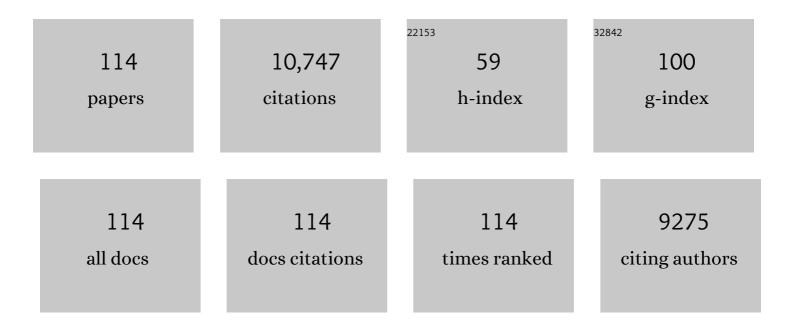
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Boosting Bifunctional Oxygen Electrocatalysis with 3D Graphene Aerogelâ€&upported Ni/MnO Particles. Advanced Materials, 2018, 30, 1704609.	21.0	547
2	Hybrid Polymer/Garnet Electrolyte with a Small Interfacial Resistance for Lithiumâ€lon Batteries. Angewandte Chemie - International Edition, 2017, 56, 753-756.	13.8	449
3	Photocatalytic CO ₂ Reduction by Carbon-Coated Indium-Oxide Nanobelts. Journal of the American Chemical Society, 2017, 139, 4123-4129.	13.7	434
4	Dual Singleâ€Atomic Niâ€N ₄ and Feâ€N ₄ Sites Constructing Janus Hollow Graphene for Selective Oxygen Electrocatalysis. Advanced Materials, 2020, 32, e2003134.	21.0	376
5	Ni ₃ Feâ€N Doped Carbon Sheets as a Bifunctional Electrocatalyst for Air Cathodes. Advanced Energy Materials, 2017, 7, 1601172.	19.5	369
6	Exploring Indiumâ€Based Ternary Thiospinel as Conceivable Highâ€Potential Airâ€Cathode for Rechargeable Zn–Air Batteries. Advanced Energy Materials, 2018, 8, 1802263.	19.5	248
7	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. Journal of Physical Chemistry C, 2013, 117, 9826-9834.	3.1	246
8	Novel Hydrogel-Derived Bifunctional Oxygen Electrocatalyst for Rechargeable Air Cathodes. Nano Letters, 2016, 16, 6516-6522.	9.1	241
9	Ni-foam supported Co(OH)F and Co–P nanoarrays for energy-efficient hydrogen production <i>via</i> urea electrolysis. Journal of Materials Chemistry A, 2019, 7, 3697-3703.	10.3	235
10	Na _{<i>x</i>} MV(PO ₄) ₃ (M = Mn, Fe, Ni) Structure and Properties for Sodium Extraction. Nano Letters, 2016, 16, 7836-7841.	9.1	229
11	Ternary metal sulfides for electrocatalytic energy conversion. Journal of Materials Chemistry A, 2019, 7, 9386-9405.	10.3	225
12	Hierarchically mesoporous nickel-iron nitride as a cost-efficient and highly durable electrocatalyst for Zn-air battery. Nano Energy, 2017, 39, 77-85.	16.0	216
13	Superior Oxygen Electrocatalysis on Nickel Indium Thiospinels for Rechargeable Zn–Air Batteries. , 2019, 1, 123-131.		199
14	Facile synthesis of Co–Fe–B–P nanochains as an efficient bifunctional electrocatalyst for overall water-splitting. Nanoscale, 2019, 11, 7506-7512.	5.6	195
15	Alveolate porous carbon aerogels supported Co9S8 derived from a novel hybrid hydrogel for bifunctional oxygen electrocatalysis. Carbon, 2019, 144, 557-566.	10.3	177
16	Ni ₃ FeN‣upported Fe ₃ Pt Intermetallic Nanoalloy as a Highâ€Performance Bifunctional Catalyst for Metal–Air Batteries. Angewandte Chemie - International Edition, 2017, 56, 9901-9905.	13.8	175
17	Interface engineering of oxygen-vacancy-rich CoP/CeO2 heterostructure boosts oxygen evolution reaction. Chemical Engineering Journal, 2020, 395, 125160.	12.7	174
18	Autocatalysis and Selective Oxidative Etching Induced Synthesis of Platinum–Copper Bimetallic Alloy Nanodendrites Electrocatalysts. ACS Applied Materials & Interfaces, 2014, 6, 7301-7308.	8.0	166

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19	Hierarchically Porous Co/Co <i>_x</i> M <i>_y</i> (M = P, N) as an Efficient Mott–Schottky Electrocatalyst for Oxygen Evolution in Rechargeable Zn–Air Batteries. Small, 2019, 15, e1901518.	10.0	163
