

Gui-lin Zhuang

List of Publications by Year in descending order

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194
papers

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46984

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docs citations

202
times ranked

9563
citing authors

#	ARTICLE	IF	CITATIONS
1	Trace water triggers high-efficiency photocatalytic hydrogen peroxide production. <i>Journal of Energy Chemistry</i> , 2022, 64, 47-54.	7.1	33
2	Facile one-pot synthesis of a novel all-carbon stair containing dimerized pentalene core from alkyne. <i>Chinese Chemical Letters</i> , 2022, 33, 2047-2051.	4.8	3
3	Tuning the (Chir)Optical Properties and Squeezing out the Inherent Chirality in Polyphenylene-locked Helical Carbon Nanorings. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	18
4	The synergetic effect of an aqua ligand and metal site on the performance of single-atom catalysts in H ₂ O ₂ synthesis: a density functional theory study. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 3905-3917.	1.3	1
5	Synergistic Effect of Coordination Fields and Hydrosolvents on the Single-Atom Catalytic Property in H ₂ O ₂ Synthesis: A Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2349-2364.	1.5	9
6	High electrocatalytic performance of FeCoNiCuPd high-entropy alloy for nitrogen reduction reaction. <i>Molecular Catalysis</i> , 2022, 519, 112141.	1.0	13
7	Enhancing mechanism of electron-deficient p states on photocatalytic activity of g-C ₃ N ₄ for CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9565-9574.	5.2	13
8	Synthesis of a magnetic π -extended carbon nanosolenoid with Riemann surfaces. <i>Nature Communications</i> , 2022, 13, 1239.	5.8	20
9	Facile Synthesis of a Conjugated Macrocyclic Nanoring with Graphenic Hexabenzocoronene Sidewall as the Segment of [12,12] Carbon Nanotubes. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	9
10	Nuclearity enlargement from [PW ₉ O ₃₄ @Ag ₅₁] to [(PW ₉ O ₃₄) ₂ @Ag ₇₂] and 2D and 3D network formation driven by bipyridines. <i>Nature Communications</i> , 2022, 13, 1802.	5.8	19
11	Cooperatively interface role of surface atoms and aqueous media on single atom catalytic property for H ₂ O ₂ synthesis. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 752-763.	5.0	10
12	Fabrication of Pd/In ₂ O ₃ Nanocatalysts Derived from MIL-68(In) Loaded with Molecular Metalloporphyrin (TCPP(Pd)) Toward CO ₂ Hydrogenation to Methanol. <i>ACS Catalysis</i> , 2022, 12, 709-723.	5.5	27
13	Computational screening of O-functional MXenes for electrocatalytic ammonia synthesis. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1860-1869.	6.9	9
14	Family of Nanoclusters, Ln ₃₃ (Ln = Sm/Eu) and Gd ₃₂ , Exhibiting Magnetocaloric Effects and Fluorescence Sensing for MnO ₄ ⁻ . <i>Inorganic Chemistry</i> , 2022, 61, 8861-8869.	1.9	11
15	An unexpected dual-emissive luminogen with tunable aggregation-induced emission and enhanced chiroptical property. <i>Nature Communications</i> , 2022, 13, .	5.8	45
16	Effect of Orbital-Symmetry Matching in a Metal-Organic Framework for Highly Efficient C ₂ H ₂ /C ₂ H ₄ and C ₂ H ₂ /CO ₂ Separations. <i>Inorganic Chemistry</i> , 2022, 61, 10263-10266.	1.9	3
17	Integration of bio-inspired lanthanide-transition metal cluster and P-doped carbon nitride for efficient photocatalytic overall water splitting. <i>National Science Review</i> , 2021, 8, nwa234.	4.6	18
18	Effects of surface functionalization of mxene-based nanocatalysts on hydrogen evolution reaction performance. <i>Catalysis Today</i> , 2021, 368, 187-195.	2.2	51

