

# Ya-Wen Tang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189  
papers

8,408  
citations

51  
h-index

84  
g-index

198  
ext. papers

10,619  
ext. citations

9.2  
avg, IF

6.68  
L-index

#	Paper	IF	Citations
189	Synthesis of Co/CeO hetero-particles with abundant oxygen-vacancies supported by carbon aerogels for ORR and OER.. <i>Nanoscale</i> , <b>2022</b> ,	7.7	3
188	Nitrogen vacancies enriched Ce-doped Ni <sub>3</sub> N hierarchical nanosheets triggering highly-efficient urea oxidation reaction in urea-assisted energy-saving electrolysis. <i>Journal of Energy Chemistry</i> , <b>2022</b> ,	12	7
187	Citrulline-induced mesoporous CoS/CoO heterojunction nanorods triggering high-efficiency oxygen electrocatalysis in solid-state Zn-air batteries. <i>Chemical Engineering Journal</i> , <b>2022</b> , 434, 134744	14.7	4
186	Manipulation of Mott-Schottky Ni/CeO Heterojunctions into N-Doped Carbon Nanofibers for High-Efficiency Electrochemical Water Splitting.. <i>Small</i> , <b>2022</b> , e2106592	11	5
185	Surface carbon layer controllable Ni <sub>3</sub> Fe particles confined in hierarchical N-doped carbon framework boosting oxygen evolution reaction <b>2022</b> , 1, 100020		27
184	Carbon Nanotubes Interconnected NiCo Layered Double Hydroxide Rhombic Dodecahedral Nanocages for Efficient Oxygen Evolution Reaction.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	1
183	Recent advances in rare-earth-based materials for electrocatalysis. <i>Chem Catalysis</i> , <b>2022</b> ,		10
182	Stable and fast SiMo ternary anodes enabled by interfacial engineering. <i>Journal of Power Sources</i> , <b>2022</b> , 530, 231290	8.9	0
181	Modification of surface electronic structure via Ru-doping: Porous RuCoFeP nanocubes to boost the oxygen evolution reaction. <i>Journal of Power Sources</i> , <b>2022</b> , 537, 231506	8.9	0
180	Surface chemical reconstruction of hierarchical hollow inverse-spinel manganese cobalt oxide boosting oxygen evolution reaction. <i>Chemical Engineering Journal</i> , <b>2021</b> , 431, 133829	14.7	12
179	Atomically Dispersed Mo Sites Anchored on Multichannel Carbon Nanofibers toward Superior Electrocatalytic Hydrogen Evolution. <i>ACS Nano</i> , <b>2021</b> ,	16.7	8
178	Atomically ordered RhP catalysts anchored within hollow mesoporous carbon for efficient hydrogen production. <i>Chemical Communications</i> , <b>2021</b> , 57, 12345-12348	5.8	2
177	Coupling Hierarchical Ultrathin Co Nanosheets With N-Doped Carbon Plate as High-Efficiency Oxygen Evolution Electrocatalysts. <i>Frontiers in Nanotechnology</i> , <b>2021</b> , 3,	5.5	2
176	Recent Advances in Amino-Based Molecules Assisted Control of Noble-Metal Electrocatalysts. <i>Small</i> , <b>2021</b> , 17, e2007179	11	12
175	One-Step Template/Solvent-Free Pyrolysis for In Situ Immobilization of CoP Nanoparticles onto N and P Co-Doped Carbon Porous Nanosheets towards High-efficiency Electrocatalytic Hydrogen Evolution. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 9850-9857	4.8	3
174	Engineering hollow porous platinum-silver double-shelled nanocages for efficient electro-oxidation of methanol. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 282, 119595	21.8	35
173	Interfacial Engineering-Triggered Bifunctionality of CoS /MoS Nanocubes/Nanosheet Arrays for High-Efficiency Overall Water Splitting. <i>ChemSusChem</i> , <b>2021</b> , 14, 699-708	8.3	23

