

Yu Chen

List of Publications by Year in descending order

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9382
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#	ARTICLE	IF	CITATIONS
1	Ni-Mo-O nanorod-derived composite catalysts for efficient alkaline water-to-hydrogen conversion via urea electrolysis. <i>Energy and Environmental Science</i> , 2018, 11, 1890-1897.	30.8	599
2	Ultrathin Co ₃ O ₄ Nanomeshes for the Oxygen Evolution Reaction. <i>ACS Catalysis</i> , 2018, 8, 1913-1920.	11.2	435
3	Surfactant-free atomically ultrathin rhodium nanosheet nanoassemblies for efficient nitrogen electroreduction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3211-3217.	10.3	376
4	Anodic Hydrazine Oxidation Assists Energy-Efficient Hydrogen Evolution over a Bifunctional Cobalt Perselenide Nanosheet Electrode. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7649-7653.	13.8	352
5	One-Pot Water-Based Synthesis of Pt-Pd Alloy Nanoflowers and Their Superior Electrocatalytic Activity for the Oxygen Reduction Reaction and Remarkable Methanol-Tolerant Ability in Acid Media. <i>Journal of Physical Chemistry C</i> , 2013, 117, 9826-9834.	3.1	246
6	Porous Trimetallic PtRhCu Cubic Nanoboxes for Ethanol Electrooxidation. <i>Advanced Energy Materials</i> , 2018, 8, 1801326.	19.5	240
7	Rational design of donor-acceptor conjugated microporous polymers for photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018, 228, 1-9.	20.2	215
8	Dibenzothiophene Dioxide Based Conjugated Microporous Polymers for Visible-Light-Driven Hydrogen Production. <i>ACS Catalysis</i> , 2018, 8, 8590-8596.	11.2	202
9	Conductive Metal-Organic Frameworks with Extra Metallic Sites as an Efficient Electrocatalyst for the Hydrogen Evolution Reaction. <i>Advanced Science</i> , 2020, 7, 2000012.	11.2	197
10	Autocatalysis and Selective Oxidative Etching Induced Synthesis of Platinum-Copper Bimetallic Alloy Nanodendrites Electrocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7301-7308.	8.0	166
11	Research advances in unsupported Pt-based catalysts for electrochemical methanol oxidation. <i>Journal of Energy Chemistry</i> , 2017, 26, 1067-1076.	12.9	163
12	Conjugated Microporous Polymers with Tunable Electronic Structure for High-Performance Potassium-Ion Batteries. <i>ACS Nano</i> , 2019, 13, 745-754.	14.6	162
13	Toward High Performance Thiophene-Containing Conjugated Microporous Polymer Anodes for Lithium-Ion Batteries through Structure Design. <i>Advanced Functional Materials</i> , 2018, 28, 1705432.	14.9	162
14	Rhodium phosphide ultrathin nanosheets for hydrazine oxidation boosted electrochemical water splitting. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118880.	20.2	151
15	Polyallylamine-Functionalized Platinum Tripods: Enhancement of Hydrogen Evolution Reaction by Proton Carriers. <i>ACS Catalysis</i> , 2017, 7, 452-458.	11.2	142
16	Porous Pd-PdO Nanotubes for Methanol Electrooxidation. <i>Advanced Functional Materials</i> , 2020, 30, 2000534.	14.9	138
17	Atomically ultrathin RhCo alloy nanosheet aggregates for efficient water electrolysis in broad pH range. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16437-16446.	10.3	136
18	Nanocatalysts for Electrocatalytic Oxidation of Ethanol. <i>ChemSusChem</i> , 2019, 12, 2117-2132.	6.8	134

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19	Bimetallic Platinum–Rhodium Alloy Nanodendrites as Highly Active Electrocatalyst for the Ethanol Oxidation Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19755-19763.	8.0	132
20	Platinum–Cobalt alloy networks for methanol oxidation electrocatalysis. <i>Journal of Materials Chemistry</i> , 2012, 22, 23659.	6.7	131
21	Au Nanowires@Pd-Polyethylenimine Nanohybrids as Highly Active and Methanol-Tolerant Electrocatalysts toward Oxygen Reduction Reaction in Alkaline Media. <i>ACS Catalysis</i> , 2018, 8, 11287-11295.	11.2	129
22	Single atomic cobalt electrocatalyst for efficient oxygen reduction reaction. <i>EScience</i> , 2022, 2, 399-404.	41.6	127
23	Trimetallic PtAgCu@PtCu core@shell concave nanooctahedrons with enhanced activity for formic acid oxidation reaction. <i>Nano Energy</i> , 2015, 12, 824-832.	16.0	126
24	Iron doped cobalt phosphide ultrathin nanosheets on nickel foam for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20658-20666.	10.3	123