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19	Efficient photocatalytic reduction of CO ₂ using Fe-based covalent triazine frameworks decorated with in situ grown ZnFe ₂ O ₄ nanoparticles. <i>Chemical Engineering Journal</i> , 2021, 408, 127358.	6.6	28
20	Dual effect of the coordination field and sulphuric acid on the properties of a single-atom catalyst in the electrosynthesis of H ₂ O ₂ . <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21338-21349.	1.3	15
21	Synthesis and properties of a nanographene-embedded conjugated macrocyclic nanoring <i>via</i> the Scholl reaction. <i>Chemical Communications</i> , 2021, 57, 9104-9107.	2.2	16
22	Thermally induced transformation of a Cu ₄ Ir ₄ -based cluster to a Cu ₂ Ir ₂ -based cluster under mild conditions. <i>Dalton Transactions</i> , 2021, 50, 9016-9020.	1.6	4
23	Collaboratively boosting charge transfer and CO ₂ chemisorption of SnO ₂ to selectively reduce CO ₂ to HCOOH. <i>Chemical Communications</i> , 2021, 57, 8636-8639.	2.2	9
24	A first-principles study of reaction mechanism over carbon decorated oxygen-deficient TiO ₂ supported Pd catalyst in direct synthesis of H ₂ O ₂ . <i>Chinese Journal of Chemical Engineering</i> , 2021, 31, 126-134.	1.7	10
25	Role of the Auxiliary Ligand in the Spontaneous Resolution of Enantiomers in Three-Dimensional Coordination Polymers. <i>Inorganic Chemistry</i> , 2021, 60, 6981-6985.	1.9	6
26	Synthesis and Photophysical Properties of [3]Cyclo-1,8-pyrenes via [4 + 2] Cycloaddition Reaction. <i>Journal of Organic Chemistry</i> , 2021, 86, 7038-7045.	1.7	6
27	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. <i>Inorganic Chemistry</i> , 2021, 60, 6764-6771.	1.9	13
28	H-Bond-Mediated Selectivity Control of Formate versus CO during CO ₂ Photoreduction with Two Cooperative Cu/X Sites. <i>Journal of the American Chemical Society</i> , 2021, 143, 6114-6122.	6.6	105
29	A Highly Strained All-Phenylene Conjoined Bismacrocyclic. <i>Angewandte Chemie</i> , 2021, 133, 17508-17512.	1.6	11
30	Oxygen Groups Enhancing the Mechanism of Nitrogen Reduction Reaction Properties on Ru- or Fe-Supported Nb ₂ C MXene. <i>Journal of Physical Chemistry C</i> , 2021, 125, 14636-14645.	1.5	24
31	A Highly Strained All-Phenylene Conjoined Bismacrocyclic. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17368-17372.	7.2	42
32	Geometric and electronic effects on the performance of a bifunctional Ru ₂ P catalyst in the hydrogenation and acceptorless dehydrogenation of N-heteroarenes. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1185-1194.	6.9	14
33	Enantioselective Recognition and Separation of <i>C</i> ₂ Symmetric Substances via Chiral Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37412-37421.	4.0	21
34	High-performance single-atom Ni catalyst loaded graphyne for H ₂ O ₂ green synthesis in aqueous media. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 58-67.	5.0	12
35	Meso-scale simulation on mechanism of Na ⁺ -gated water-conducting nanochannels in zeolite NaA. <i>Journal of Membrane Science</i> , 2021, 635, 119462.	4.1	5
36	A new family of decanuclear Ln ₇ Cr ₃ clusters exhibiting a magnetocaloric effect. <i>RSC Advances</i> , 2021, 11, 17346-17351.	1.7	3

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37	A Conjugated Molecular Crown Containing a Single Pyrenyl Unit: Synthesis, Characterization, and Photophysical Properties. Chinese Journal of Organic Chemistry, 2021, 41, 2401.	0.6	2
38	Building highly active hybrid double-atom sites in C ₂ N for enhanced electrocatalytic hydrogen peroxide synthesis. Green Energy and Environment, 2021, 6, 846-857.	4.7	22
39	Supporting a Cu@In ₂ O ₃ core-shell structure on N-doped graphitic carbon cuboctahedral cages for efficient photocatalytic homo-coupling of terminal alkynes. Journal of Materials Chemistry A, 2021, 9, 24909-24914.	5.2	10
40	Synthesis and Physical Properties of a Phenanthrene-Based [6,6] Hollow Bilayer Cylindrical Nanoring. Organic Letters, 2021, 23, 7976-7980.	2.4	0
41	Spatially Separated Photoinduced Charge Carriers for the Enhanced Photocatalysis Over the One-Dimensional Yolk-Shell In ₂ Se ₃ @N-C Nanoreactor. ACS Catalysis, 2021, 11, 12931-12939.	5.5	28
42	Mo ₂ TiC ₂ MXene: A Promising Catalyst for Electrocatalytic Ammonia Synthesis. Catalysis Today, 2020, 339, 120-126.	2.2	102
43	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
44	Selective Synthesis of Conjugated Chiral Macrocycles: Sidewall Segments of (â ⁺)/(+)â€(12,4) Carbon Nanotubes with Strong Circularly Polarized Luminescence. Angewandte Chemie, 2020, 132, 1636-1643.	1.6	38
45	A highly robust heterometallic Tb ^{III} /Ni ^{II} -organic framework for C ₂ hydrocarbon separation and capture. Chemical Communications, 2020, 56, 2047-2050.	2.2	52
46	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
47	Combining N,S-Codoped C and CeO ₂ : A Unique Hinge-like Structure for Efficient Photocatalytic Hydrogen Evolution. Inorganic Chemistry, 2020, 59, 937-942.	1.9	33
48	Hydrogen peroxide electrochemical synthesis on hybrid double-atom (Pd-Cu) doped N vacancy g-C ₃ N ₄ : a novel design strategy for electrocatalyst screening. Journal of Materials Chemistry A, 2020, 8, 2672-2683.	5.2	40
49	Synthesis of Giant ð-Extended Molecular Macrocyclic Rings as Finite Models of Carbon Nanotubes Displaying Enriched Size-Dependent Physical Properties. Chemistry - A European Journal, 2020, 26, 2159-2163.	1.7	23
50	A generalized formula for two-dimensional diffusion of CO in graphene nanoslits with different Pt loadings. Green Energy and Environment, 2020, 5, 322-332.	4.7	10
51	Defect CTF derived Ru-based catalysts for high performance overall water splitting reaction. Journal of Energy Chemistry, 2020, 50, 135-142.	7.1	13
52	Prolonging the lifetimes of plasmonic hot electrons for efficient hydrogen evolution by Ag@N,O-C interfaces with a unique ginkgo-leaf hierarchical structure. Journal of Materials Chemistry A, 2020, 8, 17449-17453.	5.2	8
53	Syntheses, structures and magnetic properties of novel tetrameric Ln ₂ Mn ₂ and ring-like Ln ₄ Mn ₄ clusters. New Journal of Chemistry, 2020, 44, 9837-9843.	1.4	2
54	High-Throughput Screening of Hydrogen Evolution Reaction Catalysts in MXene Materials. Journal of Physical Chemistry C, 2020, 124, 13695-13705.	1.5	51