172	Low-Load Pt Nanoclusters Anchored on Graphene Hollow Spheres for Efficient Hydrogen Evolution. <i>Small Structures</i> , <b>2021</b> , 2, 2000017	8.7	27
171	Facile formation of Fe-doped NiCoP hollow nanocages as bifunctional electrocatalysts for overall water splitting. <i>CrystEngComm</i> , <b>2021</b> , 23, 3861-3869	3.3	3
170	immobilization of Fe/FeC/FeO hollow hetero-nanoparticles onto nitrogen-doped carbon nanotubes towards high-efficiency electrocatalytic oxygen reduction. <i>Nanoscale</i> , <b>2021</b> , 13, 5400-5409	7.7	9
169	N-doped graphene anchored ultrasmall Ir nanoparticles as bifunctional electrocatalyst for overall water splitting. <i>Green Energy and Environment</i> , <b>2021</b> ,	5.7	1
168	Recent advances in phosphorus containing noble metal electrocatalysts for direct liquid fuel cells. <i>Nanoscale</i> , <b>2021</b> , 13, 16052-16069	7.7	4
167	Modulating Hydroxyl-Rich Interfaces on Nickel-Copper Double Hydroxide Nanotubes to Pre-activate Alkaline Ammonia Oxidation Reactivity. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 4869-4875	4.8	3
166	Atomic Crystal Facet Engineering of Core-Shell Nanotetrahedrons Restricted under Sub-10 Nanometer Region. <i>ACS Nano</i> , <b>2021</b> , 15, 5178-5188	16.7	11
165	Covalent binding of holey SiBiC layer on graphene aerogel with enhanced lithium storage kinetics and capability. <i>Surface and Coatings Technology</i> , <b>2021</b> , 420, 127336	4.4	1
164	Iminodiacetonitrile induce-synthesis of two-dimensional PdNi/Ni@carbon nanosheets with uniform dispersion and strong interface bonding as an effective bifunctional electrocatalyst in air-cathode. <i>Energy Storage Materials</i> , <b>2021</b> , 42, 118-128	19.4	27
163	Recent progress of electrospun porous carbon-based nanofibers for oxygen electrocatalysis. <i>Materials Today Energy</i> , <b>2021</b> , 22, 100850	7	8
162	Interpenetrating gels as conducting/adhering matrices enabling high-performance silicon anodes. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 12003-12008	13	2
161	Synthesis of monodisperse high entropy alloy nanocatalysts from core@shell nanoparticles. <i>Nanoscale Horizons</i> , <b>2021</b> , 6, 231-237	10.8	12
160	A nitrogen-doped NiCo <sub>2</sub> S <sub>4</sub> /CoO hollow multi-layered heterostructure microsphere for efficient oxygen evolution in Zn-air batteries. <i>Nanoscale</i> , <b>2021</b> , 13, 810-818	7.7	9
159	Gd-induced electronic structure engineering of a NiFe-layered double hydroxide for efficient oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 2999-3006	13	44
158	The use of amino-based functional molecules for the controllable synthesis of noble-metal nanocrystals: a minireview. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 1813-1829	5.1	2
157	Hollow platinum tetrapods: using a combination of {111} facets, surface concave topology, and ultrathin walls to boost their oxygen reduction reactivity. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 11537 <sup>13</sup> 11544 <sup>24</sup>		
156	Ultrafine Ir Nanowires with Microporous Channels and Superior Electrocatalytic Activity for Oxygen Evolution Reaction. <i>ChemCatChem</i> , <b>2020</b> , 12, 3060-3067	5.2	9
155	Atomically Dispersed CoN <sub>4</sub> /B, N-C Nanotubes Boost Oxygen Reduction in Rechargeable Zn  Air Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 4539-4548	6.1	27

154	Interface engineering of oxygen-vacancy-rich CoP/CeO <sub>2</sub> heterostructure boosts oxygen evolution reaction. <i>Chemical Engineering Journal</i> , <b>2020</b> , 395, 125160	14.7	81
153	Dual Single-Atomic Ni-N and Fe-N Sites Constructing Janus Hollow Graphene for Selective Oxygen Electrocatalysis. <i>Advanced Materials</i> , <b>2020</b> , 32, e2003134	24	197
152	Electronic structural regulation of CoP nanorods by the tunable incorporation of oxygen for enhanced electrocatalytic activity during the hydrogen evolution reaction. <i>Nanoscale</i> , <b>2020</b> , 12, 14733-14738	12.7	12
151	In-situ growth of Ni nanoparticle-encapsulated N-doped carbon nanotubes on carbon nanorods for efficient hydrogen evolution electrocatalysis. <i>Nano Research</i> , <b>2020</b> , 13, 975-982	10	25
150	In Situ Growth of Ultrafine Pt Nanoparticles onto Hierarchical Co O Nanosheet-Assembled Microflowers for Efficient Electrocatalytic Hydrogen Evolution. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 15103-15108	4.8	7
149	Trimetallic Au@PdPb nanowires for oxygen reduction reaction. <i>Nano Research</i> , <b>2020</b> , 13, 2691-2696	10	21
148	General Strategy for Synthesis of Ordered Pt <sub>3</sub> M Intermetallics with Ultrasmall Particle Size. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7931-7937	3.6	15
147	Intermetallic PdPb nanocubes with high selectivity for the 4-electron oxygen reduction reaction pathway. <i>Nanoscale</i> , <b>2020</b> , 12, 2532-2541	7.7	21
146	Atom-Ratio-Conducted Tailoring of PdAu Bimetallic Nanocrystals with Distinctive Shapes and Dimensions for Boosting the ORR Performance. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 4480-4488	4.8	2
145	Gadolinium-Induced Valence Structure Engineering for Enhanced Oxygen Electrocatalysis. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903833	21.8	61
144	Embedded PdFe@N-carbon nanoframes for oxygen reduction in acidic fuel cells. <i>Carbon</i> , <b>2020</b> , 164, 369-374	17.4	28
143	Pd Growth Patterns: Shape Control of Monodispersed Sub-5 nm Pd Tetrahedrons and Lacinate Pd Nanourchins by Maneuvering the Dispersed State of Additives for Boosting ORR Performance (Small 6/2020). <i>Small</i> , <b>2020</b> , 16, 2070032	11	
142	Concave PtCo nanocrosses for methanol oxidation reaction. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119135	21.8	41
141	Agar-induced hollow porous carbon nanospheres anchored platinum for high-performance hydrogenation. <i>Chemosphere</i> , <b>2020</b> , 243, 125387	8.4	2
140	Concave PtCo nanooctahedra with high-energy {110} facets for the oxygen reduction reaction. <i>CrystEngComm</i> , <b>2020</b> , 22, 1541-1546	3.3	8
139	In situ immobilization of isolated Pd single-atoms on graphene by employing amino-functionalized rigid molecules and their prominent catalytic performance. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 450-457	5.5	4
138	Regulating the Electronic Structure of CoP Nanosheets by O Incorporation for High-Efficiency Electrochemical Overall Water Splitting. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1905252	15.6	124
137	Shape Control of Monodispersed Sub-5 nm Pd Tetrahedrons and Lacinate Pd Nanourchins by Maneuvering the Dispersed State of Additives for Boosting ORR Performance. <i>Small</i> , <b>2020</b> , 16, e1906026	11	16

