

Gongzhen Cheng

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#	Paper	IF	Citations
173	CoP-Doped MOF-Based Electrocatalyst for pH-Universal Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4679-4684	16.4	348
172	Nest-like NiCoP for Highly Efficient Overall Water Splitting. <i>ACS Catalysis</i> , 2017 , 7, 4131-4137	13.1	346
171	Ultrathin Nitrogen-Doped Carbon Coated with CoP for Efficient Hydrogen Evolution. <i>ACS Catalysis</i> , 2017 , 7, 3824-3831	13.1	323
170	Tailoring the Electronic Structure of Co ₂ P by N Doping for Boosting Hydrogen Evolution Reaction at All pH Values. <i>ACS Catalysis</i> , 2019 , 9, 3744-3752	13.1	231
169	Self-Sacrificial Template-Directed Vapor-Phase Growth of MOF Assemblies and Surface Vulcanization for Efficient Water Splitting. <i>Advanced Materials</i> , 2019 , 31, e1806672	24	174
168	Graphene-supported Ag-based core-shell nanoparticles for hydrogen generation in hydrolysis of ammonia borane and methylamine borane. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8231-40	9.5	151
167	Hydrogen-bond-induced inclusion complex in aqueous cellulose/LiOH/urea solution at low temperature. <i>ChemPhysChem</i> , 2007 , 8, 1572-9	3.2	147
166	Dissolution of cellulose in aqueous NaOH/urea solution: role of urea. <i>Cellulose</i> , 2014 , 21, 1183-1192	5.5	140
165	A Monodisperse Rh ₂ P-Based Electrocatalyst for Highly Efficient and pH-Universal Hydrogen Evolution Reaction. <i>Advanced Energy Materials</i> , 2018 , 8, 1703489	21.8	139
164	Synergistically Tuning Water and Hydrogen Binding Abilities Over Co ₄ N by Cr Doping for Exceptional Alkaline Hydrogen Evolution Electrocatalysis. <i>Advanced Energy Materials</i> , 2019 , 9, 1902449	21.8	131
163	In situ facile synthesis of bimetallic CoNi catalyst supported on graphene for hydrolytic dehydrogenation of amine borane. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 3371-3380	6.7	130
162	Ternary nickel/iron sulfide microflowers as a robust electrocatalyst for bifunctional water splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15838-15844	13	126
161	Hierarchical NiFeP microflowers directly grown on Ni foam for efficient electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11229-11235	13	120
160	A cobalt-based hybrid electrocatalyst derived from a carbon nanotube inserted metal-organic framework for efficient water-splitting. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16057-16063	13	116
159	An Fe/N hybrid electrocatalyst derived from a bimetal-organic framework for efficient oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11357-11364	13	114
158	One-step synthesis of graphene supported Ru nanoparticles as efficient catalysts for hydrolytic dehydrogenation of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 11964-11972	6.7	112
157	Synergistic catalysis of AgPd@ZIF-8 on dehydrogenation of formic acid. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 57-62	21.8	111

156	Boosting Hydrogen Oxidation Activity of Ni in Alkaline Media through Oxygen-Vacancy-Rich CeO ₂ /Ni Heterostructures. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14179-14183	16.4	105
155	In situ synthesis of graphene supported Ag@CoNi core-shell nanoparticles as highly efficient catalysts for hydrogen generation from hydrolysis of ammonia borane and methylamine borane. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10016	13	105
154	Colloidal synthesis of urchin-like Fe doped NiSe for efficient oxygen evolution. <i>Nanoscale</i> , 2017 , 9, 6821-6825	6.7	102
153	Hydrolytic dehydrogenation of ammonia borane and methylamine borane catalyzed by graphene supported Ru@Ni core-shell nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 426-435	6.7	101