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55	The Mechanism of the Magnetodielectric Response in a Molecule-Based Trinuclear Iron Cluster Material. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14409-14413.	7.2	21
56	The Mechanism of the Magnetodielectric Response in a Molecule-Based Trinuclear Iron Cluster Material. <i>Angewandte Chemie</i> , 2020, 132, 14515-14519.	1.6	6
57	Bovine serum albumin templated porous CeO ₂ to support Au catalyst for benzene oxidation. <i>Molecular Catalysis</i> , 2020, 486, 110849.	1.0	13
58	Simultaneous electrochemical ozone production and hydrogen evolution by using tantalum-based nanorods electrocatalysts. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118632.	10.8	42
59	Anion-Dependent Assembly of 3d-4f Heterometallic Clusters Ln ₅ Cr ₂ and Ln ₈ Cr ₄ . <i>Inorganic Chemistry</i> , 2020, 59, 1959-1966.	1.9	21
60	Magnetocaloric Effect and Slow Magnetic Relaxation on Two-Dimensional Layered 3d-4f Cluster-Based Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2020, 20, 4005-4012.	1.4	20
61	Carbonate-Water Supramolecule Trapped in Silver Nanoclusters Encapsulating Unprecedented Ag ₁₁ Kernel. <i>CCS Chemistry</i> , 2020, 2, 663-672.	4.6	5
62	Biomass Valorization via Paired Electrosynthesis Over Vanadium Nitride-Based Electrocatalysts. <i>Advanced Functional Materials</i> , 2019, 29, 1904780.	7.8	120
63	Precise synthesis and photophysical properties of a small chiral carbon nanotube segment: cyclo[7]paraphenylene-2,6-naphthylene. <i>Chemical Communications</i> , 2019, 55, 9456-9459.	2.2	28
64	Optimizing Alkyne Hydrogenation Performance of Pd on Carbon in Situ Decorated with Oxygen-Deficient TiO ₂ by Integrating the Reaction and Diffusion. <i>ACS Catalysis</i> , 2019, 9, 10656-10667.	5.5	50
65	Fe(CN) ₅ @PIL-derived N-doped porous carbon with FeC _x N _y active sites as a robust electrocatalyst for the oxygen reduction reaction. <i>Catalysis Science and Technology</i> , 2019, 9, 97-105.	2.1	10
66	Defect engineering of nickel hydroxide nanosheets by Ostwald ripening for enhanced selective electrocatalytic alcohol oxidation. <i>Green Chemistry</i> , 2019, 21, 578-588.	4.6	71
67	Unusual fcc-structured Ag ₁₀ kernels trapped in Ag ₇₀ nanoclusters. <i>Chemical Science</i> , 2019, 10, 564-568.	3.7	60
68	Micromechanical simulation of the pore size effect on the structural stability of brittle porous materials with bicontinuous morphology. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12895-12904.	1.3	10
69	Encapsulating a Ni(II) molecular catalyst in photoactive metal-organic framework for highly efficient photoreduction of CO ₂ . <i>Science Bulletin</i> , 2019, 64, 976-985.	4.3	48
70	Multifunctionalized octamethoxy-[8]cycloparaphenylene: facile synthesis and analysis of novel photophysical and photoinduced electron transfer properties. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1885-1890.	2.3	18
71	Unconventional Method for Fabricating Valence Tautomeric Materials: Integrating Redox Center within a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 6822-6826.	6.6	39
72	Multiscale Simulation of Morphology Evolution of Supported Pt Nanoparticles via Interfacial Control. <i>Langmuir</i> , 2019, 35, 6393-6402.	1.6	8

