

Yukou Du

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.

227
papers

8,433
citations

52
h-index

79
g-index

230
ext. papers

10,391
ext. citations

7.6
avg. IF

6.81
L-index

#	Paper	IF	Citations
227	Green Route for Fabrication of Water-Treatable Thermoelectric Generators. <i>Energy Material Advances</i> , 2022 , 2022, 1-12	1	2
226	Cu-ion-induced n- to p-type switching in organic thermoelectric polyazacycloalkane/carbon nanotubes. <i>Materials Advances</i> , 2022 , 3, 373-380	3.3	0
225	Recent advances in one-dimensional noble-metal-based catalysts with multiple structures for efficient fuel-cell electrocatalysis. <i>Coordination Chemistry Reviews</i> , 2022 , 450, 214244	23.2	17
224	Self-driven Ru-modified NiFe MOF nanosheet as multifunctional electrocatalyst for boosting water and urea electrolysis. <i>Journal of Colloid and Interface Science</i> , 2022 , 605, 779-789	9.3	10
223	Surfactant-Wrapped n-Type Organic Thermoelectric Carbon Nanotubes for Long-Term Air Stability and Power Characteristics. <i>ACS Applied Electronic Materials</i> , 2022 , 4, 1153-1162	4	1
222	An specific photoelectrochemical sensor based on pillar[5]arenes functionalized gold nanoparticles and bismuth oxybromide nanoflowers for bovine hemoglobin recognition.. <i>Journal of Colloid and Interface Science</i> , 2022 , 620, 187-198	9.3	0
221	Advanced Plasmon-driven ethylene glycol oxidation over 3D ultrathin Lotus-like PdCu nanosheets. <i>Chemical Engineering Journal</i> , 2022 , 438, 135666	14.7	1
220	Fabrication of cobaltous telluride and carbon composite as a promising carrier for boosting electro oxidation of ethylene glycol on palladium in alkaline medium.. <i>Journal of Colloid and Interface Science</i> , 2022 , 616, 316-325	9.3	1
219	Heterogeneous interface engineering for boosting electron transfer induced by MOF-derived Yolk-shell trimetallic phosphide nanospindles for robust water oxidation electrocatalysis. <i>Applied Surface Science</i> , 2022 , 590, 153102	6.7	3
218	Hydrogen evolution reaction catalysis on RuM (M=[Ni, Co]) porous nanorods by cation etching. <i>Journal of Colloid and Interface Science</i> , 2022 , 624, 279-286	9.3	1
217	One-pot synthesis of core@shell PdAuPt nanodendrite@Pd nanosheets for boosted visible light-driven methanol electrooxidation. <i>Chemical Communications</i> , 2021 , 57, 13198-13201	5.8	0
216	In situ nanopores enrichment of Mesh-like palladium nanoplates for bifunctional fuel cell reactions: A joint etching strategy.. <i>Journal of Colloid and Interface Science</i> , 2021 , 611, 523-532	9.3	9
215	Facile synthesis of low-dimensional PdPt nanocrystals for high-performance electrooxidation of C 2 alcohols.. <i>Journal of Colloid and Interface Science</i> , 2021 , 610, 271-279	9.3	2
214	Rich grain boundaries endow networked PdSn nanowires with superior catalytic properties for alcohol oxidation. <i>Nanoscale</i> , 2021 , 13, 17939-17944	7.7	0
213	Durable n-type carbon nanotubes double-doped with 1,8-diazabicyclo[5.4.0]undec-7-ene and polyamidoamine dendrimers. <i>Diamond and Related Materials</i> , 2021 , 120, 108656	3.5	1
212	3D Porous Ru-Doped NiCo-MOF Hollow Nanospheres for Boosting Oxygen Evolution Reaction Electrocatalysis. <i>Inorganic Chemistry</i> , 2021 , 60, 5882-5889	5.1	12
211	Surface Plasmon Resonance Boost Electrocatalytic Alcohol Oxidation over Three-Dimensional PdM (M = Au, Ag, Cu) Nanosheet Assemblies. <i>Inorganic Chemistry</i> , 2021 , 60, 7527-7535	5.1	3