152	Rh nanoparticles supported on graphene as efficient catalyst for hydrolytic dehydrogenation of amine boranes for chemical hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 1062-1070	6.7	99
151	Reduced Graphene Oxide-Wrapped Co Fe S /Co,Fe-N-C Composite as Bifunctional Electrocatalyst for Oxygen Reduction and Evolution. <i>Small</i> , 2018 , 14, 1703748	11	98
150	Facile synthesis of monodisperse ruthenium nanoparticles supported on graphene for hydrogen generation from hydrolysis of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 6180-6187	6.7	93
149	Nitrogen-doped CoP as robust electrocatalyst for high-efficiency pH-universal hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 253, 21-27	21.8	92
148	AgPd nanoparticles supported on MIL-101 as high performance catalysts for catalytic dehydrogenation of formic acid. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11060	13	89
147	Ultrathin Ir nanowires as high-performance electrocatalysts for efficient water splitting in acidic media. <i>Nanoscale</i> , 2018 , 10, 1892-1897	7.7	83
146	One-step synthesis of magnetically recyclable rGO supported Cu@Co core-shell nanoparticles: highly efficient catalysts for hydrolytic dehydrogenation of ammonia borane and methylamine borane. <i>New Journal of Chemistry</i> , 2013 , 37, 3035	3.6	83
145	Pd nanoparticles supported on MIL-101 as high-performance catalysts for catalytic hydrolysis of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 4947-4953	6.7	78
144	Graphene-supported nickel-platinum nanoparticles as efficient catalyst for hydrogen generation from hydrous hydrazine at room temperature. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 1031-4	9.5	78
143	Synthesis of a Series of Octabutoxy- and Octabutoxybenzophthalocyanines and Photophysical Properties of Two Members of the Series. <i>Journal of the American Chemical Society</i> , 1997 , 119, 6029-6039	16.4	77
142	Nitrogen Engineering on 3D Dandelion-Flower-Like CoS for High-Performance Overall Water Splitting. <i>Small</i> , 2019 , 15, e1901993	11	76
141	Amorphous NiP supported on rGO for superior hydrogen generation from hydrolysis of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 14181-14187	6.7	75
140	Oxygen-Vacancy-Induced CeO ₂ /Co ₄ N heterostructures toward enhanced pH-Universal hydrogen evolution reactions. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119282	21.8	74
139	Graphene supported cobalt(0) nanoparticles for hydrolysis of ammonia borane. <i>Materials Letters</i> , 2014 , 115, 113-116	3.3	74

138	Highly efficient hydrogen generation from formic acid-sodium formate over monodisperse AgPd nanoparticles at room temperature. <i>Applied Catalysis B: Environmental</i> , 2015 , 168-169, 423-428	21.8	74
137	RuCu nanoparticles supported on graphene: A highly efficient catalyst for hydrolysis of ammonia borane. <i>Journal of Alloys and Compounds</i> , 2014 , 590, 241-246	5.7	73
136	NiPt nanoparticles supported on MIL-101 as highly efficient catalysts for hydrogen generation from aqueous alkaline solution of hydrazine for chemical hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 9726-9734	6.7	72
135	Graphene supported Ru@Co core-shell nanoparticles as efficient catalysts for hydrogen generation from hydrolysis of ammonia borane and methylamine borane. <i>Catalysis Communications</i> , 2014 , 43, 47-51	3.2	68
134	Immobilization of ultrafine bimetallic Ni-Pt nanoparticles inside the pores of metal-organic frameworks as efficient catalysts for dehydrogenation of alkaline solution of hydrazine. <i>Inorganic Chemistry</i> , 2014 , 53, 10122-8	5.1	66