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73	Single and double boron atoms doped nanoporous C ₂ N ₂ 2D electrocatalysts for highly efficient N ₂ reduction reaction: a density functional theory study. Nanotechnology, 2019, 30, 335403.	1.3	81
74	2D-3D transformation of palladium and gold nanoparticles on functionalized Mo ₂ C by multiscale simulation. Applied Surface Science, 2019, 481, 554-563.	3.1	10
75	Photoconductive Curved Nanographene/Fullerene Supramolecular Heterojunctions. Angewandte Chemie - International Edition, 2019, 58, 6244-6249.	7.2	99
76	Multiscale simulation on thermal stability of supported metal nanocatalysts. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2019, 9, e1405.	6.2	3
77	Carboxylic acid stimulated silver shell isomerism in a triple core-shell Ag ₈₄ nanocluster. Chemical Science, 2019, 10, 4862-4867.	3.7	63
78	Photoconductive Curved Nanographene/Fullerene Supramolecular Heterojunctions. Angewandte Chemie, 2019, 131, 6310-6315.	1.6	30
79	Oxygen vacancy enhancing mechanism of nitrogen reduction reaction property in Ru/TiO ₂ . Journal of Energy Chemistry, 2019, 39, 144-151.	7.1	79
80	A Long π -Conjugated Poly(<i>para</i> -Phenylene)-Based Polymeric Segment of Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2019, 141, 18938-18943.	6.6	41
81	Through-space π -delocalization in a conjugated macrocycle consisting of [2.2]paracyclophane. Chemical Communications, 2019, 55, 14617-14620.	2.2	14
82	Multiscale Simulation on Product Distribution from Pyrolysis of Styrene-Butadiene Rubber. Polymers, 2019, 11, 1967.	2.0	13
83	Temperature dependence of spherical electron transfer in a nanosized [Fe ₁₄] complex. Nature Communications, 2019, 10, 5510.	5.8	12
84	Enhanced Oxygen Reduction Activity on Carbon Supported Pd Nanoparticles Via SiO ₂ . ChemCatChem, 2019, 11, 1278-1285.	1.8	9
85	Electrocatalytic Upgrading of Lignin-Derived Bio-Oil Based on Surface-Engineered PtNiB Nanostructure. Advanced Functional Materials, 2019, 29, 1807651.	7.8	70
86	A theoretical study of electrocatalytic ammonia synthesis on single metal atom/MXene. Chinese Journal of Catalysis, 2019, 40, 152-159.	6.9	76
87	Catalytic benzene oxidation by biogenic Pd nanoparticles over 3D-ordered mesoporous CeO ₂ . Chemical Engineering Journal, 2019, 362, 41-52.	6.6	95
88	Palladium Dimer Supported on Mo ₂ CO ₂ (MXene) for Direct Methane to Methanol Conversion. Advanced Theory and Simulations, 2019, 2, 1800158.	1.3	22
89	Functionalization Ti ₃ C ₂ MXene by the adsorption or substitution of single metal atom. Applied Surface Science, 2019, 465, 911-918.	3.1	63
90	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