20	Robust N-doped carbon aerogels strongly coupled with iron–cobalt particles as efficient bifunctional catalysts for rechargeable Zn–air batteries. Nanoscale, 2018, 10, 19937-19944.	5.6	144
21	Oxygen Vacancy–Rich Inâ€Doped CoO/CoP Heterostructure as an Effective Air Cathode for Rechargeable Zn–Air Batteries. Small, 2019, 15, e1904210.	10.0	142
22	Gd-induced electronic structure engineering of a NiFe-layered double hydroxide for efficient oxygen evolution. Journal of Materials Chemistry A, 2021, 9, 2999-3006.	10.3	133
23	Recent Advances in Carbonâ€Based Bifunctional Oxygen Electrocatalysts for Znâ^'Air Batteries. ChemElectroChem, 2018, 5, 1424-1434.	3.4	129
24	Trimetallic PtAgCu@PtCu core@shell concave nanooctahedrons with enhanced activity for formic acid oxidation reaction. Nano Energy, 2015, 12, 824-832.	16.0	126
25	Surface carbon layer controllable Ni3Fe particles confined in hierarchical N-doped carbon framework boosting oxygen evolution reaction. , 2022, 1, 100020.		124
26	Hydrogen-Intercalation-Induced Lattice Expansion of Pd@Pt Core–Shell Nanoparticles for Highly Efficient Electrocatalytic Alcohol Oxidation. Journal of the American Chemical Society, 2021, 143, 11262-11270.	13.7	121
27	Synthesis and electrocatalytic activity of Au@Pd core-shell nanothorns for the oxygen reduction reaction. Nano Research, 2014, 7, 1205-1214.	10.4	118
28	Gadoliniumâ€Induced Valence Structure Engineering for Enhanced Oxygen Electrocatalysis. Advanced Energy Materials, 2020, 10, 1903833.	19.5	114
29	Hollow Co ₃ O ₄ /CeO ₂ Heterostructures in Situ Embedded in N-Doped Carbon Nanofibers Enable Outstanding Oxygen Evolution. ACS Sustainable Chemistry and Engineering, 2019, 7, 17950-17957.	6.7	112
30	Concave PtCo nanocrosses for methanol oxidation reaction. Applied Catalysis B: Environmental, 2020, 277, 119135.	20.2	109
31	Arginine-Assisted Synthesis and Catalytic Properties of Single-Crystalline Palladium Tetrapods. ACS Applied Materials & Interfaces, 2014, 6, 22790-22795.	8.0	106
32	One-pot, water-based and high-yield synthesis of tetrahedral palladium nanocrystal decorated graphene. Nanoscale, 2013, 5, 8007.	5.6	105
33	General Strategy for Synthesis of Ordered Pt ₃ M Intermetallics with Ultrasmall Particle Size. Angewandte Chemie - International Edition, 2020, 59, 7857-7863.	13.8	103
34	Nitrogen vacancies enriched Ce-doped Ni3N hierarchical nanosheets triggering highly-efficient urea oxidation reaction in urea-assisted energy-saving electrolysis. Journal of Energy Chemistry, 2022, 69, 506-515.	12.9	97
35	Structurally Ordered Fe ₃ Pt Nanoparticles on Robust Nitride Support as a High Performance Catalyst for the Oxygen Reduction Reaction. Advanced Energy Materials, 2019, 9, 1803040.	19.5	96
36	B, N-doped ultrathin carbon nanosheet superstructure for high-performance oxygen reduction reaction in rechargeable zinc-air battery. Carbon, 2020, 164, 398-406.	10.3	96

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37	Recent progress in Co ₉ S ₈ -based materials for hydrogen and oxygen electrocatalysis. Journal of Materials Chemistry A, 2019, 7, 16068-16088.	10.3	95
38	Dendritic platinum–copper bimetallic nanoassemblies with tunable composition and structure: Arginine-driven self-assembly and enhanced electrocatalytic activity. Nano Research, 2016, 9, 755-765.	10.4	94