133	Colloidal synthesis of monodisperse trimetallic IrNiFe nanoparticles as highly active bifunctional electrocatalysts for acidic overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24836-24841 ¹³	13	65
132	A Facile Construction of Supramolecular Complex from Polyaniline and Cellulose in Aqueous System. <i>Macromolecules</i> , 2011 , 44, 4565-4568	5.5	65
131	Conformational Dependence of Triton X-100 on Environment Studied by 2D NOESY and 1H NMR Relaxation. <i>Langmuir</i> , 2000 , 16, 3030-3035	4	65
130	Role of sodium zincate on cellulose dissolution in NaOH/urea aqueous solution at low temperature. <i>Carbohydrate Polymers</i> , 2011 , 83, 1185-1191	10.3	64
129	Synthesis, crystal structure and bioactivity of a novel linear trinuclear nickel(II) complex. <i>Inorganic Chemistry Communication</i> , 2007 , 10, 1351-1354	3.1	60
128	NiIr Nanoparticles Immobilized on the Pores of MIL-101 as Highly Efficient Catalyst toward Hydrogen Generation from Hydrous Hydrazine. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 1086-1093 ^{8,3}	8.3	59
127	NMR spectroscopic studies on the mechanism of cellulose dissolution in alkali solutions. <i>Cellulose</i> , 2013 , 20, 613-621	5.5	59
126	Ruthenium supported on MIL-96: An efficient catalyst for hydrolytic dehydrogenation of ammonia borane for chemical hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 17129-17135 ^{6.7}	6.7	57
125	CoP-Doped MOF-Based Electrocatalyst for pH-Universal Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2019 , 131, 4727-4732	3.6	56
124	Mixed Micelles of Triton X-100 and Cetyl Trimethylammonium Bromide in Aqueous Solution Studied by 1H NMR. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 4611-4615	3.4	56
123	Enhanced HOR catalytic activity of PGM-free catalysts in alkaline media: the electronic effect induced by different heteroatom doped carbon supports. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10936-10947 ¹³	13	55
122	Metal-organic framework-derived hybrid of Fe ₃ C nanorod-encapsulated, N-doped CNTs on porous carbon sheets for highly efficient oxygen reduction and water oxidation. <i>Catalysis Science and Technology</i> , 2016 , 6, 6365-6371	5.5	55
121	Graphene-Supported Trimetallic Core-Shell Cu@CoNi Nanoparticles for Catalytic Hydrolysis of Amine Borane. <i>ChemPlusChem</i> , 2014 , 79, 325-332	2.8	55

120	IrCo Nanodendrite as an Efficient Bifunctional Electrocatalyst for Overall Water Splitting under Acidic Conditions. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24993-24998	9.5	53
119	Bimetallic NickelRhodium Nanoparticles Supported on ZIF-8 as Highly Efficient Catalysts for Hydrogen Generation from Hydrazine in Alkaline Solution. <i>ChemCatChem</i> , 2014 , 6, 2549-2552	5.2	53
118	Phosphorus-Induced Activation of Ruthenium for Boosting Hydrogen Oxidation and Evolution Electrocatalysis. <i>ACS Catalysis</i> , 2020 , 10, 11751-11757	13.1	52
117	Hierarchically porous Fe-N-C derived from covalent-organic materials as a highly efficient electrocatalyst for oxygen reduction. <i>Nanoscale</i> , 2016 , 8, 14271-7	7.7	51
116	Ruthenium supported on MIL-101 as an efficient catalyst for hydrogen generation from hydrolysis of amine boranes. <i>New Journal of Chemistry</i> , 2014 , 38, 4032	3.6	51
115	Nanoscale MIL-101 supported RhNi nanoparticles: an efficient catalyst for hydrogen generation from hydrous hydrazine. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12468-12475	13	50
114	Synthesis, Photochemistry, and Electrochemistry of a Series of Phthalocyanines with Graded Steric Hindrance. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 3503-3514	2.8	49