136	Metal-Organic Framework-Derived Fe-Doped Co Te Embedded in Nitrogen-Doped Carbon Nanotube for Water Splitting. <i>ChemSusChem</i> , <b>2020</b> , 13, 5239-5247	8.3	11
135	Electronic modulation by N incorporation boosts the electrocatalytic performance of urchin-like Ni <sub>5</sub> P <sub>4</sub> hollow microspheres for hydrogen evolution. <i>Chemical Engineering Journal</i> , <b>2020</b> , 402, 126302	14.7	22
134	Facile fabrication of hierarchical Rh <sub>2</sub> Ir alloy nanodendrites with excellent HER performance in a broad pH range. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 21021-21025	3.6	5
133	Breaking the lattice match of Pd on Au(111) nanowires: manipulating the island and epitaxial growth pathways to boost the oxygen reduction reactivity. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 19300-19308	13	10
132	Pd nanochains: Controlled synthesis by lysine and application in microbial fuel cells. <i>Chemical Engineering Journal</i> , <b>2020</b> , 379, 122230	14.7	15
131	N-carbon supported hierarchical Ni/Ni <sub>0.2</sub> Mo <sub>0.8</sub> N nanosheets as high-efficiency oxygen evolution electrocatalysts. <i>Chemical Engineering Journal</i> , <b>2020</b> , 392, 124845	14.7	19
130	General Strategy for Synthesis of Ordered Pt M Intermetallics with Ultrasmall Particle Size. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7857-7863	16.4	51
129	Facile synthesis of PdFe alloy tetrahedrons for boosting electrocatalytic properties towards formic acid oxidation. <i>Nanoscale</i> , <b>2019</b> , 11, 18015-18020	7.7	8
128	CuPt Dodecahedra with Low-Pt Content: Facile Synthesis and Outstanding Formic Acid Electrooxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 34869-34877	9.5	30
127	Treelike two-level Pd <sub>x</sub> Ag <sub>y</sub> nanocrystals tailored for bifunctional fuel cell electrocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 5248-5257	13	32
126	Porous PdRh nanobowls: facile synthesis and activity for alkaline ethanol oxidation. <i>Nanoscale</i> , <b>2019</b> , 11, 2974-2980	7.7	44
125	High-density growth of ultrafine PdIr nanowires on graphene: reducing the graphene wrinkles and serving as efficient bifunctional electrocatalysts for water splitting. <i>Nanoscale</i> , <b>2019</b> , 11, 14561-14568	7.7	10
124	Hierarchically Porous Co/Co M (M = P, N) as an Efficient Mott-Schottky Electrocatalyst for Oxygen Evolution in Rechargeable Zn-Air Batteries. <i>Small</i> , <b>2019</b> , 15, e1901518	11	108
123	Superior Oxygen Electrocatalysis on Nickel Indium Thiospinels for Rechargeable Zn/Air Batteries <b>2019</b> , 1, 123-131		135
122	Recent progress in Co <sub>9</sub> S <sub>8</sub> -based materials for hydrogen and oxygen electrocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16068-16088	13	66
121	Construction of Ir-Co/C nanocomposites and their application in ammonia oxidation reaction. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 838, 101-106	4.1	8
120	Pt-Like Oxygen Reduction Activity Induced by Cost-Effective MnFeO /N-Carbon. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 6226-6232	4.8	12
119	Hydrogel-Derived Honeycomb Ni S /N,P-C as an Efficient Oxygen Evolution Catalyst. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 7561-7568	4.8	28

