts Catalyzed by Chiral Bifunctional Ferrocenylphosphines. European Journal of Organic Chemistry, 2016, 2016, 2139-2144.	1.2	22
96	Magnetic Interaction Affecting the Zero-Field Single-Molecule Magnet Behaviors in Isomorphic {Ni^{II}₂Dy^{III}₂} and {Co^{II}₂Dy^{III}₂} Tetranuclear Complexes. Inorganic Chemistry, 2017, 56, 11387-11397.	1.9	22
97	Palladium Dimer Supported on Mo₂CO₂(MXene) for Direct Methane to Methanol Conversion. Advanced Theory and Simulations, 2019, 2, 1800158.	1.3	22
98	Building highly active hybrid doubleâ€“atom sites in C2N for enhanced electrocatalytic hydrogen peroxide synthesis. Green Energy and Environment, 2021, 6, 846-857.	4.7	22
99	In Situ Fabrication of PtCo Alloy Embedded in Nitrogenâ€Doped Graphene Nanopores as Synergistic Catalyst for Oxygen Reduction Reaction. Advanced Materials Interfaces, 2015, 2, 1500365.	1.9	21
100	Sophisticated Construction of Electronically Labile Materials: A Neutral, Radical-Rich, Cobalt Valence Tautomeric Triangle. Journal of the American Chemical Society, 2018, 140, 14581-14585.	6.6	21
101	The Mechanism of the Magnetodielectric Response in a Moleculeâ€Based Trinuclear Iron Cluster Material. Angewandte Chemie - International Edition, 2020, 59, 14409-14413.	7.2	21
102	Anion-Dependent Assembly of 3dâ€“4f Heterometallic Clusters Ln₅Cr₂ and Ln₈Cr₄. Inorganic Chemistry, 2020, 59, 1959-1966.	1.9	21
103	Enantioselective Recognition and Separation of C₂ Symmetric Substances via Chiral Metalâ€“Organic Frameworks. ACS Applied Materials & Interfaces, 2021, 13, 37412-37421.	4.0	21
104	Magnetocaloric Effect and Slow Magnetic Relaxation on Two-Dimensional Layered 3d-4f Cluster-Based Metalâ€“Organic Frameworks. Crystal Growth and Design, 2020, 20, 4005-4012.	1.4	20
105	Synthesis of a magnetic Ï€-extended carbon nanosolenoid with Riemann surfaces. Nature Communications, 2022, 13, 1239.	5.8	20
106	In situ cyclodehydration of iminodiacetic acid into 2,5-diketopiperazine-1,4-diacetate in lanthanide-based coordination polymers. Dalton Transactions, 2009, , 1707.	1.6	19
107	CO Oxidation by Lattice Oxygen on V₂O₅ Nanotubes. Journal of Physical Chemistry C, 2011, 115, 14806-14811.	1.5	19
108	Control of Selfâ€Assembled 2D Nanostructures by Methylation of Guanine. Small, 2011, 7, 939-949.	5.2	19

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109	Nuclearity enlargement from [PW9O34@Ag51] to [(PW9O34)2@Ag72] and 2D and 3D network formation driven by bipyridines. Nature Communications, 2022, 13, 1802.	5.8	19
110	A radar-like iron based nanohybrid as an efficient and stable electrocatalyst for oxygen reduction. Journal of Materials Chemistry A, 2014, 2, 6703-6707.	5.2	18
111	The Effect of Nâ€Containing Supports on Catalytic CO Oxidation Activity over Highly Dispersed Pt/UiOâ€67. European Journal of Inorganic Chemistry, 2017, 2017, 172-178.	1.0	18
112	Multifunctionalized octamethoxy-[8]cycloparaphenylene: facile synthesis and analysis of novel photophysical and photoinduced electron transfer properties. Organic Chemistry Frontiers, 2019, 6, 1885-1890.	2.3	18
113	Hydrogen peroxide synthesis on porous graphitic carbon nitride using water as a hydrogen source. Journal of Materials Chemistry A, 2020, 8, 124-137.	5.2	18
114	Integration of bio-inspired lanthanide-transition metal cluster and P-doped carbon nitride for efficient photocatalytic overall water splitting. National Science Review, 2021, 8, nwaa234.	4.6	18
115	Tuning the (Chir)Optical Properties and Squeezing out the Inherent Chirality in Polyphenyleneâ€Locked Helical Carbon Nanorings. Chemistry - A European Journal, 2022, 28, .	1.7	18
116	Position of substituent dependent dimensionality in Lnâ€“Cu heterometallic coordination polymers. CrystEngComm, 2012, 14, 679-683.	1.3	16
117	Synthesis, properties, and magnetismâ€“structure relationship of lanthanide-based metalâ€“organic frameworks with (ethylenedithio)acetic acid. CrystEngComm, 2014, 16, 6963.	1.3	16
118	Enhanced Catalytic Performances for Guaiacol Aqueous Phase Hydrogenation over Ruthenium Supported on Mesoporous TiO₂ Hollow Spheres Embedded with SiO₂ Nanoparticles. ChemistrySelect, 2017, 2, 9599-9606.	0.7	16
119	Synthesis and properties of a nanographene-embedded conjugated macrocyclic nanoring via the Scholl reaction. Chemical Communications, 2021, 57, 9104-9107.	2.2	16
120	The ionothermal synthesis, structure, and magnetismâ€“structure relationship of two biphenyl tetracarboxylic acid-based metalâ€“organic frameworks. Dalton Transactions, 2014, 43, 16515-16521.	1.6	15
121	Twin-like ternary PtCoFe alloy in nitrogen-doped graphene nanopores as a highly effective electrocatalyst for oxygen reduction. Catalysis Science and Technology, 2016, 6, 5942-5948.	2.1	15
122	Dual effect of the coordination field and sulphuric acid on the properties of a single-atom catalyst in the electrosynthesis of H₂O₂. Physical Chemistry Chemical Physics, 2021, 23, 21338-21349.	1.3	15
123	Multifaceted Bicubane Co4Clusters: Magnetism, Photocatalytic Oxygen Evolution, and Electrical Conductivity. European Journal of Inorganic Chemistry, 2016, 2016, 3253-3261.	1.0	14
124	Trace phosphorusâ˜doping significantly improving S-content of binaryâ˜doped mesoporous carbon network with enhancing electrochemical performance. Microporous and Mesoporous Materials, 2018, 256, 75-83.	2.2	14
125	Through-space Ï€-delocalization in a conjugated macrocycle consisting of [2.2]paracyclophane. Chemical Communications, 2019, 55, 14617-14620.	2.2	14
126	Geometric and electronic effects on the performance of a bifunctional Ru2P catalyst in the hydrogenation and acceptorless dehydrogenation of N-heteroarenes. Chinese Journal of Catalysis, 2021, 42, 1185-1194.	6.9	14