210	Enhancement of p-type thermoelectric power factor by low-temperature calcination in carbon nanotube thermoelectric films containing cyclodextrin polymer and Pd. <i>Applied Physics Letters</i> , 2021 , 118, 243904	3.4	5
209	3D Taraxacum-like porous Pd nanocages with Bi doping: High-performance non-Pt electrocatalysts for ethanol oxidation reaction. <i>Journal of Colloid and Interface Science</i> , 2021 , 591, 203-210	9.3	6
208	Core@shell PtAuAg@PtAg Hollow Nanodendrites as Effective Electrocatalysts for Methanol and Ethylene Glycol Oxidation. <i>Inorganic Chemistry</i> , 2021 , 60, 9977-9986	5.1	4
207	Universal strategies to multi-dimensional noble-metal-based catalysts for electrocatalysis. <i>Coordination Chemistry Reviews</i> , 2021 , 436, 213825	23.2	42
206	Solvent-Mediated Shell Dimension Reconstruction of Core@Shell PdAu@Pd Nanocrystals for Robust C1 and C2 Alcohol Electrocatalysis. <i>Small</i> , 2021 , 17, e2101428	11	5
205	PtM/M B (M=Ni, Co, Fe) Heterostructured Nanobundles as Advanced Electrocatalyst for Hydrogen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2021 , 27, 12851-12856	4.8	0
204	Organic/inorganic hybrid for flexible thermoelectric fibers. <i>Chemical Engineering Journal</i> , 2021 , 405, 126519	10	20
203	Rod-like MnO boost Pd/reduced graphene oxide nanocatalyst for ethylene glycol electrooxidation. <i>Journal of Colloid and Interface Science</i> , 2021 , 582, 561-568	9.3	14
202	Dual mode electrochemical-photoelectrochemical sensing platform for hydrogen sulfide detection based on the inhibition effect of titanium dioxide/bismuth tungstate/silver heterojunction. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 323-333	9.3	25
201	One-pot synthesis of alloyed PdAg networks as efficient catalysts of ethylene glycol electro-oxidation in alkaline media. <i>Journal of Alloys and Compounds</i> , 2021 , 854, 157075	5.7	9
200	Nanoboxes endow non-noble-metal-based electrocatalysts with high efficiency for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 857-874	13	40
199	Recent Progress of Ultrathin 2D Pd-Based Nanomaterials for Fuel Cell Electrocatalysis. <i>Small</i> , 2021 , 17, e2005092	11	73
198	Advances in hydrogen production from electrocatalytic seawater splitting. <i>Nanoscale</i> , 2021 , 13, 7897-7917	17	16
197	Interfacial electronic structure modulation enables CoMoOx/CoOx/RuOx to boost advanced oxygen evolution electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14601-14606	13	30
196	General fabrication of RuM (M = Ni and Co) nanoclusters for boosting hydrogen evolution reaction electrocatalysis. <i>Nanoscale</i> , 2021 , 13, 13042-13047	7.7	5
195	Advances in engineering RuO2 electrocatalysts towards oxygen evolution reaction. <i>Chinese Chemical Letters</i> , 2021 , 32, 2108-2116	8.1	57
194	Morphology Control Endows Palladium-Indium Nanocatalysts with High Catalytic Performance for Alcohol Oxidation. <i>ChemElectroChem</i> , 2021 , 8, 3637	4.3	2
193	Ultralow Ru doping induced interface engineering in MOF derived ruthenium-cobalt oxide hollow nanobox for efficient water oxidation electrocatalysis. <i>Chemical Engineering Journal</i> , 2021 , 420, 129805	14.7	43