39	One-pot synthesis of three-dimensional platinum nanochain networks as stable and active electrocatalysts for oxygen reduction reactions. Journal of Materials Chemistry, 2012, 22, 13585.	6.7	92
40	Facile Synthesis of Porous Pd ₃ Pt Half‧hells with Rich "Active Sites―as Efficient Catalysts for Formic Acid Oxidation. Small, 2018, 14, e1703940.	10.0	92
41	Robust Fe ₃ Mo ₃ C Supported IrMn Clusters as Highly Efficient Bifunctional Air Electrode for Metal–Air Battery. Advanced Materials, 2017, 29, 1702385.	21.0	90
42	Bifunctional N-CoSe ₂ /3D-MXene as Highly Efficient and Durable Cathode for Rechargeable Zn–Air Battery. , 2019, 1, 432-439.		90
43	Boosting Oxygen Reduction Catalysis with N-doped Carbon Coated Co ₉ S ₈ Microtubes. ACS Applied Materials & Interfaces, 2018, 10, 25415-25421.	8.0	89
44	Ultrathin AgPt alloy nanowires as a high-performance electrocatalyst for formic acid oxidation. Nano Research, 2018, 11, 499-510.	10.4	86
45	Robust bifunctional oxygen electrocatalyst with a "rigid and flexible―structure for air-cathodes. NPG Asia Materials, 2018, 10, 618-629.	7.9	83
46	Engineering hollow porous platinum-silver double-shelled nanocages for efficient electro-oxidation of methanol. Applied Catalysis B: Environmental, 2021, 282, 119595.	20.2	82
47	Three-Dimensional Graphene-Supported Ni ₃ Fe/Co ₉ S ₈ Composites: Rational Design and Active for Oxygen Reversible Electrocatalysis. ACS Applied Materials & Interfaces, 2019, 11, 4028-4036.	8.0	79
48	Sulfurated Metal–Organic Framework-Derived Nanocomposites for Efficient Bifunctional Oxygen Electrocatalysis and Rechargeable Zn–Air Battery. ACS Sustainable Chemistry and Engineering, 2020, 8, 9226-9234.	6.7	79
49	Ptâ€Pdâ€Co Trimetallic Alloy Network Nanostructures with Superior Electrocatalytic Activity towards the Oxygen Reduction Reaction. Chemistry - A European Journal, 2014, 20, 585-590.	3.3	76
50	Core–shell CuPd@Pd tetrahedra with concave structures and Pd-enriched surface boost formic acid oxidation. Journal of Materials Chemistry A, 2018, 6, 10632-10638.	10.3	75
51	Recent advances in rare-earth-based materials for electrocatalysis. Chem Catalysis, 2022, 2, 967-1008.	6.1	75
52	Hybrid Polymer/Garnet Electrolyte with a Small Interfacial Resistance for Lithiumâ€lon Batteries. Angewandte Chemie, 2017, 129, 771-774.	2.0	72
53	Surface chemical reconstruction of hierarchical hollow inverse-spinel manganese cobalt oxide boosting oxygen evolution reaction. Chemical Engineering Journal, 2022, 431, 133829.	12.7	72
54	Catalytic activities for methanol oxidation on ultrathin CuPt ₃ wavy nanowires with/without smart polymer. Chemical Science, 2016, 7, 5414-5420.	7.4	71

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55	Polyallylamine Functionalized Palladium Icosahedra: One-Pot Water-Based Synthesis and Their Superior Electrocatalytic Activity and Ethanol Tolerant Ability in Alkaline Media. Langmuir, 2013, 29, 4413-4420.	3.5	69
56	Polyallylamine-directed green synthesis of platinum nanocubes. Shape and electronic effect codependent enhanced electrocatalytic activity. Physical Chemistry Chemical Physics, 2013, 15, 3793.	2.8	68
57	Hollow yolk-shell nanoboxes assembled by Fe-doped Mn3O4 nanosheets for high-efficiency electrocatalytic oxygen reduction in Zn-Air battery. Chemical Engineering Journal, 2022, 427, 131992.	12.7	68