25	Morphological and Interfacial Control of Platinum Nanostructures for Electrocatalytic Oxygen Reduction. <i>ACS Catalysis</i> , 2016, 6, 5260-5267.	11.2	117
26	Au core-PtAu alloy shell nanowires for formic acid electrolysis. <i>Journal of Energy Chemistry</i> , 2022, 65, 94-102.	12.9	117
27	Polyethyleneimine functionalized platinum superstructures: enhancing hydrogen evolution performance by morphological and interfacial control. <i>Chemical Science</i> , 2017, 8, 8411-8418.	7.4	116
28	Direct chemical synthesis of ultrathin holey iron doped cobalt oxide nanosheets on nickel foam for oxygen evolution reaction. <i>Nano Energy</i> , 2018, 54, 238-250.	16.0	114
29	Nitrogen-doped graphene aerogel-supported ruthenium nanocrystals for pH-universal hydrogen evolution reaction. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1535-1543.	14.0	111
30	Crystalline palladium–cobalt alloy nanoassemblies with enhanced activity and stability for the formic acid oxidation reaction. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 229-235.	20.2	107
31	Arginine-Assisted Synthesis and Catalytic Properties of Single-Crystalline Palladium Tetrapods. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22790-22795.	8.0	106
32	One-pot, water-based and high-yield synthesis of tetrahedral palladium nanocrystal decorated graphene. <i>Nanoscale</i> , 2013, 5, 8007.	5.6	105
33	Porous palladium phosphide nanotubes for formic acid electrooxidation. , 2022, 4, 283-293.		102
34	Atomically thick Ni(OH) ₂ nanomeshes for urea electrooxidation. <i>Nanoscale</i> , 2019, 11, 1058-1064.	5.6	101
35	Benzylamine oxidation boosted electrochemical water-splitting: Hydrogen and benzonitrile co-production at ultra-thin Ni ₂ P nanomeshes grown on nickel foam. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118393.	20.2	100
36	Ultrathin Rh nanosheets as a highly efficient bifunctional electrocatalyst for isopropanol-assisted overall water splitting. <i>Nanoscale</i> , 2019, 11, 9319-9326.	5.6	97

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37	Interfacial Engineering Enhances the Electroactivity of Frame-Like Concave RhCu Bimetallic Nanocubes for Nitrate Reduction. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	96
38	Hydrothermal Synthesis and Catalytic Application of Ultrathin Rhodium Nanosheet Nanoassemblies. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33635-33641.	8.0	94
39	Dendritic platinum-copper bimetallic nanoassemblies with tunable composition and structure: Arginine-driven self-assembly and enhanced electrocatalytic activity. <i>Nano Research</i> , 2016, 9, 755-765.	10.4	94
40	One-pot synthesis of three-dimensional platinum nanochain networks as stable and active electrocatalysts for oxygen reduction reactions. <i>Journal of Materials Chemistry</i> , 2012, 22, 13585.	6.7	92
41	Hierarchical porous Rh nanosheets for methanol oxidation reaction. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118520.	20.2	92
42	Substituent effect of conjugated microporous polymers on the photocatalytic hydrogen evolution activity. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2404-2411.	10.3	91
43	Iridium Nanotubes as Bifunctional Electrocatalysts for Oxygen Evolution and Nitrate Reduction Reactions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14064-14070.	8.0	91
44	Ultrafine Rh nanocrystals decorated ultrathin NiO nanosheets for urea electro-oxidation. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118567.	20.2	89
45	Nitrogen-doped phosphorene for electrocatalytic ammonia synthesis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15875-15883.	10.3	88
46	Unexpected catalytic activity of rhodium nanodendrites with nanosheet subunits for methanol electrooxidation in an alkaline medium. <i>Nano Research</i> , 2016, 9, 3893-3902.	10.4	86
47	Rhodium Nanosheets-Reduced Graphene Oxide Hybrids: A Highly Active Platinum-Alternative Electrocatalyst for the Methanol Oxidation Reaction in Alkaline Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10156-10162.	6.7	86
48	Facile synthesis of Pd-Co-P ternary alloy network nanostructures and their enhanced electrocatalytic activity towards hydrazine oxidation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1252-1256.	10.3	84