113	3D mesoporous rose-like nickel-iron selenide microspheres as advanced electrocatalysts for the oxygen evolution reaction. <i>Nano Research</i> , 2018 , 11, 2149-2158	10	47
112	Monodisperse Palladium Sulfide as Efficient Electrocatalyst for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 753-761	9.5	46
111	Facile Synthesis of a N-Doped Fe ₃ C@CNT/Porous Carbon Hybrid for an Advanced Oxygen Reduction and Water Oxidation Electrocatalyst. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 11006-11013	3.8	46
110	Highly efficient dehydrogenation of hydrazine over graphene supported flower-like NiPt nanoclusters at room temperature. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14344	13	45
109	In situ facile synthesis of Ru-based core-shell nanoparticles supported on carbon black and their high catalytic activity in the dehydrogenation of amine-boranes. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 562-71	4.5	45
108	IrW nanobranches as an advanced electrocatalyst for pH-universal overall water splitting. <i>Nanoscale</i> , 2019 , 11, 8898-8905	7.7	44
107	Strategic synthesis of graphene supported trimetallic Ag-based core-shell nanoparticles toward hydrolytic dehydrogenation of amine boranes. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 3360-3370	6.7	43
106	NiSe ₂ /FeSe ₂ nanodendrites: a highly efficient electrocatalyst for oxygen evolution reaction. <i>Catalysis Science and Technology</i> , 2017 , 7, 4604-4608	5.5	42
105	Monodisperse CoAgPd nanoparticles assembled on graphene for efficient hydrogen generation from formic acid at room temperature. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 439-446	6.7	41
104	Hydrolytic dehydrogenation of ammonia borane catalyzed by metal-organic framework supported bimetallic RhNi nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 16391-16397	6.7	41
103	A reduced graphene oxide/covalent cobalt porphyrin framework for efficient oxygen reduction reaction. <i>Dalton Transactions</i> , 2017 , 46, 9344-9348	4.3	39

102	IrMo Nanocatalysts for Efficient Alkaline Hydrogen Electrocatalysis. <i>ACS Catalysis</i> , 2020 , 10, 7322-7327	13.1	39
101	NiPt/MnOx supported on N-doped porous carbon derived from metal-organic frameworks for highly efficient hydrogen generation from hydrazine. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5616-5622	13	38
100	Homogeneous hydroxyethylation of cellulose in NaOH/urea aqueous solution. <i>Polymer Bulletin</i> , 2005 , 53, 243-248	2.4	38
99	NiRh nanoparticles supported on nitrogen-doped porous carbon as highly efficient catalysts for dehydrogenation of hydrazine in alkaline solution. <i>Nano Research</i> , 2015 , 8, 3472-3479	10	35
98	Three-dimensional nitrogen-doped graphene hydrogel supported Co-CeOx nanoclusters as efficient catalysts for hydrogen generation from hydrolysis of ammonia borane. <i>Chinese Chemical Letters</i> , 2018 , 29, 1671-1674	8.1	34
97	Synthesis, crystal structure and bioactivity of a novel 18-metallacrown-6 [Mn6(H2O)6(abshz)6]·6H2O. <i>Inorganic Chemistry Communication</i> , 2006 , 9, 758-760	3.1	33
96	Ni-Pt nanoparticles growing on metal organic frameworks (MIL-96) with enhanced catalytic activity for hydrogen generation from hydrazine at room temperature. <i>Dalton Transactions</i> , 2015 , 44, 6212-8	4.3	32
95	Ruthenium deposited on MCM-41 as efficient catalyst for hydrolytic dehydrogenation of ammonia borane and methylamine borane. <i>Chinese Chemical Letters</i> , 2015 , 26, 1345-1350	8.1	32
94	CeOx-modified NiFe nanodendrits grown on rGO for efficient catalytic hydrogen generation from alkaline solution of hydrazine. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 27165-27173	6.7	31