58	Facile synthesis based on novel carbon-supported cyanogel of structurally ordered Pd3Fe/C as electrocatalyst for formic acid oxidation. Nano Research, 2018, 11, 4686-4696.	10.4	67
59	Polyhedral Palladium–Silver Alloy Nanocrystals as Highly Active and Stable Electrocatalysts for the Formic Acid Oxidation Reaction. Scientific Reports, 2015, 5, 13703.	3.3	64
60	Interface engineering in transition metal-based heterostructures for oxygen electrocatalysis. Materials Chemistry Frontiers, 2021, 5, 1033-1059.	5.9	64
61	Iminodiacetonitrile induce-synthesis of two-dimensional PdNi/Ni@carbon nanosheets with uniform dispersion and strong interface bonding as an effective bifunctional eletrocatalyst in air-cathode. Energy Storage Materials, 2021, 42, 118-128.	18.0	64
62	Rareâ€Earth Singleâ€Atom Catalysts: A New Frontier in Photo/Electrocatalysis. Small Methods, 2022, 6, .	8.6	63
63	Porous PdRh nanobowls: facile synthesis and activity for alkaline ethanol oxidation. Nanoscale, 2019, 11, 2974-2980.	5.6	62
64	Highly branched platinum nanolance assemblies by polyallylamine functionalization as superior active, stable, and alcohol-tolerant oxygen reduction electrocatalysts. Nanoscale, 2014, 6, 8226-8234.	5.6	61
65	Highly simple and rapid synthesis of ultrathin gold nanowires with (111)-dominant facets and enhanced electrocatalytic properties. Journal of Materials Chemistry A, 2018, 6, 17682-17687.	10.3	61
66	Nanobranched porous palladium–tin intermetallics: One-step synthesis and their superior electrocatalysis towards formic acid oxidation. Journal of Power Sources, 2015, 280, 141-146.	7.8	60
67	Facile water-based synthesis and catalytic properties of platinum–gold alloy nanocubes. CrystEngComm, 2014, 16, 1606-1610.	2.6	59
68	Spinel MnCo2O4 nanoparticles cross-linked with two-dimensional porous carbon nanosheets as a high-efficiency oxygen reduction electrocatalyst. Nano Research, 2016, 9, 2110-2122.	10.4	57
69	Hydrothermal synthesis of Pt–Ag alloy nano-octahedra and their enhanced electrocatalytic activity for the methanol oxidation reaction. Nanoscale, 2014, 6, 12310-12314.	5.6	56
70	Recent Advances in Electrocatalysts for Alkaline Hydrogen Oxidation Reaction. Small, 2021, 17, e2100391.	10.0	56
71	Citrulline-induced mesoporous CoS/CoO heterojunction nanorods triggering high-efficiency oxygen electrocatalysis in solid-state Zn-air batteries. Chemical Engineering Journal, 2022, 434, 134744.	12.7	55
72	Preparation of highly dispersed palladium–phosphorus nanoparticles and its electrocatalytic performance for formic acid electrooxidation. Electrochimica Acta, 2012, 59, 279-283.	5.2	54

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73	Atomically Dispersed CoN ₄ /B, N-C Nanotubes Boost Oxygen Reduction in Rechargeable Zn–Air Batteries. ACS Applied Energy Materials, 2020, 3, 4539-4548.	5.1	53
74	One-step synthesis and catalytic properties of porous palladium nanospheres. Journal of Materials Chemistry, 2012, 22, 17604.	6.7	50
75	Green synthesis and catalytic properties of polyallylamine functionalized tetrahedral palladium nanocrystals. Applied Catalysis B: Environmental, 2013, 138-139, 167-174.	20.2	48