49	Ultrasonication-assisted and gram-scale synthesis of Co-LDH nanosheet aggregates for oxygen evolution reaction. <i>Nano Research</i> , 2020, 13, 79-85.	10.4	83
50	Preparation of highly dispersed and ultrafine Pd/C catalyst and its electrocatalytic performance for hydrazine electrooxidation. <i>Applied Catalysis B: Environmental</i> , 2011, 103, 388-396.	20.2	82
51	One-Pot Fabrication of Hollow and Porous Pd-Cu Alloy Nanospheres and Their Remarkably Improved Catalytic Performance for Hexavalent Chromium Reduction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30948-30955.	8.0	82
52	Selective Etching Induced Synthesis of Hollow Rh Nanospheres Electrocatalyst for Alcohol Oxidation Reactions. <i>Small</i> , 2018, 14, e1801239.	10.0	82
53	Facile synthesis of corallite-like Pt-Pd alloy nanostructures and their enhanced catalytic activity and stability for ethanol oxidation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13840.	10.3	81
54	Bicarbazole-based redox-active covalent organic frameworks for ultrahigh-performance energy storage. <i>Chemical Communications</i> , 2017, 53, 11334-11337.	4.1	81

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55	Two-dimensional graphdiyne analogue Co-coordinated porphyrin covalent organic framework nanosheets as a stable electrocatalyst for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5575-5582.	10.3	81
56	Hollow Pd@Sn Nanocrystals for Efficient Direct H_2O_2 Synthesis: The Critical Role of Sn on Structure Evolution and Catalytic Performance. <i>ACS Catalysis</i> , 2018, 8, 3418-3423.	11.2	80
57	Hydrogen generation from ammonia electrolysis on bifunctional platinum nanocubes electrocatalysts. <i>Journal of Energy Chemistry</i> , 2020, 47, 234-240.	12.9	80
58	Trimetallic PtRhNi alloy nanoassemblies as highly active electrocatalyst for ethanol electrooxidation. <i>Nano Research</i> , 2017, 10, 3324-3332.	10.4	79
59	Control Synthesis of Tubular Hyper-Cross-Linked Polymers for Highly Porous Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20779-20786.	8.0	77
60	Glycerol oxidation assisted electrocatalytic nitrogen reduction: ammonia and glyceraldehyde co-production on bimetallic RhCu ultrathin nanoflake nanoaggregates. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21149-21156.	10.3	77
61	Pt@Pd@Co Trimetallic Alloy Network Nanostructures with Superior Electrocatalytic Activity towards the Oxygen Reduction Reaction. <i>Chemistry - A European Journal</i> , 2014, 20, 585-590.	3.3	76
62	3D nitrogen-doped graphene aerogels as efficient electrocatalyst for the oxygen reduction reaction. <i>Carbon</i> , 2018, 139, 137-144.	10.3	75
63	N-doped carbon nanocages: Bifunctional electrocatalysts for the oxygen reduction and evolution reactions. <i>Nano Research</i> , 2018, 11, 1905-1916.	10.4	73
64	N,F-Codoped Carbon Nanocages: An Efficient Electrocatalyst for Hydrogen Peroxide Electroproduction in Alkaline and Acidic Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2883-2891.	6.7	72
65	Perylene-Containing Conjugated Microporous Polymers for Photocatalytic Hydrogen Evolution. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700049.	2.2	71
66	Enhancing the Selectivity of H_2O_2 Electrogeneration by Steric Hindrance Effect. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42534-42541.	8.0	69
67	KOH-treated reduced graphene oxide: 100% selectivity for H_2O_2 electroproduction. <i>Carbon</i> , 2019, 153, 6-11.	10.3	69
68	Polyethylenimine-modified nickel phosphide nanosheets: interfacial protons boost the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13770-13776.	10.3	69
69	Polyallylamine-directed green synthesis of platinum nanocubes. Shape and electronic effect codependent enhanced electrocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3793.	2.8	68
70	Pd@Pt core-shell tetrapods as highly active and stable electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20855-20860.	10.3	67
71	From monometallic Au nanowires to trimetallic AuPtRh nanowires: interface control for the formic acid electrooxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17164-17170.	10.3	67
72	Heterostructured Pd/PdO nanowires for selective and efficient CO_2 electroreduction to CO. <i>Journal of Energy Chemistry</i> , 2022, 70, 407-413.	12.9	67