118	A novel strategy for the synthesis of hollow PtCu tetradecahedrons as an efficient electrocatalyst toward methanol oxidation. <i>CrystEngComm</i> , <b>2019</b> , 21, 1903-1909	3.3	20
117	Highly-Branched Palladium Nanodandelions: Simple, Fast, and Green Fabrication with Superior Oxygen Reduction Property. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 4920-4926	4.8	5
116	Inorganic Gel-Derived Metallic Frameworks Enabling High-Performance Silicon Anodes. <i>Nano Letters</i> , <b>2019</b> , 19, 6292-6298	11.5	35
115	Immobilization of Fe <sub>3</sub> N nanoparticles within N-doped carbon nanosheet frameworks as a high-efficiency electrocatalyst for oxygen reduction reaction in Zn-air batteries. <i>Carbon</i> , <b>2019</b> , 153, 364-371	10.4	33
114	Immobilization of Fe-Doped NiP Particles Within Biomass Agarose-Derived Porous N,P-Carbon Nanosheets for Efficient Bifunctional Oxygen Electrocatalysis. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 523	5	10
113	Hollow Co <sub>3</sub> O <sub>4</sub> /CeO <sub>2</sub> Heterostructures in Situ Embedded in N-Doped Carbon Nanofibers Enable Outstanding Oxygen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 17950-17957	8.3	63
112	Sub-5 nm palladium nanoparticles in situ embedded in N-doped carbon nanoframes: facile synthesis, excellent sinter resistance and electrocatalytic properties. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 26243-26249	13	25
111	Chemically Binding Scaffolded Anodes with 3D Graphene Architectures Realizing Fast and Stable Lithium Storage. <i>Research</i> , <b>2019</b> , 2019, 8393085	7.8	19
110	Zinc-air batteries: are they ready for prime time?. <i>Chemical Science</i> , <b>2019</b> , 10, 8924-8929	9.4	110
109	Facile fabrication of a hierarchical NiCoFeP hollow nanoprism for efficient oxygen evolution in the ZnAir battery. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 24964-24972	13	33
108	Atomic Fe Dispersed on N-Doped Carbon Hollow Nanospheres for High-Efficiency Electrocatalytic Oxygen Reduction. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806312	24	296
107	Alveolate porous carbon aerogels supported Co <sub>9</sub> S <sub>8</sub> derived from a novel hybrid hydrogel for bifunctional oxygen electrocatalysis. <i>Carbon</i> , <b>2019</b> , 144, 557-566	10.4	109
106	Isolated Fe Single Atomic Sites Anchored on Highly Steady Hollow Graphene Nanospheres as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. <i>Advanced Science</i> , <b>2019</b> , 6, 1801103	13.6	59
105	Three-Dimensional Graphene-Supported NiFe/CoS Composites: Rational Design and Active for Oxygen Reversible Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 4028-4036	9.5	60
104	Delicate topotactic conversion of coordination polymers to Pd porous nanosheets for high-efficiency electrocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 243, 86-93	21.8	42
103	1-Naphthol induced Pt <sub>3</sub> Ag nanocorals as bifunctional cathode and anode catalysts of direct formic acid fuel cells. <i>Nano Research</i> , <b>2019</b> , 12, 323-329	10	26
102	One-pot synthesis of Ag-rich AgPd alloy nanoactiniae and their enhanced electrocatalytic activity toward oxygen reduction. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 28, 111-117	12	13
101	Recent Advances in Carbon-Based Bifunctional Oxygen Electrocatalysts for ZnAir Batteries. <i>ChemElectroChem</i> , <b>2018</b> , 5, 1424-1434	4.3	102