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91	A strain-controlled C ₂ N monolayer membrane for gas separation in PEMFC application. <i>Applied Surface Science</i> , 2018, 441, 408-414.	3.1	33
92	A novel symmetrically multifunctionalized dodecamethoxy-cycloparaphenylene: synthesis, photophysical, and supramolecular properties. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1446-1451.	2.3	26
93	Highly Efficient Ammonia Synthesis Electrocatalyst: Single Ru Atom on Naturally Nanoporous Carbon Materials. <i>Advanced Theory and Simulations</i> , 2018, 1, 1800018.	1.3	90
94	Multifunctional luminescent magnetic cryocooler in a Gd ₅ Mn ₂ pyramidal complex. <i>Chemical Communications</i> , 2018, 54, 4104-4107.	2.2	34
95	Oxygen vacancies on TiO ₂ promoted the activity and stability of supported Pd nanoparticles for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2264-2272.	5.2	163
96	Trace phosphorus ³⁺ doping significantly improving S-content of binary ³⁺ doped mesoporous carbon network with enhancing electrochemical performance. <i>Microporous and Mesoporous Materials</i> , 2018, 256, 75-83.	2.2	14
97	A hexadecanuclear silver alkynyl cluster based NbO framework with triple emissions from the visible to near-infrared II region. <i>Chemical Communications</i> , 2018, 54, 11905-11908.	2.2	35
98	Sophisticated Construction of Electronically Labile Materials: A Neutral, Radical-Rich, Cobalt Valence Tautomeric Triangle. <i>Journal of the American Chemical Society</i> , 2018, 140, 14581-14585.	6.6	21
99	Two Self-Interpenetrating Copper(II)-Paddlewheel Metal-Organic Frameworks Constructed from Bifunctional Triazolate ²⁻ Carboxylate Linkers. <i>Crystal Growth and Design</i> , 2018, 18, 6204-6210.	1.4	8
100	A Three-Dimensional Capsule-like Carbon Nanocage as a Segment Model of Capped Zigzag [12,0] Carbon Nanotubes: Synthesis, Characterization, and Complexation with C ₇₀ . <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9330-9335.	7.2	75
101	Three Cd(II) coordination polymers constructed from a series of multidentate ligands derived from cyclotriphosphazene: synthesis, structures and luminescence properties. <i>CrystEngComm</i> , 2018, 20, 3535-3542.	1.3	8
102	Nanosized Chiral [Mn ₆ Ln ₂] Clusters Modeled by Enantiomeric Schiff Base Derivatives: Synthesis, Crystal Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2018, 57, 8639-8645.	1.9	25
103	Hierarchical tandem assembly of planar [3 ^A -3] building units into {3 ^A -[3 ^A -3]} oligomers: mixed-valency, electrical conductivity and magnetism. <i>Chemical Science</i> , 2018, 9, 7498-7504.	3.7	23
104	Photo-generated dinuclear {Eu(II)} ₂ active sites for selective CO ₂ reduction in a photosensitizing metal-organic framework. <i>Nature Communications</i> , 2018, 9, 3353.	5.8	195
105	A Three-Dimensional Capsule-like Carbon Nanocage as a Segment Model of Capped Zigzag [12,0] Carbon Nanotubes: Synthesis, Characterization, and Complexation with C ₇₀ . <i>Angewandte Chemie</i> , 2018, 130, 9474-9479.	1.6	38
106	Synthesis, characterization, and properties of four lanthanide-based coordination polymers with mixed ligands of 4-((4-carboxybenzyl)oxy)benzoic acid and oxalic acid. <i>Journal of Coordination Chemistry</i> , 2017, 70, 2029-2039.	0.8	2
107	A Large π -Extended Carbon Nanoring Based on Nanographene Units: Bottom-Up Synthesis, Photophysical Properties, and Selective Complexation with Fullerene C ₇₀ . <i>Angewandte Chemie - International Edition</i> , 2017, 56, 158-162.	7.2	95
108	Atomically dispersed Pd catalysts in graphyne nanopore: formation and reactivity. <i>Nanotechnology</i> , 2017, 28, 295403.	1.3	26

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109	A superior fluorescent sensor for Al ³⁺ and UO ₂ ²⁺ based on a Co(<i>scp</i>) metal-organic framework with exposed pyrimidyl Lewis base sites. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13079-13085.	5.2	287
110	Embedding 1D or 2D cobalt-carboxylate substrates in 3D coordination polymers exhibiting slow magnetic relaxation behaviors: crystal structures, high-field EPR, and magnetic studies. <i>Dalton Transactions</i> , 2017, 46, 4786-4795.	1.6	10
111	A Large Extended Carbon Nanoring Based on Nanographene Units: Bottom-Up Synthesis, Photophysical Properties, and Selective Complexation with Fullerene C ₇₀ . <i>Angewandte Chemie</i> , 2017, 129, 164-168.	1.6	52
112	The Effect of N-Containing Supports on Catalytic CO Oxidation Activity over Highly Dispersed Pt/Uio-67. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 172-178.	1.0	18
113	PtPd alloy embedded in nitrogen-rich graphene nanopores: High-performance bifunctional electrocatalysts for hydrogen evolution and oxygen reduction. <i>Carbon</i> , 2017, 114, 740-748.	5.4	94
114	Double Nanoporous Structure with Nanoporous PtFe Embedded in Graphene Nanopores: Highly Efficient Bifunctional Electrocatalysts for Hydrogen Evolution and Oxygen Reduction. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601029.	1.9	36
115	Enhanced Selectivity of Phenol Hydrogenation in Low-Pressure CO ₂ over Supported Pd Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11628-11636.	3.2	30
116	Hierarchical Porous NC@CuCo Nitride Nanosheet Networks: Highly Efficient Bifunctional Electrocatalyst for Overall Water Splitting and Selective Electrooxidation of Benzyl Alcohol. <i>Advanced Functional Materials</i> , 2017, 27, 1704169.	7.8	267
117	Enhanced Catalytic Performances for Guaiacol Aqueous Phase Hydrogenation over Ruthenium Supported on Mesoporous TiO ₂ Hollow Spheres Embedded with SiO ₂ Nanoparticles. <i>ChemistrySelect</i> , 2017, 2, 9599-9606.	0.7	16
118	ZIF-67/COF-derived highly dispersed Co ₃ O ₄ /N-doped porous carbon with excellent performance for oxygen evolution reaction and Li-ion batteries. <i>Chemical Engineering Journal</i> , 2017, 330, 1255-1264.	6.6	110
119	Tuning the confinement space of N-carbon shell-coated ruthenium nanoparticles: highly efficient electrocatalysts for hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , 2017, 7, 4964-4970.	2.1	36
120	Improved Oxygen Reduction Reaction Performance of Co Confined in Ordered N-Doped Porous Carbon Derived from ZIF-67@PILs. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 11100-11110.	1.8	50
121	Magnetic Interaction Affecting the Zero-Field Single-Molecule Magnet Behaviors in Isomorphous {Ni ^{II} Dy ^{III} } and {Co ^{II} Dy ^{III} } Tetranuclear Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 11387-11397.	1.9	22
122	Insights into Magnetic Interactions in a Monodisperse Gd ₁₂ Fe ₁₄ Metal Cluster. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11475-11479.	7.2	48
123	Insights into Magnetic Interactions in a Monodisperse Gd ₁₂ Fe ₁₄ Metal Cluster. <i>Angewandte Chemie</i> , 2017, 129, 11633-11637.	1.6	5
124	A series of transition metal coordination polymers based on a rigid bi-functional carboxylate-triazolate tecton. <i>CrystEngComm</i> , 2017, 19, 4586-4594.	1.3	12
125	A Gigantic Molecular Wheel of {Gd ₁₄₀ }: A New Member of the Molecular Wheel Family. <i>Journal of the American Chemical Society</i> , 2017, 139, 18178-18181.	6.6	229
126	Selective phenol hydrogenation to cyclohexanone over alkali-metal-promoted Pd/TiO ₂ in aqueous media. <i>Green Chemistry</i> , 2017, 19, 3585-3594.	4.6	88