192	Universal MOF-Mediated synthesis of 2D CoNi-based layered triple hydroxides electrocatalyst for efficient oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 612-618	9.3	8
191	Metal-modified PtTe ₂ nanorods: Surface reconstruction for efficient methanol oxidation electrocatalysis. <i>Chemical Engineering Journal</i> , 2021 , 424, 130319	14.7	15
190	One-pot synthesis of rugged PdRu nanosheets as the efficient catalysts for polyalcohol electrooxidation. <i>Journal of Colloid and Interface Science</i> , 2021 , 601, 42-49	9.3	3
189	A general MOF-intermediated synthesis of hollow CoFe-based trimetallic phosphides composed of ultrathin nanosheets for boosting water oxidation electrocatalysis. <i>Nanoscale</i> , 2021 , 13, 7279-7284	7.7	17
188	A review of the role and mechanism of surfactants in the morphology control of metal nanoparticles. <i>Nanoscale</i> , 2021 , 13, 3895-3910	7.7	15
187	Au-Nitrogen-Doped Graphene Quantum Dot Composites as "On-Off" Nanosensors for Sensitive Photo-Electrochemical Detection of Caffeic Acid. <i>Nanomaterials</i> , 2020 , 10,	5.4	3
186	Surface and interface engineering of noble-metal-free electrocatalysts for efficient overall water splitting. <i>Coordination Chemistry Reviews</i> , 2020 , 418, 213374	23.2	91
185	Tiny Ir doping of sub-one-nanometer PtMn nanowires: highly active and stable catalysts for alcohol electrooxidation. <i>Nanoscale</i> , 2020 , 12, 12098-12105	7.7	14
184	A new ratiometric electrochemical sensor using electroactive GO/MB/Ag nanocomposites for H ₂ S detection in biological samples. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	7
183	Three-Dimensional PdCuRu Alloy Porous Nanosheets as Efficient Electrocatalysts for Hydrogen Evolution Reaction in Varied Electrolytes. <i>ChemElectroChem</i> , 2020 , 7, 3135-3139	4.3	3
182	Recent Achievements in Noble Metal Catalysts with Unique Nanostructures for Liquid Fuel Cells. <i>ChemSusChem</i> , 2020 , 13, 2540-2551	8.3	9
181	Universal Surfactant-Free Strategy for Self-Standing 3D Tremella-Like PdM (M = Ag, Pb, and Au) Nanosheets for Superior Alcohols Electrocatalysis. <i>Advanced Functional Materials</i> , 2020 , 30, 2000255	15.6	98
180	Ir-Doped Pd Nanosheet Assemblies as Bifunctional Electrocatalysts for Advanced Hydrogen Evolution Reaction and Liquid Fuel Electrocatalysis. <i>Inorganic Chemistry</i> , 2020 , 59, 3321-3329	5.1	32
179	General synthesis of Pd-pm (pm = Ga, In, Sn, Pb, Bi) alloy nanosheet assemblies for advanced electrocatalysis. <i>Nanoscale</i> , 2020 , 12, 3411-3417	7.7	22
178	Ultrafine Pt-Based Nanowires for Advanced Catalysis. <i>Advanced Functional Materials</i> , 2020 , 30, 2000793	15.6	110
177	Characterization and Thermoelectric Behavior of Super-growth Carbon Nanotube Films Co-loaded with ZnO and Ag Colloids. <i>Electrochemistry</i> , 2020 , 88, 356-358	1.2	
176	From bimetallic PdCu nanowires to ternary PdCu-SnO nanowires: Interface control for efficient ethanol electrooxidation. <i>Journal of Colloid and Interface Science</i> , 2020 , 560, 802-810	9.3	24
175	Synthesis of Pt nanoparticles supported on a novel 2D bismuth tungstate/lanthanum titanate heterojunction for photoelectrocatalytic oxidation of methanol. <i>Journal of Colloid and Interface Science</i> , 2020 , 561, 338-347	9.3	17