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73	Holey platinum nanotubes for ethanol electrochemical reforming in aqueous solution. <i>Science Bulletin</i> , 2021, 66, 2079-2089.	9.0	66
74	Ultrathin Rhodium Oxide Nanosheet Nanoassemblies: Synthesis, Morphological Stability, and Electrocatalytic Application. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17195-17200.	8.0	65
75	Surface-Dependent Intermediate Adsorption Modulation on Iridium-Modified Black Phosphorus Electrocatalysts for Efficient pH-Universal Water Splitting. <i>Advanced Materials</i> , 2021, 33, e2104638.	21.0	65
76	Highly branched platinum nanolance assemblies by polyallylamine functionalization as superior active, stable, and alcohol-tolerant oxygen reduction electrocatalysts. <i>Nanoscale</i> , 2014, 6, 8226-8234.	5.6	61
77	Au@Rh core-shell nanowires for hydrazine electrooxidation. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119269.	20.2	61
78	Nanobranched porous palladium-tin intermetallics: One-step synthesis and their superior electrocatalysis towards formic acid oxidation. <i>Journal of Power Sources</i> , 2015, 280, 141-146.	7.8	60
79	Thermal decomposition synthesis of functionalized PdPt alloy nanodendrites with high selectivity for oxygen reduction reaction. <i>NPG Asia Materials</i> , 2015, 7, e219-e219.	7.9	59
80	Molybdenum-Promoted Surface Reconstruction in Polymorphic Cobalt for Initiating Rapid Oxygen Evolution. <i>Advanced Energy Materials</i> , 2022, 12, 2103247.	19.5	59
81	Salt-Templated Construction of Ultrathin Cobalt Doped Iron Thiophosphate Nanosheets toward Electrochemical Ammonia Synthesis. <i>Small</i> , 2019, 15, e1903500.	10.0	57
82	Surface oxidized two-dimensional antimonene nanosheets for electrochemical ammonia synthesis under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4735-4739.	10.3	57
83	Ruthenium(III) polyethyleneimine complexes for bifunctional ammonia production and biomass upgrading. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25433-25440.	10.3	55
84	High-Efficiency Electrosynthesis of Hydrogen Peroxide from Oxygen Reduction Enabled by a Tungsten Single Atom Catalyst with Unique Terdentate N_1O_2 Coordination. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	55
85	Polyethyleneimine modified AuPd@PdAu alloy nanocrystals as advanced electrocatalysts towards the oxygen reduction reaction. <i>Journal of Energy Chemistry</i> , 2017, 26, 1153-1159.	12.9	53
86	One-step synthesis and catalytic properties of porous palladium nanospheres. <i>Journal of Materials Chemistry</i> , 2012, 22, 17604.	6.7	50
87	Highly active and durable platinum-lead bimetallic alloy nanoflowers for formic acid electrooxidation. <i>Nanoscale</i> , 2015, 7, 4894-4899.	5.6	50
88	Two-Dimensional Cobalt/N-Doped Carbon Hybrid Structure Derived from Metal-Organic Frameworks as Efficient Electrocatalysts for Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5646-5650.	6.7	50
89	Platinum-Silver Alloy Nanoballoon Nanoassemblies with Super Catalytic Activity for the Formate Electrooxidation. <i>ACS Applied Energy Materials</i> , 2018, 1, 1252-1258.	5.1	50
90	Self-template synthesis of defect-rich NiO nanotubes as efficient electrocatalysts for methanol oxidation reaction. <i>Nanoscale</i> , 2019, 11, 19783-19790.	5.6	50

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91	Metal-organic interface engineering for boosting the electroactivity of Pt nanodendrites for hydrogen production. <i>Journal of Energy Chemistry</i> , 2020, 51, 105-112.	12.9	49
92	Green synthesis and catalytic properties of polyallylamine functionalized tetrahedral palladium nanocrystals. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 167-174.	20.2	48
93	Anodic Hydrazine Oxidation Assists Energy-Efficient Hydrogen Evolution over a Bifunctional Cobalt Perselenide Nanosheet Electrode. <i>Angewandte Chemie</i> , 2018, 130, 7775-7779.	2.0	48
94	Highly Active Hollow RhCu Nanoboxes toward Ethylene Glycol Electrooxidation. <i>Small</i> , 2021, 17, e2006534.	10.0	48
95	Component-Dependent Electrocatalytic Activity of Ultrathin PdRh Alloy Nanocrystals for the Formate Oxidation Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2830-2836.	6.7	47
96	Hollow PtNi alloy nanospheres with enhanced activity and methanol tolerance for the oxygen reduction reaction. <i>Nano Research</i> , 2016, 9, 3494-3503.	10.4	46