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127	Temperature-Dependent Conductivity, Luminescence and Theoretical Calculations of a Novel Zn (â...)-Based Metal-Organic Framework. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2017, 33, 242-248.	2.2	3
128	Synthesis, crystal structure and luminescence studies of zinc(II) and cadmium(II) complexes with 6-(1H-tetrazol-5-yl)-2-naphthoic acid. <i>CrystEngComm</i> , 2016, 18, 6396-6402.	1.3	13
129	Magnetic Properties of a Single-Molecule Lanthanide-Transition-Metal Compound Containing 52 Gadolinium and 56 Nickel Atoms. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4532-4536.	7.2	60
130	Multifaceted Bicubane Co ₄ Clusters: Magnetism, Photocatalytic Oxygen Evolution, and Electrical Conductivity. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3253-3261.	1.0	14
131	Octanuclear Ni(II) cubes based on halogen-substituted pyrazolates: synthesis, structure, electrochemistry and magnetism. <i>CrystEngComm</i> , 2016, 18, 3462-3471.	1.3	22
132	Near-Infrared Emitters: Stepwise Assembly of Two Heteropolynuclear Clusters with Tunable Ag ^I :Zn ^{II} Ratio. <i>Inorganic Chemistry</i> , 2016, 55, 4757-4763.	1.9	35
133	Twin-like ternary PtCoFe alloy in nitrogen-doped graphene nanopores as a highly effective electrocatalyst for oxygen reduction. <i>Catalysis Science and Technology</i> , 2016, 6, 5942-5948.	2.1	15
134	High-Nuclear Organometallic Copper(I)-Alkynide Clusters: Thermochromic Near-Infrared Luminescence and Solution Stability. <i>Chemistry - A European Journal</i> , 2016, 22, 17619-17626.	1.7	65
135	Ionothermal synthesis, magnetic transformation and hydration-dehydration properties of Co(II)-based coordination polymers. <i>RSC Advances</i> , 2016, 6, 71952-71957.	1.7	4
136	Mo Doping Induced More Active Sites in Urchin-Like W ₁₈ O ₄₉ Nanostructure with Remarkably Enhanced Performance for Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2016, 26, 5778-5786.	7.8	177
137	Magnetic Properties of a Single-Molecule Lanthanide-Transition-Metal Compound Containing 52 Gadolinium and 56 Nickel Atoms. <i>Angewandte Chemie</i> , 2016, 128, 4608-4612.	1.6	9
138	Integrating cobalt phosphide and cobalt nitride-embedded nitrogen-rich nanocarbons: high-performance bifunctional electrocatalysts for oxygen reduction and evolution. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10575-10584.	5.2	141
139	Enantioselective Allylic Substitution of Morita-Baylis-Hillman Adducts Catalyzed by Chiral Bifunctional Ferrocenylphosphines. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2139-2144.	1.2	22
140	Structural, electrochemical and magnetic analyses of a new octanuclear Mn ^{III} ₂ Mn ^{II} ₆ cluster with linked-defect cubane topology. <i>CrystEngComm</i> , 2016, 18, 1329-1336.	1.3	10
141	Theoretical Insights into Role of Interface for CO Oxidation on Inverse Al ₂ O ₃ /Au(111) Catalysts. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2016, 32, 1674-1680.	2.2	0
142	Robust Cluster Building Unit: Icosanuclear Heteropolyoxocopperate Templated by Carbonate. <i>Chemistry - A European Journal</i> , 2015, 21, 18847-18854.	1.7	56
143	Synergistic Effect of Nitrogen in Cobalt Nitride and Nitrogen-Doped Hollow Carbon Spheres for the Oxygen Reduction Reaction. <i>ChemCatChem</i> , 2015, 7, 1826-1832.	1.8	62
144	Dual Catalysis for the Redox Annulation of Nitroalkynes with Indoles: Enantioselective Construction of Indolinones Bearing Quaternary Stereocenters. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11205-11208.	7.2	104