100	Double-Network Nanostructured Hydrogel-Derived Ultrafine Sn-Fe Alloy in Three-Dimensional Carbon Framework for Enhanced Lithium Storage. <i>Nano Letters</i> , <b>2018</b> , 18, 3193-3198	11.5	90
99	Facile synthesis based on novel carbon-supported cyanogel of structurally ordered Pd <sub>3</sub> Fe/C as electrocatalyst for formic acid oxidation. <i>Nano Research</i> , <b>2018</b> , 11, 4686-4696	10	42
98	Achieving Highly Electrocatalytic Performance by Constructing Holey Reduced Graphene Oxide Hollow Nanospheres Sandwiched by Interior and Exterior Platinum Nanoparticles. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 2341-2349	6.1	15
97	Facile Synthesis of Porous Pd Pt Half-Shells with Rich "Active Sites" as Efficient Catalysts for Formic Acid Oxidation. <i>Small</i> , <b>2018</b> , 14, e1703940	11	73
96	Induction of Au-methotrexate conjugates by sugar molecules: production, assembly mechanism, and bioassay studies. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 538, 65-78	6.5	3
95	Mo <sub>0.5</sub> Se <sub>1.5</sub> Embedded in 2D Porous Carbon Sheets Boost Lithium Storage Performance as an Anode Material. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701604	4.6	14
94	High-Performance Oxygen Reduction Electrocatalysis Enabled by 3D PdNi Nanocorals with Hierarchical Porosity. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1700366	3.1	13
93	Cyanogel-Enabled Homogeneous Sb-Ni-C Ternary Framework Electrodes for Enhanced Sodium Storage. <i>ACS Nano</i> , <b>2018</b> , 12, 759-767	16.7	63
92	Ultrathin AgPt alloy nanowires as a high-performance electrocatalyst for formic acid oxidation. <i>Nano Research</i> , <b>2018</b> , 11, 499-510	10	66
91	A General Strategy for the Synthesis of PtM (M=Fe, Co, Ni) Decorated Three-Dimensional Hollow Graphene Nanospheres for Efficient Methanol Electrooxidation. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1246-1252	4.8	48
90	Facile synthesis of a graphene/nickel-cobalt hydroxide ternary hydrogel for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 531, 593-601	9.3	9
89	Robust bifunctional oxygen electrocatalyst with a rigid and flexible structure for air-cathodes. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 618-629	10.3	72
88	Highly simple and rapid synthesis of ultrathin gold nanowires with (111)-dominant facets and enhanced electrocatalytic properties. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 17682-17687	13	45
87	General Strategy for Synthesis of Pd <sub>3</sub> M (M = Co and Ni) Nanoassemblies as High-Performance Catalysts for Electrochemical Oxygen Reduction. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701015	4.6	23
86	Boosting Bifunctional Oxygen Electrocatalysis with 3D Graphene Aerogel-Supported Ni/MnO Particles. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704609	24	389
85	Robust N-doped carbon aerogels strongly coupled with iron-cobalt particles as efficient bifunctional catalysts for rechargeable Zn-air batteries. <i>Nanoscale</i> , <b>2018</b> , 10, 19937-19944	7.7	108
84	Encapsulation of Ni <sub>3</sub> Fe Nanoparticles in N-Doped Carbon Nanotube-Grafted Carbon Nanofibers as High-Efficiency Hydrogen Evolution Electrocatalysts. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1805828	15.6	124
83	Exploring Indium-Based Ternary Thiospinel as Conceivable High-Potential Air-Cathode for Rechargeable Zn-Air Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1802263	21.8	164

82	Core-shell CuPd@Pd tetrahedra with concave structures and Pd-enriched surface boost formic acid oxidation. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 10632-10638	13	60
81	Nanotube-shaped PtFe intermetallics: controlled synthesis, crystal structure, and improved electrocatalytic activities. <i>CrystEngComm</i> , <b>2018</b> , 20, 4277-4282	3.3	7
80	Carbon supported ultrafine gold phosphorus nanoparticles as highly efficient electrocatalyst for alkaline ethanol oxidation reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 231, 13-19	6.7	17
79	Proline-derived in situ synthesis of nitrogen-doped porous carbon nanosheets with encaged Fe <sub>2</sub> O <sub>3</sub> @Fe <sub>3</sub> C nanoparticles for lithium-ion battery anodes. <i>Nano Research</i> , <b>2017</b> , 10, 3164-3177	10	21
78	Hybrid aerogel-derived Sn-Ni alloy immobilized within porous carbon/graphene dual matrices for high-performance lithium storage. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 501, 267-272	9.3	17
77	Hierarchically mesoporous nickel-iron nitride as a cost-efficient and highly durable electrocatalyst for Zn-air battery. <i>Nano Energy</i> , <b>2017</b> , 39, 77-85	17.1	172
76	Ethylenediamine tetramethylene phosphonic acid assisted synthesis of palladium nanocubes and their electrocatalysis of formic acid oxidation. <i>Journal of Solid State Electrochemistry</i> , <b>2017</b> , 21, 1297-1303	2.6	4
75	In Situ Integration of Ultrathin PtCu Nanowires with Reduced Graphene Oxide Nanosheets for Efficient Electrocatalytic Oxygen Reduction. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 16871-16876	4.8	27
74	White phosphorus derived PdAu ternary alloy for efficient methanol electrooxidation. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 3355-3360	5.5	22
73	3D Space-Confined Pyrolysis of Double-Network Aerogels Containing InFe Cyanogel and Polyaniline: A New Approach to Hierarchically Porous Carbon with Exclusive FeNx Active Sites for Oxygen Reduction Catalysis. <i>Small Methods</i> , <b>2017</b> , 1, 1700167	12.8	67
72	Anchoring CoFeO Nanoparticles on N-Doped Carbon Nanofibers for High-Performance Oxygen Evolution Reaction. <i>Advanced Science</i> , <b>2017</b> , 4, 1700226	13.6	152
71	FeOOH-Templated synthesis of hollow porous platinum nanotubes as superior electrocatalysts towards methanol electrooxidation. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 8812-8817	3.6	13
70	One-Pot Synthesis of Freestanding Porous Palladium Nanosheets as Highly Efficient Electrocatalysts for Formic Acid Oxidation. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1603852	15.6	108
69	Ni <sub>3</sub> Fe-N Doped Carbon Sheets as a Bifunctional Electrocatalyst for Air Cathodes. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601172	21.8	305
68	L-Glutamic acid derived PtPd@Pt core/satellite nanoassemblies as an effectively cathodic electrocatalyst. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 3774-3779	13	41
67	Trimetallic PtRhNi alloy nanoassemblies as highly active electrocatalyst for ethanol electrooxidation. <i>Nano Research</i> , <b>2017</b> , 10, 3324-3332	10	59
66	Porous AgPt@Pt Nanooctahedra as an Efficient Catalyst toward Formic Acid Oxidation with Predominant Dehydrogenation Pathway. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 31076-31082	9.5	56
65	Spinel MnCo <sub>2</sub> O <sub>4</sub> nanoparticles cross-linked with two-dimensional porous carbon nanosheets as a high-efficiency oxygen reduction electrocatalyst. <i>Nano Research</i> , <b>2016</b> , 9, 2110-2122	10	48