97	Rh nanoroses for isopropanol oxidation reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118082.	20.2	44
98	Advanced Applications and Challenges of Electropolymerized Conjugated Microporous Polymer Films. <i>Advanced Functional Materials</i> , 2021, 31, 2101861.	14.9	41
99	Bimetallic AuRh nanodendrites consisting of Au icosahedron cores and atomically ultrathin Rh nanoplate shells: synthesis and light-enhanced catalytic activity. <i>NPG Asia Materials</i> , 2017, 9, e407-e407.	7.9	39
100	Polyallylamine-Rh nanosheet nanoassemblies@carbon nanotubes organic-inorganic nanohybrids: A electrocatalyst superior to Pt for the hydrogen evolution reaction. <i>Journal of Power Sources</i> , 2018, 385, 32-38.	7.8	39
101	PtRu nanocubes as bifunctional electrocatalysts for ammonia electrolysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8444-8451.	10.3	39
102	Bifunctional Palladium Hydride Nanodendrite Electrocatalysts for Hydrogen Evolution Integrated with Formate Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13149-13157.	8.0	39
103	Cobalt phosphide nanorings towards efficient electrocatalytic nitrate reduction to ammonia. <i>Chemical Communications</i> , 2021, 57, 11621-11624.	4.1	39
104	Sulfur in Hyper-cross-linked Porous Polymer as Cathode in Lithium-Sulfur Batteries with Enhanced Electrochemical Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34783-34792.	8.0	38
105	Fe/N Codoped Carbon Nanocages with Single-Atom Feature as Efficient Oxygen Reduction Reaction Electrocatalyst. <i>ACS Applied Energy Materials</i> , 2018, 1, 4982-4990.	5.1	38
106	PdCo Alloy Nanonetworks@Polyallylamine Inorganic-Organic Nanohybrids toward the Oxygen Reduction Reaction. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701322.	3.7	37
107	Anodic hydrazine electrooxidation boosted overall water electrolysis by bifunctional porous nickel phosphide nanotubes on nickel foam. <i>Nanoscale</i> , 2020, 12, 11526-11535.	5.6	37
108	In situ conversion of iron sulfide (FeS) to iron oxyhydroxide (γ -FeOOH) on N, S co-doped porous carbon nanosheets: An efficient electrocatalyst for the oxygen reduction reaction and zinc-air batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 558, 323-333.	9.4	34

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109	Thin porous nanosheets of NiFe layered-double hydroxides toward a highly efficient electrocatalyst for water oxidation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 1948-1958.	7.1	34
110	Hydrogen and Potassium Acetate Co-Production from Electrochemical Reforming of Ethanol at Ultrathin Cobalt Sulfide Nanosheets on Nickel Foam. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4026-4033.	8.0	33
111	Efficient Nitrate-to-Ammonia Electroreduction at Cobalt Phosphide Nanoshuttles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45521-45527.	8.0	33
112	Ethanol-tolerant polyethyleneimine functionalized palladium nanowires in alkaline media: the α -molecular window gauze-induced the selectivity for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21083-21089.	10.3	32
113	A one-pot gold seed-assisted synthesis of gold/platinum wire nanoassemblies and their enhanced electrocatalytic activity for the oxidation of oxalic acid. <i>Nanoscale</i> , 2016, 8, 2875-2880.	5.6	29
114	Interfacial proton enrichment enhances proton-coupled electrocatalytic reactions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17771-17777.	10.3	29
115	Formic acid decomposition-inhibited intermetallic Pd ₃ Sn ₂ nanonetworks for efficient formic acid electrooxidation. <i>Journal of Power Sources</i> , 2020, 450, 227615.	7.8	29
116	Polyethyleneimine-assisted synthesis of high-quality platinum/graphene hybrids: the effect of molecular weight on electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12000-12004.	10.3	28
117	Facile preparation of MnO/nitrogen-doped porous carbon nanotubes composites and their application in energy storage. <i>Journal of Power Sources</i> , 2019, 426, 33-39.	7.8	28
118	Bifunctional Pd@RhPd Core-Shell Nanodendrites for Methanol Electrolysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35767-35776.	8.0	28
119	Cyanogel auto-reduction induced synthesis of PdCo nanocubes on carbon nanobowls: a highly active electrocatalyst for ethanol electrooxidation. <i>Nanoscale</i> , 2019, 11, 13477-13483.	5.6	27