76	l-Glutamic acid derived PtPd@Pt core/satellite nanoassemblies as an effectively cathodic electrocatalyst. Journal of Materials Chemistry A, 2017, 5, 3774-3779.	10.3	46
77	Efficient anchorage of highly dispersed and ultrafine palladium nanoparticles on the water-soluble phosphonate functionalized multiwall carbon nanotubes. Applied Catalysis B: Environmental, 2013, 129, 394-402.	20.2	43
78	Cu ₅ Pt Dodecahedra with Low-Pt Content: Facile Synthesis and Outstanding Formic Acid Electrooxidation. ACS Applied Materials & Interfaces, 2019, 11, 34869-34877.	8.0	43
79	1-Naphthol induced Pt3Ag nanocorals as bifunctional cathode and anode catalysts of direct formic acid fuel cells. Nano Research, 2019, 12, 323-329.	10.4	43
80	Embedded PdFe@N-carbon nanoframes for oxygen reduction in acidic fuel cells. Carbon, 2020, 164, 369-377.	10.3	43
81	Treelike two-level PdxAgy nanocrystals tailored for bifunctional fuel cell electrocatalysis. Journal of Materials Chemistry A, 2019, 7, 5248-5257.	10.3	42
82	Sub-5 nm palladium nanoparticles <i>in situ</i> embedded in N-doped carbon nanoframes: facile synthesis, excellent sinter resistance and electrocatalytic properties. Journal of Materials Chemistry A, 2019, 7, 26243-26249.	10.3	40
83	Hydrogelâ€Derived Honeycomb Ni ₃ S ₄ /N,Pâ€C as an Efficient Oxygen Evolution Catalyst. Chemistry - A European Journal, 2019, 25, 7561-7568.	3.3	38
84	In Situ Integration of Ultrathin PtCu Nanowires with Reduced Graphene Oxide Nanosheets for Efficient Electrocatalytic Oxygen Reduction. Chemistry - A European Journal, 2017, 23, 16871-16876.	3.3	36
85	Arginine-mediated synthesis of cube-like platinum nanoassemblies as efficient electrocatalysts. Nano Research, 2015, 8, 3963-3971.	10.4	34
86	<scp>l</scp> -Lysine mediated synthesis of platinum nanocuboids and their electrocatalytic activity towards ammonia oxidation. Journal of Materials Chemistry A, 2014, 2, 17883-17888.	10.3	31
87	Hollow and porous palladium nanocrystals: synthesis and electrocatalytic application. Journal of Materials Chemistry A, 2015, 3, 21995-21999.	10.3	31
88	Multi-generation overgrowth induced synthesis of three-dimensional highly branched palladium tetrapods and their electrocatalytic activity for formic acid oxidation. Nanoscale, 2014, 6, 2776.	5.6	30
89	General Strategy for Synthesis of Pd ₃ M (M = Co and Ni) Nanoassemblies as Highâ€Performance Catalysts for Electrochemical Oxygen Reduction. Advanced Materials Interfaces, 2018, 5, 1701015.	3.7	30
90	3D Robust Carbon Aerogels Immobilized with Pd ₃ Pb Nanoparticles for Oxygen Reduction Catalysis. ACS Applied Nano Materials, 2018, 1, 1904-1911.	5.0	29

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91	Facile synthesis of channel-rich ultrathin palladium-silver nanosheets for highly efficient formic acid electrooxidation. Materials Today Energy, 2021, 19, 100596.	4.7	28
92	White phosphorus derived PdAu–P ternary alloy for efficient methanol electrooxidation. Catalysis Science and Technology, 2017, 7, 3355-3360.	4.1	27
93	A novel strategy for the synthesis of hollow Pt–Cu tetradecahedrons as an efficient electrocatalyst toward methanol oxidation. CrystEngComm, 2019, 21, 1903-1909.	2.6	26
94	Ni ₃ FeN‣upported Fe ₃ Pt Intermetallic Nanoalloy as a Highâ€Performance Bifunctional Catalyst for Metal–Air Batteries. Angewandte Chemie, 2017, 129, 10033-10037.	2.0	25