64	Dendritic platinum-copper bimetallic nanoassemblies with tunable composition and structure: Arginine-driven self-assembly and enhanced electrocatalytic activity. <i>Nano Research</i> , <b>2016</b> , 9, 755-765	10	89
63	Hermetically Coated and Well-Separated Co <sub>3</sub> O <sub>4</sub> Nanophase within Porous Graphitic Carbon Nanosheets: Synthesis, Confinement Effect, and Improved Lithium-Storage Capacity and Durability. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 9599-606	4.8	9
62	Morphological and Interfacial Control of Platinum Nanostructures for Electrocatalytic Oxygen Reduction. <i>ACS Catalysis</i> , <b>2016</b> , 6, 5260-5267	13.1	100
61	PdCo/Pd-Hexacyanocobaltate Hybrid Nanoflowers: Cyanogel-Bridged One-Pot Synthesis and Their Enhanced Catalytic Performance. <i>Scientific Reports</i> , <b>2016</b> , 6, 32402	4.9	14
60	Catalytic activities for methanol oxidation on ultrathin CuPt wavy nanowires with/without smart polymer. <i>Chemical Science</i> , <b>2016</b> , 7, 5414-5420	9.4	65
59	Hollow PtNi alloy nanospheres with enhanced activity and methanol tolerance for the oxygen reduction reaction. <i>Nano Research</i> , <b>2016</b> , 9, 3494-3503	10	35
58	Novel Hydrogel-Derived Bifunctional Oxygen Electrocatalyst for Rechargeable Air Cathodes. <i>Nano Letters</i> , <b>2016</b> , 16, 6516-6522	11.5	192
57	Arginine-mediated synthesis of cube-like platinum nanoassemblies as efficient electrocatalysts. <i>Nano Research</i> , <b>2015</b> , 8, 3963-3971	10	30
56	Hollow and porous palladium nanocrystals: synthesis and electrocatalytic application. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 21995-21999	13	29
55	PtCu nanodendrite-assisted synthesis of PtPdCu concave nanooctahedra for efficient electrocatalytic methanol oxidation. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 5105-5109	5.5	16
54	Rational synthesis of Ni nanoparticle-embedded porous graphitic carbon nanosheets with enhanced lithium storage properties. <i>Nanoscale</i> , <b>2015</b> , 7, 18211-7	7.7	26
53	General Self-Assembly Route toward Sparsely Studded Noble-Metal Nanocrystals inside Graphene Hollow Sphere Network for Ultrastable Electrocatalyst Utilization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 20061-7	9.5	7
52	Cyano-bridged coordination polymer gel as a precursor to a nanoporous In <sub>2</sub> O <sub>3</sub> /Co <sub>3</sub> O <sub>4</sub> hybrid network for high-capacity and cycle-stable lithium storage. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 8249-8253	3.6	13
51	Highly Reversible and Fast Lithium Storage in Graphene-Wrapped SiO <sub>2</sub> Nanotube Network. <i>ChemElectroChem</i> , <b>2015</b> , 2, 508-511	4.3	28
50	Polyhedral Palladium-Silver Alloy Nanocrystals as Highly Active and Stable Electrocatalysts for the Formic Acid Oxidation Reaction. <i>Scientific Reports</i> , <b>2015</b> , 5, 13703	4.9	48
49	3D Graphene Hollow Nanospheres@Palladium-Networks as an Efficient Electrocatalyst for Formic Acid Oxidation. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1500321	4.6	32
48	Highly dispersed ultrafine palladium nanoparticles on three-dimensional mesoporous carbon for formic acid electro-oxidation. <i>Ionics</i> , <b>2015</b> , 21, 2609-2614	2.7	5
47	A strategy for fabricating porous PdNi@Pt core-shell nanostructures and their enhanced activity and durability for the methanol electrooxidation. <i>Scientific Reports</i> , <b>2015</b> , 5, 7619	4.9	45