#	ARTICLE	IF	CITATIONS
145	In Situ Fabrication of PtCo Alloy Embedded in Nitrogen-Doped Graphene Nanopores as Synergistic Catalyst for Oxygen Reduction Reaction. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500365.	1.9	21
146	Two nanosized 3d-4f clusters featuring four Ln ₆ octahedra encapsulating a Zn ₄ tetrahedron. <i>Chemical Communications</i> , 2015, 51, 10687-10690.	2.2	53
147	Multicolored Fluorescence Switching of ICT-Type Organic Solids with Clear Color Difference: Mechanically Controlled Excited State. <i>Chemistry - A European Journal</i> , 2015, 21, 2474-2479.	1.7	189
148	Ionothermal synthesis, fluorescence, and DFT calculation of three lanthanide-based metal-organic frameworks. <i>Inorganic Chemistry Communication</i> , 2015, 60, 4-7.	1.8	9
149	Role of pretreatment with acid and base on the distribution of the products obtained via lignocellulosic biomass pyrolysis. <i>RSC Advances</i> , 2015, 5, 24984-24989.	1.7	28
150	Preparation and catalytic properties of Pd nanoparticles supported on micro-crystal DUT-67 MOFs. <i>RSC Advances</i> , 2015, 5, 32714-32719.	1.7	27
151	In Situ Construction of Three Anion-Dependent Cu(I) Coordination Networks as Promising Heterogeneous Catalysts for Azide-Alkyne Click-Reactions. <i>Inorganic Chemistry</i> , 2015, 54, 4737-4743.	1.9	111
152	Synergistic effect of S,N-co-doped mesoporous carbon materials with high performance for oxygen-reduction reaction and Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20244-20253.	5.2	53
153	Effect of graphene with nanopores on metal clusters. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24420-24426.	1.3	13
154	Lanthanide-based metal-peptide frameworks prepared by ionothermal method: Anion direct effect, DFT calculation and luminescence property. <i>Inorganic Chemistry Communication</i> , 2014, 42, 29-32.	1.8	2
155	A radar-like iron based nanohybrid as an efficient and stable electrocatalyst for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6703-6707.	5.2	18
156	Heating and mechanical force-induced luminescence on/off switching of arylamine derivatives with highly distorted structures. <i>Journal of Materials Chemistry C</i> , 2014, 2, 195-200.	2.7	83
157	Pyridyne cycloaddition of graphene: external active sites for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 897-901.	5.2	33
158	TiO ₂ nanobelts with a uniform coating of g-C ₃ N ₄ as a highly effective heterostructure for enhanced photocatalytic activities. <i>Journal of Solid State Chemistry</i> , 2014, 220, 54-59.	1.4	63
159	Geometric and electronic properties of graphene modified by external N-containing groups. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 20749-20754.	1.3	11
160	The ionothermal synthesis, structure, and magnetism-structure relationship of two biphenyl tetracarboxylic acid-based metal-organic frameworks. <i>Dalton Transactions</i> , 2014, 43, 16515-16521.	1.6	15
161	Synthesis, properties, and magnetism-structure relationship of lanthanide-based metal-organic frameworks with (ethylenedithio)acetic acid. <i>CrystEngComm</i> , 2014, 16, 6963.	1.3	16
162	Pt@Au Nanorods Uniformly Decorated on Pyridyne Cycloaddition Graphene as a Highly Effective Electrocatalyst for Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13448-13454.	4.0	38