93	A RhNiP/rGO hybrid for efficient catalytic hydrogen generation from an alkaline solution of hydrazine. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14572-14576	13	31
92	Size-Controlled Synthesis of Tetrametallic Ag@CoNiFe Core-Shell Nanoparticles Supported on Graphene: A Highly Efficient Catalyst for the Hydrolytic Dehydrogenation of Amine Boranes. <i>ChemCatChem</i> , 2014 , 6, 1617-1625	5.2	31
91	An Amorphous Cobalt Borate Nanosheet-Coated Cobalt Boride Hybrid for Highly Efficient Alkaline Water Oxidation Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 5620-5625	8.3	31
90	NiPt nanoparticles supported on CeO2 nanospheres for efficient catalytic hydrogen generation from alkaline solution of hydrazine. <i>Chinese Chemical Letters</i> , 2019 , 30, 634-637	8.1	31
89	Nitrogen-doped graphene hydrogel-supported NiPt-CeOx nanocomposites and their superior catalysis for hydrogen generation from hydrazine at room temperature. <i>Nano Research</i> , 2017 , 10, 2856-2865	10	30
88	CoBP nanoparticles supported on three-dimensional nitrogen-doped graphene hydrogel and their superior catalysis for hydrogen generation from hydrolysis of ammonia borane. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 1271-1276	5.7	30
87	NiPt Nanocatalysts Supported on Boron and Nitrogen Co-Doped Graphene for Superior Hydrazine Dehydrogenation and Methanol Oxidation. <i>ChemCatChem</i> , 2016 , 8, 1410-1416	5.2	29
86	Three-channel ferrocene-based chemosensors for Cu(II) and Hg(II) in aqueous environments. <i>Sensors and Actuators B: Chemical</i> , 2014 , 190, 937-945	8.5	29
85	Mo-Doped Ni3S2 Nanowires as High-Performance Electrocatalysts for Overall Water Splitting. <i>ChemElectroChem</i> , 2018 , 5, 2564-2570	4.3	29

84	Ultrasmall Ir nanoparticles for efficient acidic electrochemical water splitting. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1121-1125	6.8	28
83	Decoration of graphene with tetrametallic Cu@FeCoNi core-shell nanoparticles for catalytic hydrolysis of amine boranes. <i>RSC Advances</i> , 2014 , 4, 32817	3.7	28
82	Graphene supported Ag@Co core-shell nanoparticles as efficient catalysts for hydrolytic dehydrogenation of amine boranes. <i>Journal of Molecular Catalysis A</i> , 2014 , 383-384, 38-45		27
81	Hydrolytic dehydrogenation of amine-boranes catalyzed by graphene supported rhodium-nickel nanoparticles. <i>Catalysis Communications</i> , 2015 , 59, 14-20	3.2	26
80	Effect of axial ligation and delivery system on the tumour-localising and -photosensitising properties of Ge(IV)-octabutoxy-phthalocyanines. <i>British Journal of Cancer</i> , 1995 , 71, 727-32	8.7	26
79	Ir-oriented nanocrystalline assemblies with high activity for hydrogen oxidation/evolution reactions in an alkaline electrolyte. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22959-22963	13	25
78	Carbon Encapsulated Hollow CoO Composites Derived from Reduced Graphene Oxide Wrapped Metal-Organic Frameworks with Enhanced Lithium Storage and Water Oxidation Properties. <i>Inorganic Chemistry</i> , 2018 , 57, 10649-10655	5.1	25
77	Boosting Hydrogen Oxidation Activity of Ni in Alkaline Media through Oxygen-Vacancy-Rich CeO ₂ /Ni Heterostructures. <i>Angewandte Chemie</i> , 2019 , 131, 14317-14321	3.6	25
76	The formation of cucurbit[n]uril (n = 6, 7) complexes with amino compounds in aqueous formic acid studied by capillary electrophoresis. <i>Electrophoresis</i> , 2005 , 26, 2214-24	3.6	25
75	Inter-regulated d-band centers of the NiB/Ni heterostructure for boosting hydrogen electrooxidation in alkaline media. <i>Chemical Science</i> , 2020 , 11, 12118-12123	9.4	25