46	Trimetallic PtAgCu@PtCu core@shell concave nanooctahedrons with enhanced activity for formic acid oxidation reaction. <i>Nano Energy</i> , <b>2015</b> , 12, 824-832	17.1	111
45	Designed synthesis of NiO@polypyrrole hollow spheres for long-life lithium storage. <i>Ionics</i> , <b>2015</b> , 21, 359-364	2.7	7
44	Arginine-assisted synthesis of palladium nanochain networks and their enhanced electrocatalytic activity for borohydride oxidation. <i>RSC Advances</i> , <b>2015</b> , 5, 18111-18115	3.7	19
43	Multi-generation overgrowth induced synthesis of three-dimensional highly branched palladium tetrapods and their electrocatalytic activity for formic acid oxidation. <i>Nanoscale</i> , <b>2014</b> , 6, 2776-81	7.7	28
42	Autocatalysis and selective oxidative etching induced synthesis of platinum-copper bimetallic alloy nanodendrites electrocatalysts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 7301-8	9.5	156
41	L-Lysine mediated synthesis of platinum nanocuboids and their electrocatalytic activity towards ammonia oxidation. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17883-17888	13	25
40	A facile, one-pot synthesis of highly branched Au nanocorals and their enhanced electrocatalytic activity for ethanol oxidation. <i>CrystEngComm</i> , <b>2014</b> , 16, 8576-8581	3.3	18
39	Facile water-based synthesis and catalytic properties of platinum-gold alloy nanocubes. <i>CrystEngComm</i> , <b>2014</b> , 16, 1606-1610	3.3	58
38	Facile synthesis of PdCoPt ternary alloy network nanostructures and their enhanced electrocatalytic activity towards hydrazine oxidation. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 1252-1258	13	77
37	Graphene-wrapped single-crystalline Fe <sub>3</sub> O <sub>4</sub> nanorods with superior lithium-storage capabilities. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 4036	3.6	22
36	Monodispersed hollow platinum nanospheres: facile synthesis and their enhanced electrocatalysis for methanol oxidation. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 13738-13743	13	51
35	Hydrothermal synthesis of Pt-Ag alloy nano-octahedra and their enhanced electrocatalytic activity for the methanol oxidation reaction. <i>Nanoscale</i> , <b>2014</b> , 6, 12310-4	7.7	51
34	Facile synthesis of graphene supported FeSn <sub>2</sub> nanocrystals with enhanced Li-storage capability. <i>RSC Advances</i> , <b>2014</b> , 4, 17401	3.7	17
33	Facile synthesis of corallite-like PtPd alloy nanostructures and their enhanced catalytic activity and stability for ethanol oxidation. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 13840	13	66
32	Designed synthesis of SnO <sub>2</sub> @C yolk-shell spheres for high-performance lithium storage. <i>CrystEngComm</i> , <b>2014</b> , 16, 517-521	3.3	41
31	Synthesis and electrocatalytic activity of Au@Pd core-shell nanothorns for the oxygen reduction reaction. <i>Nano Research</i> , <b>2014</b> , 7, 1205-1214	10	107
30	Facile preparation of CuO@SnO <sub>2</sub> nanobelts as a high-capacity and long-life anode for lithium-ion batteries. <i>RSC Advances</i> , <b>2014</b> , 4, 34417-34420	3.7	20
29	Highly branched platinum nanolance assemblies by polyallylamine functionalization as superior active, stable, and alcohol-tolerant oxygen reduction electrocatalysts. <i>Nanoscale</i> , <b>2014</b> , 6, 8226-34	7.7	57