95	Facile synthesis of porous PdCu nanoboxes for efficient chromium(<scp>vi</scp>) reduction. CrystEngComm, 2019, 21, 3654-3659.	2.6	23
96	A facile, one-pot synthesis of highly branched Au nanocorals and their enhanced electrocatalytic activity for ethanol oxidation. CrystEngComm, 2014, 16, 8576-8581.	2.6	21
97	Arginine-assisted synthesis of palladium nanochain networks and their enhanced electrocatalytic activity for borohydride oxidation. RSC Advances, 2015, 5, 18111-18115.	3.6	21
98	Carbon supported ultrafine gold phosphorus nanoparticles as highly efficient electrocatalyst for alkaline ethanol oxidation reaction. Electrochimica Acta, 2017, 231, 13-19.	5.2	21
99	MoS _{0.5} Se _{1.5} Embedded in 2D Porous Carbon Sheets Boost Lithium Storage Performance as an Anode Material. Advanced Materials Interfaces, 2018, 5, 1701604.	3.7	20
100	General Strategy for Synthesis of Ordered Pt ₃ M Intermetallics with Ultrasmall Particle Size. Angewandte Chemie, 2020, 132, 7931-7937.	2.0	20
101	Recent Advances in Aminoâ€Based Molecules Assisted Control of Nobleâ€Metal Electrocatalysts. Small, 2021, 17, 2007179.	10.0	19
102	Boosting Electrocatalytic Oxygen Evolution over Ceâ^'Co ₉ S ₈ Core–Shell Nanoneedle Arrays by Electronic and Architectural Dual Engineering. Chemistry - A European Journal, 2022, 28, .	3.3	19
103	FeOOH-Templated synthesis of hollow porous platinum nanotubes as superior electrocatalysts towards methanol electrooxidation. New Journal of Chemistry, 2017, 41, 8812-8817.	2.8	18
104	Ptâ€Like Oxygen Reduction Activity Induced by Costâ€Effective MnFeO ₂ /N arbon. Chemistry - A European Journal, 2019, 25, 6226-6232.	3.3	18
105	Recent progress of electrospun porous carbon-based nanofibers for oxygen electrocatalysis. Materials Today Energy, 2021, 22, 100850.	4.7	18
106	PdCo/Pd-Hexacyanocobaltate Hybrid Nanoflowers: Cyanogel-Bridged One-Pot Synthesis and Their Enhanced Catalytic Performance. Scientific Reports, 2016, 6, 32402.	3.3	17
107	Fabrication of phosphonate functionalized platinum nanoclusters and their application in hydrogen peroxide sensing in the presence of oxygen. Electrochimica Acta, 2012, 80, 233-239.	5.2	11
108	Water-based synthesis and sensing application of polyallylamine functionalized platinum nanodendrite assemblies. Journal of Materials Chemistry A, 2013, 1, 14874.	10.3	11

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109	Synthesis, Selfâ€Assembly, and Electrocatalysis of Polyallylamineâ€Functionalized Platinum Nanocubes. ChemPlusChem, 2013, 78, 623-627.	2.8	11
110	The use of amino-based functional molecules for the controllable synthesis of noble-metal nanocrystals: a minireview. Nanoscale Advances, 2021, 3, 1813-1829.	4.6	10
111	Hybrid-Cyanogels Induced Sandwich-like N,P-Carbon/SnNi10P3 for Excellent Lithium Storage. ACS Applied Energy Materials, 2019, 2, 3683-3691.	5.1	8
112	<i>ChemElectroChem</i> : Beyond Lithiumâ€lon Batteries. ChemElectroChem, 2021, 8, 1149-1149.	3.4	4
113	Editorial: Carbon-Based Bifunctional Oxygen Electrocatalysts. Frontiers in Chemistry, 2020, 8, 713.	3.6	2
114	Facile Synthesis of Interconnected Porous Pt Nanospheres for Efficient Electrocatalytic Formic Acid Oxidation. Science of Advanced Materials, 2016, 8, 1268-1274.	0.7	0