74	Synthesis, spectra and crystal structure of a novel 18-metallacrown-6 [Mn ₆ (4-ohashz) ₆ (CH ₃ OH) ₆] · 12CH ₃ OH. <i>Inorganic Chemistry Communication</i> , 2005 , 8, 216-218	3.1	24
73	Synthesis, characterization and bioactivity of a novel 18-metallacrown-6: [Mn(pcshz)(CH ₃ OH)] ₆ · 4CH ₃ OH · 4H ₂ O. <i>Inorganica Chimica Acta</i> , 2007 , 360, 3341-3346	2.7	23
72	Well-aligned metal-organic framework array-derived CoS ₂ nanosheets toward robust electrochemical water splitting. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1732-1738	7.8	21
71	Synthesis, characterization and bioactivity of four novel trinuclear copper(II) and nickel(II) complexes with pentadentate ligands derived from N-acylsalicylhydrazide. <i>Inorganica Chimica Acta</i> , 2008 , 361, 2667-2676	2.7	21
70	Cuboid Ni P as a Bifunctional Catalyst for Efficient Hydrogen Generation from Hydrolysis of Ammonia Borane and Electrocatalytic Hydrogen Evolution. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2967-2972	4.5	20
69	Synthesis, crystal structure and bioactivity of a novel 18-metallacrown-6 [Mn ₆ (H ₂ O) ₆ (anshz) ₆] · 10DMF. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 2909-2914	2.3	20
68	One-step hydrothermal synthesis and characterization of V ₂ O ₅ nanospheres and their excellent performance in the ammoxidation of 3,4- and 2,6-DCT. <i>Materials Research Bulletin</i> , 2013 , 48, 3620-3624	5.1	19
67	Microheterogeneous structure of 1-octanol in neat and water-saturated state. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 10160-5	3.4	19

66	Two novel 18-metallacrown-6 complexes: Synthesis, structural characterization and bioactivity. <i>Polyhedron</i> , 2007 , 26, 2695-2702	2.7	19
65	Ternary CoAgPd Nanoparticles Confined Inside the Pores of MIL-101 as Efficient Catalyst for Dehydrogenation of Formic Acid. <i>Catalysis Letters</i> , 2016 , 146, 518-524	2.8	18
64	Facile synthesis of P-doped Rh nanoparticles with superior catalytic activity toward dehydrogenation of hydrous hydrazine. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 6137-6143	6.7	17
63	Ultrafine phosphorus-doped rhodium for enhanced hydrogen electrocatalysis in alkaline electrolytes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11923-11927	13	17
62	Metal coordination architectures of N-acyl-salicylhydrazides: The effect of metal ions and steric repulsion of ligands to their structures of polynuclear metal complexes. <i>Polyhedron</i> , 2009 , 28, 300-306	2.7	17
61	Protophilic amide ionic liquid assisted esterification and catalysis mechanism. <i>Journal of Molecular Catalysis A</i> , 2009 , 307, 9-12		16
60	Synthesis, structural characterization, and magnetism of a butterfly-shaped hexanuclear Ni(II) complex. <i>Inorganic Chemistry Communication</i> , 2008 , 11, 769-771	3.1	16
59	Decorating WSe ₂ nanosheets with ultrafine Ru nanoparticles for boosting electrocatalytic hydrogen evolution in alkaline electrolytes. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1382-1387	6.8	15
58	Nickel-iron borate coated nickel-iron boride hybrid for highly stable and active oxygen evolution electrocatalysis. <i>Chinese Chemical Letters</i> , 2020 , 31, 2469-2472	8.1	15
57	Amine-borane assisted synthesis of wavy palladium nanorods on graphene as efficient catalysts for formic acid oxidation. <i>Chemical Communications</i> , 2014 , 50, 12843-6	5.8	15
56	Synthesis, characterization and anticancer activity of dinuclear ruthenium(II) complexes linked by an alkyl chain. <i>New Journal of Chemistry</i> , 2015 , 39, 5805-5812	3.6	15