120	0.2 V Electrolysis Voltage-Driven Alkaline Hydrogen Production with Nitrogen-Doped Carbon Nanobowl-Supported Ultrafine Rh Nanoparticles of 1.4 nm. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35039-35049.	8.0	27
121	Facile synthesis of yolk-shell structured ZnFe ₂ O ₄ microspheres for enhanced electrocatalytic oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 511-520.	6.0	27
122	Sandwich-structured Au@polyallylamine@Pd nanostructures: tuning the electronic properties of the Pd shell for electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12020-12024.	10.3	25
123	Controllable synthesis of hierarchical nickel hydroxide nanotubes for high performance supercapacitors. <i>Chemical Communications</i> , 2018, 54, 559-562.	4.1	25
124	The electrocatalytic performance of carbon ball supported RhCo alloy nanocrystals for the methanol oxidation reaction in alkaline media. <i>Journal of Power Sources</i> , 2017, 371, 129-135.	7.8	24
125	Reduced graphene oxide supported PdNi alloy nanocrystals for the oxygen reduction and methanol oxidation reactions. <i>Green Energy and Environment</i> , 2018, 3, 375-383.	8.7	24
126	A ruthenium(III) phosphonate complex on polyallylamine functionalized carbon nanotube multilayer films: self-assembly, direct electrochemistry, and electrocatalysis. <i>Journal of Materials Chemistry B</i> , 2014, 2, 102-109.	5.8	23

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127	Construction of nano-composites by enzyme entrapped in mesoporous dendritic silica particles for efficient biocatalytic degradation of antibiotics in wastewater. <i>Chemical Engineering Journal</i> , 2019, 375, 121968.	12.7	23
128	Facile synthesis of porous PdCu nanoboxes for efficient chromium(VI) reduction. <i>CrystEngComm</i> , 2019, 21, 3654-3659.	2.6	23
129	Facile controlled preparation of phosphonic acid-functionalized gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2010, 351, 421-426.	9.4	22
130	Layer-by-Layer Self-Assembly of Sulphydryl-Functionalized Multiwalled Carbon Nanotubes and Phosphate-Functionalized Gold Nanoparticles: Detection of Hydrazine. <i>ChemPlusChem</i> , 2012, 77, 914-922.	2.8	22
131	π-π interaction directed 2D FeNi-LDH nanosheets from 2D Hofmann-MOFs for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1815-1820.	10.3	22
132	Plasma induced Fe-N active sites to improve the oxygen reduction reaction performance. , 2022, 1, 100005.		22
133	Atoms diffusion-induced phase engineering of platinum-gold alloy nanocrystals with high electrocatalytic performance for the formic acid oxidation reaction. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 299-305.	9.4	21
134	Carbon nanobowls supported ultrafine iridium nanocrystals: An active and stable electrocatalyst for the oxygen evolution reaction in acidic media. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 325-331.	9.4	21
135	Enzyme Immobilization in MOF-derived Porous NiO with Hierarchical Structure: An Efficient and Stable Enzymatic Reactor. <i>ChemCatChem</i> , 2019, 11, 2828-2836.	3.7	21
136	Co nanoparticles supported on three-dimensionally N-doped holey graphene aerogels for electrocatalytic oxygen reduction. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 143-151.	9.4	21
137	Direct growth of holey Fe ₃ O ₄ -coupled Ni(OH) ₂ sheets on nickel foam for the oxygen evolution reaction. <i>Chinese Journal of Catalysis</i> , 2021, 42, 271-278.	14.0	21
138	Ether-linked porphyrin covalent organic framework with broadband optical switch. <i>IScience</i> , 2021, 24, 102526.	4.1	21
139	Holey cobalt oxyhydroxide nanosheets for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3297-3302.	10.3	21
140	Ethylenediaminetetraacetic acid mediated synthesis of palladium nanowire networks and their enhanced electrocatalytic performance for the hydrazine oxidation reaction. <i>Electrochimica Acta</i> , 2015, 176, 125-129.	5.2	20
141	Bisulfone-Functionalized Organic Polymer Photocatalysts for High-Performance Hydrogen Evolution. <i>ChemSusChem</i> , 2020, 13, 369-375.	6.8	20
142	Photocatalytic performance of AgCl@Ag core-shell nanocubes for the hexavalent chromium reduction. <i>Journal of Materials Science</i> , 2018, 53, 12030-12039.	3.7	18
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