28	Facile synthesis and electrocatalytic properties of dendritic palladium nanostructures. <i>CrystEngComm</i> , <b>2014</b> , 16, 10445-10450	3.3	13
27	Polyamine-assisted hydrothermal synthesis of bimetallic Pd <sub>1</sub> Cu <sub>3</sub> multipods and their high catalytic ability in 4-nitrophenol reduction. <i>RSC Advances</i> , <b>2014</b> , 4, 57144-57147	3.7	7
26	Pd@Pt core-shell tetrapods as highly active and stable electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20855-20860	13	60
25	Three-dimensional mesoporous SnNi@C network derived from cyanogel coordination polymers: towards high-performance anodes for lithium storage. <i>CrystEngComm</i> , <b>2013</b> , 15, 10340	3.3	27
24	Green synthesis and catalytic properties of polyallylamine functionalized tetrahedral palladium nanocrystals. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 138-139, 167-174	21.8	43
23	Facile synthesis and electrocatalytic application of phosphonate functionalized platinum nanodendrites. <i>CrystEngComm</i> , <b>2013</b> , 15, 8929	3.3	5
22	Water-based synthesis and sensing application of polyallylamine functionalized platinum nanodendrite assemblies. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 14874	13	10
21	Polyallylamine-directed green synthesis of platinum nanocubes. Shape and electronic effect codependent enhanced electrocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 3793-802 <sup>3,6</sup>	3.6	66
20	Surfactant-free palladium nanodendrite assemblies with enhanced electrocatalytic performance for formic acid oxidation. <i>Electrochemistry Communications</i> , <b>2013</b> , 32, 43-46	5.1	21
19	One-Pot Water-Based Synthesis of PtPd 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> , <b>2013</b> , 117, 9826-9834	3.8	229
18	Synthesis, Self-Assembly, and Electrocatalysis of Polyallylamine-Functionalized Platinum Nanocubes. <i>ChemPlusChem</i> , <b>2013</b> , 78, 623-627	2.8	11
17	Polyallylamine functionalized palladium icosahedra: one-pot water-based synthesis and their superior electrocatalytic activity and ethanol tolerant ability in alkaline media. <i>Langmuir</i> , <b>2013</b> , 29, 4413-40	4.0	61
16	Preparation of highly dispersed palladium-phosphorus nanoparticles and its electrocatalytic performance for formic acid electrooxidation. <i>Electrochimica Acta</i> , <b>2012</b> , 59, 279-283	6.7	50
15	One-step synthesis and catalytic properties of porous palladium nanospheres. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 17604		46
14	One-pot synthesis of three-dimensional platinum nanochain networks as stable and active electrocatalysts for oxygen reduction reactions. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13585		88
13	Synthesis of water-soluble phosphonate functionalized single-walled carbon nanotubes and their applications in biosensing. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 15370		38
12	Multiwalled carbon nanotubes supported palladium-phosphorus nanoparticles for ethanol electrooxidation in alkaline solution. <i>Journal of Power Sources</i> , <b>2012</b> , 219, 258-262	8.9	51
11	Synthesis and Electrocatalytic Properties of Palladium Network Nanostructures. <i>ChemPlusChem</i> , <b>2012</b> , 77, 936-940	2.8	26

10	Synthesis and characterization of multiwall carbon nanotubes supported-hydrated iron phosphate cathode material for lithium-ion cells by a novel homogeneous precipitation method. <i>Ionics</i> , <b>2012</b> , 18, 721-729	2.7	5
9	Platinum-Cobalt alloy networks for methanol oxidation electrocatalysis. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 23659		125
8	Layer-By-Layer Self-Assembly of Sulphydryl-Functionalized Multiwalled Carbon Nanotubes and Phosphate-Functionalized Gold Nanoparticles: Detection of Hydrazine. <i>ChemPlusChem</i> , <b>2012</b> , 77, 914-922	2.8	21
7	Preparation of carbon supported Pt catalysts and its electrocatalytic performance for oxygen reduction. <i>Applied Surface Science</i> , <b>2011</b> , 257, 6494-6497	6.7	18
6	Preparation of carbon supported Pd catalyst with high content of element phosphorus and its electrocatalytic performance for formic acid oxidation. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 492-495	5.1	114
5	Carbon-supported Pd catalyst as anodic catalyst in direct formic acid fuel cell. <i>Journal of Power Sources</i> , <b>2008</b> , 175, 784-788	8.9	183
4	A carbon-supported Pd-P catalyst as the anodic catalyst in a direct formic acid fuel cell. <i>Journal of Power Sources</i> , <b>2006</b> , 162, 177-179	8.9	99
3	Coupling the Atomically Dispersed Fe-N <sub>3</sub> Sites with Sub-5 nm Pd Nanocrystals Confined in N-Doped Carbon Nanobelts to Boost the Oxygen Reduction for Microbial Fuel Cells. <i>Advanced Functional Materials</i> , 2107683	15.6	5
2	In situ establishment of Co/MoS <sub>2</sub> heterostructures onto inverse opal-structured N,S-doped carbon hollow nanospheres: Interfacial and architectural dual engineering for efficient hydrogen evolution reaction. <i>SmartMat</i> ,	22.8	8
1	Cyanogroup functionalized sub-2 nm ultrafine Pt nanonetworks reinforce electrocatalytic hydrogen evolution in a broad pH range. <i>CrystEngComm</i> ,	3.3	0