55	Micellization of Sodium Decyl Naphthalene Sulfonate Studied by ¹ H NMR. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 3644-3649	3.4	15
54	Colloidal Synthesis of NiWSe Nanosheets for Efficient Electrocatalytic Hydrogen Evolution Reaction in Alkaline Media. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 2040	4.5	14
53	Synthesis, characterization, crystal structure, cytotoxicity, apoptosis and cell cycle arrest of ruthenium(II) complex [Ru(bpy) ₂ (adpa)](PF ₆) ₂ (bpy = 2,2'-bipyridine, adpa = 4-(4-aminophenyl)diazanyl-N-(pyridin-2-ylmethylene)aniline). <i>RSC Advances</i> , 2015 , 5, 11591-11598	3.7	14
52	Synthesis of a Phenylhydrazone-based Colorimetric Anion Sensor with Complementary IMP/INH Logic Functions. <i>Chinese Journal of Chemistry</i> , 2012 , 30, 1702-1708	4.9	14
51	The synthesis and characterization of dinuclear ruthenium sensitizers and their applications in photocatalytic hydrogen production. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 105, 539-44	4.4	13
50	Synthesis, characterization and bioactivity of two novel trinuclear Cu(II)/Ni(II) complexes with pentadentate ligand N-2-methyl-acryloyl-salicylhydrazide. <i>Inorganica Chimica Acta</i> , 2009 , 362, 551-555	2.7	13
49	Difference in micellar properties of sodium dodecyl sulfonate from sodium 4-decyl naphthalene sulfonate in D ₂ O solution studied by ¹ H NMR relaxation and 2D NOESY. <i>Colloid and Polymer Science</i> , 2004 , 282, 280-286	2.4	13

48	Ultrafine Rh nanoparticle decorated MoSe ₂ nanoflowers for efficient alkaline hydrogen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2978-2984	6.8	13
47	Colloidal synthesis of iridium-iron nanoparticles for electrocatalytic oxygen evolution. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 1199-1203	5.8	12
46	Pseudopolyrotaxanes of Cucurbit[6]uril: A Novel Three-Dimensional Network Self-Assembled by (H ₂ O) ₃ Clusters and Br ⁻ (H ₂ O) ₃ Anion Clusters. <i>Crystal Growth and Design</i> , 2008 , 8, 2970-2974	3.5	12
45	Tuning the maximum absorption wavelengths of phthalocyanine derivatives. <i>Journal of Porphyrins and Phthalocyanines</i> , 2005 , 09, 32-39	1.8	12
44	Voltammetric studies of through-space and through-bond electrostatic interactions in alkyl linked ferrocene and benzoaza-15-crown-5 receptor molecules in acetonitrile. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 10658-67	3.4	12
43	Aggregation Behavior of Quaternary Ammonium Dimeric Surfactant C ₁₄ -s-C ₁₄ N ⁺ Br ⁻ Micelles. <i>Acta Physico-chimica Sinica</i> , 2007 , 23, 317-322		11
42	Metal-Organic Framework Immobilized CoAuPd Nanoparticles with High Content of Non-precious Metal for Highly Efficient Hydrogen Generation from Formic Acid. <i>ChemistrySelect</i> , 2016 , 1, 1400-1404	1.8	11
41	A bimetal hierarchical layer structure MOF grown on Ni foam as a bifunctional catalyst for the OER and HER. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 2889-2899	6.8	11
40	NiFe-LDH Grown on Three-Dimensional Cu ₃ P Nano-Array for Highly Efficient Water Oxidation. <i>ChemistrySelect</i> , 2018 , 3, 8064-8069	1.8	10
39	Synthesis, characterization and bioactivity of a new Fe(III) 18-metallacrown-6 and a new trinuclear linear Ni(II) complexes. <i>Polyhedron</i> , 2008 , 27, 1802-1808	2.7	10
38	Rhodium Phosphide: A New Type of Hydrogen Oxidation Reaction Catalyst with Non-Linear Correlated Catalytic Response to pH. <i>ChemElectroChem</i> , 2019 , 6, 1990-1995	4.3	10
37	Construction of a hierarchical NiFe layered double hydroxide with a 3D mesoporous structure as an advanced electrocatalyst for water oxidation. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1795-1799	6.8	10
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