#	ARTICLE	IF	CITATIONS
163	Additives initiate selective production of chemicals from biomass pyrolysis. <i>Bioresource Technology</i> , 2014, 156, 376-379.	4.8	7
164	Experimental, DFT and quantum Monte Carlo studies of a series of peptide-based metal-organic frameworks: synthesis, structures and properties. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 526-533.	3.0	10
165	Density functional theory study of <i>p</i> -chloroaniline adsorption on Pd surfaces and clusters. <i>International Journal of Quantum Chemistry</i> , 2014, 114, 895-899.	1.0	6
166	NiFe ₃ -Al ₂ O ₃ : A universal catalyst for the hydrodeoxygenation of bio-oil and its model compounds. <i>Catalysis Communications</i> , 2013, 41, 34-37.	1.6	66
167	Mechanochromic and thermochromic fluorescent properties of cyanostilbene derivatives. <i>Dyes and Pigments</i> , 2013, 98, 486-492.	2.0	74
168	Hybrid nanotube-graphene junctions: spin degeneracy breaking and tunable electronic structure. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20281.	1.3	5
169	Solvent-free catalytic dehydrative etherification of benzyl alcohol over graphene oxide. <i>Chemical Physics Letters</i> , 2013, 583, 146-150.	1.2	11
170	Coronal multi-walled silicon nanotubes. <i>Journal of Energy Chemistry</i> , 2013, 22, 408-412.	7.1	12
171	A novel La(III)-based metal-organic framework (MOF) with a new topology: poly[di-aqua-bis(1/4-2,5-dioxopiperazine-1,4-diacetato)(1/4-2-oxalato)dilanthanum(III)]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 5-7.	0.4	1
172	Synthesis, Structures, and Magnetic Properties of Three Decanuclear Ln ₂ Cu ₈ Clusters of Alkylsulfonate. <i>Crystal Growth and Design</i> , 2013, 13, 2493-2498.	1.4	37
173	The effect of earth metal ion on the property of peptide-based metal-organic frameworks. <i>CrystEngComm</i> , 2013, 15, 5545.	1.3	12
174	Synthesis, Magnetism, and Thermostability of a Series of Two-Dimensional Lanthanide-Nickel Heterometallic Coordination Polymers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 817-820.	0.6	3
175	Tuning the catalytic property of TiO ₂ nanotube arrays for water splitting. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2095-2105.	3.8	13
176	A DFT study of gas molecules adsorption on the anatase (001) nanotube arrays. <i>Computational Materials Science</i> , 2013, 67, 174-181.	1.4	39
177	Probing the catalytic activity of porous graphene oxide and the origin of this behaviour. <i>Nature Communications</i> , 2012, 3, 1298.	5.8	538
178	N-(sulfoethyl) iminodiacetic acid-based lanthanide coordination polymers: Synthesis, magnetism and quantum Monte Carlo studies. <i>Journal of Solid State Chemistry</i> , 2012, 192, 284-288.	1.4	7
179	Synthesis, magnetism and quantum Monte Carlo studies of two Cu(II)-based ferromagnetic coordination polymers. <i>Inorganic Chemistry Communication</i> , 2012, 22, 18-21.	1.8	5
180	Position of substituent dependent dimensionality in Ln-Cu heterometallic coordination polymers. <i>CrystEngComm</i> , 2012, 14, 679-683.	1.3	16

#	ARTICLE	IF	CITATIONS
181	A green and facile self-assembly preparation of gold nanoparticles/ZnO nanocomposite for photocatalytic and photoelectrochemical applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 2868.	6.7	90
182	Water oxidation on N-doped TiO ₂ nanotube arrays. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 2585-2590.	1.0	10
183	Magnetic and thermal properties of three ionothermally synthesized metal-carboxylate frameworks of [M ₃ (ip) ₄][EMIm] ₂ (M = Co, Ni, Mn, H ₂ ip = isophthalic acid, EMIm = 1-ethyl-3-methyl imidazolium). <i>Dalton Transactions</i> , 2011, 40, 10237.	1.6	36
184	CO Oxidation by Lattice Oxygen on V ₂ O ₅ Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14806-14811.	1.5	19
185	Two Three-Dimensional 2p ⁶ 3d ⁴ Heterometallic Frameworks Featuring a Ln ₆ Cu ₂₄ Na ₁₂ Cluster as a Node. <i>Inorganic Chemistry</i> , 2011, 50, 3843-3845.	1.9	44
186	Enhanced role of Al or Ga-doped graphene on the adsorption and dissociation of N ₂ O under electric field. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12472.	1.3	87
187	Temperature-dependent conductivity of Emim ⁺ (Emim ⁺ = 1-ethyl-3-methyl imidazolium) confined in channels of a metal-organic framework. <i>Chemical Communications</i> , 2011, 47, 11933.	2.2	73
188	Control of Self-Assembled 2D Nanostructures by Methylation of Guanine. <i>Small</i> , 2011, 7, 939-949.	5.2	19
189	Effect of lanthanide contraction on crystal structures of lanthanide coordination polymers with 2,5-piperazinedione-1,4-diacetic acid. <i>CrystEngComm</i> , 2010, 12, 2691.	1.3	46
190	A nanosized Gd ₆ Ni ₃ cluster-based heterometallic coordination polymer. <i>Dalton Transactions</i> , 2010, 39, 5077.	1.6	25
191	The synthesis of a 3d ⁴ 4f polynuclear metal cluster under microwave irradiation: crystal structure and magnetic property of [La ₃ Ni ₆ (IDA) ₆ (OH) ₆ (H ₂ O) ₁₂]·3NO ₃ ·15H ₂ O (IDA = iminodiacetate). <i>Dalton Transactions</i> , 2009, , 4640.	1.6	24
192	In situ cyclodehydration of iminodiacetic acid into 2,5-diketopiperazine-1,4-diacetate in lanthanide-based coordination polymers. <i>Dalton Transactions</i> , 2009, , 1707.	1.6	19
193	Experimental and theoretical demonstration of ferroelectric anisotropy in a one-dimensional copper(ii)-based coordination polymer. <i>Chemical Communications</i> , 2009, , 1644.	2.2	25
194	Chapter 4. Computational catalysis in nanotubes. <i>Catalysis</i> , 0, , 109-160.	0.6	3