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127	Tuning the catalytic property of TiO2 nanotube arrays for water splitting. International Journal of Hydrogen Energy, 2013, 38, 2095-2105.	3.8	13
128	Effect of graphene with nanopores on metal clusters. Physical Chemistry Chemical Physics, 2015, 17, 24420-24426.	1.3	13
129	Synthesis, crystal structure and luminescence studies of zinc(<scp>ii</scp>) and cadmium(<scp>ii</scp>) complexes with 6-(1H-tetrazol-5-yl)-2-naphthoic acid. CrystEngComm, 2016, 18, 6396-6402.	1.3	13
130	Multiscale Simulation on Product Distribution from Pyrolysis of Styrene-Butadiene Rubber. Polymers, 2019, 11, 1967.	2.0	13
131	Defect CTF derived Ru-based catalysts for high performance overall water splitting reaction. Journal of Energy Chemistry, 2020, 50, 135-142.	7.1	13
132	Bovine serum albumin templated porous CeO2 to support Au catalyst for benzene oxidation. Molecular Catalysis, 2020, 486, 110849.	1.0	13
133	Regulating the Electronic Structure and Active Sites in Ni Nanoparticles by Coating N-Doped C Layer and Porous Structure for an Efficient Overall Water Splitting. Inorganic Chemistry, 2021, 60, 6764-6771.	1.9	13
134	High electrocatalytical performance of FeCoNiCuPd high-entropy alloy for nitrogen reduction reaction. Molecular Catalysis, 2022, 519, 112141.	1.0	13
135	Enhancing mechanism of electron-deficient p states on photocatalytic activity of g-C₃N₄ for CO₂ reduction. Journal of Materials Chemistry A, 2022, 10, 9565-9574.	5.2	13
136	Coronal multi-walled silicon nanotubes. Journal of Energy Chemistry, 2013, 22, 408-412.	7.1	12
137	The effect of earth metal ion on the property of peptide-based metalâ€“organic frameworks. CrystEngComm, 2013, 15, 5545.	1.3	12
138	A series of transition metal coordination polymers based on a rigid bi-functional carboxylateâ€“triazolate tecton. CrystEngComm, 2017, 19, 4586-4594.	1.3	12
139	Temperature dependence of spherical electron transfer in a nanosized [Fe14] complex. Nature Communications, 2019, 10, 5510.	5.8	12
140	High-performance single-atom Ni catalyst loaded graphyne for H2O2 green synthesis in aqueous media. Journal of Colloid and Interface Science, 2021, 599, 58-67.	5.0	12
141	Solvent-free catalytic dehydrative etherification of benzyl alcohol over graphene oxide. Chemical Physics Letters, 2013, 583, 146-150.	1.2	11
142	Geometric and electronic properties of graphene modified by â€œexternalâ€•N-containing groups. Physical Chemistry Chemical Physics, 2014, 16, 20749-20754.	1.3	11
143	A Highly Strained Allâ€Phenylene Conjoined Bismacrocycle. Angewandte Chemie, 2021, 133, 17508-17512.	1.6	11
144	Family of Nanoclusters, Ln₃₃ (Ln = Sm/Eu) and Gd₃₂, Exhibiting Magnetocaloric Effects and Fluorescence Sensing for MnO₄^{â€“}. Inorganic Chemistry, 2022, 61, 8861-8869.	1.9	11

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