174	Trimetallic platinum-nickel-palladium nanorods with abundant bumps as robust catalysts for methanol electrooxidation. <i>Journal of Colloid and Interface Science</i> , 2020 , 561, 512-518	9.3	16
173	Three-dimensional open CoMoOx/CoMoSx/CoSx nanobox electrocatalysts for efficient oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020 , 265, 118605	21.8	109
172	Nanoscale engineering of porous Fe-doped Pd nanosheet assemblies for efficient methanol and ethanol electrocatalyses. <i>Nanoscale</i> , 2020 , 12, 2126-2132	7.7	13
171	Nitrogen-doped graphene nanosheets supported assembled Pd nanoflowers for efficient ethanol electrooxidation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 587, 124257	5.1	4
170	Porous PtRhTe nanotubes: an alleviated poisoning effect for ethanol electrooxidation. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 625-630	6.8	11
169	Development of carbon nanotube organic thermoelectric materials using cyclodextrin polymer: control of semiconductor characteristics by the solvent effect. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SDDD05	1.4	9
168	Advances in Efficient Polymerization of Solid-State Trithiophenes for Organic Thermoelectric Thin-Film. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 376-384	4.3	7
167	Simply synthesized nitrogen-doped graphene quantum dot (NGQD)-modified electrode for the ultrasensitive photoelectrochemical detection of dopamine. <i>Nanophotonics</i> , 2020 , 9, 3831-3839	6.3	17
166	Multi-dimensional collaboration promotes the catalytic performance of 1D MoO nanorods decorated with 2D NiS nanosheets for efficient water splitting. <i>Nanoscale</i> , 2020 , 12, 21850-21856	7.7	13
165	Synergistically engineering ultralow Pt doped FeNi alloy/FeNi phosphide nanoparticles for advanced hydrogen evolution reaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 604, 125313	5.1	8
164	Trimetallic PdCuIr nanocages as efficient bifunctional electrocatalysts for polyalcohol oxidation and hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 26920-26928	6.7	2
163	Hollow V-Doped CoM (M = P, S, O) Nanoboxes as Efficient OER Electrocatalysts for Overall Water Splitting. <i>Inorganic Chemistry</i> , 2020 , 59, 11814-11822	5.1	25
162	Low-Dimensional Metallic Nanomaterials for Advanced Electrocatalysis. <i>Advanced Functional Materials</i> , 2020 , 30, 2006317	15.6	84
161	Tunable long-chains of core@shell PdAg@Pd as high-performance catalysts for ethanol oxidation. <i>Journal of Colloid and Interface Science</i> , 2020 , 574, 182-189	9.3	16
160	Efficient polyalcohol oxidation electrocatalysts enabled by PtM (M = Fe, Co, and Ni) nanocubes surrounded by (200) crystal facets. <i>Nanoscale</i> , 2020 , 12, 9842-9848	7.7	4
159	Highly-stable n-type Carbon Nanotube Material under Accelerated Aging Conditions: Conjunctive Effect of Hydrazine Derivatives and Commodity Polymers. <i>Chemistry Letters</i> , 2019 , 48, 1109-1111	1.7	3
158	Three-dimensional palladium-rhodium nanosheet assemblies: Highly efficient catalysts for methanol electrooxidation. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 360-365	9.3	20
157	Ultrathin one-dimensional platinum-cobalt nanowires as efficient catalysts for the glycerol oxidation reaction. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 441-448	9.3	8

156	Superior Ethanol Oxidation Electrocatalysis Enabled by Ternary Pd-Rh-Te Nanotubes. <i>Inorganic Chemistry</i> , 2019 , 58, 12377-12384	5.1	26
155	High-density surface protuberances endow ternary PtFeSn nanowires with high catalytic performance for efficient alcohol electro-oxidation. <i>Nanoscale</i> , 2019 , 11, 18176-18182	7.7	15
154	Enhanced photo-assisted ethanol electro-oxidation activity by using broadband visible light absorption of a graphitic C ₃ N ₄ /BiOI carrier. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 439-449	5.8	25
153	Graphene supported palladium-phosphorus nanoparticles as a promising catalyst for ethylene glycol oxidation. <i>Applied Surface Science</i> , 2019 , 491, 735-741	6.7	21
152	Polydopamine functionalized multi-walled carbon nanotubes supported PdAu nanoparticles as advanced catalysts for ethylene glycol oxidation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 578, 123566	5.1	17
151	Shape-controlled PdSn alloy as superior electrocatalysts for alcohol oxidation reactions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 101, 167-176	5.3	14
150	Monodispersed bimetallic platinum-copper alloy nanospheres as efficient catalysts for ethylene glycol electrooxidation. <i>Journal of Colloid and Interface Science</i> , 2019 , 551, 81-88	9.3	11
149	One-Step Synthesis of MoS ₂ /TiSi ₂ via an In Situ Photo-Assisted Reduction Method for Enhanced Photocatalytic H ₂ Evolution under Simulated Sunlight Illumination. <i>Catalysts</i> , 2019 , 9, 299	4	2
148	Magnetic Fe ₃ O ₄ supported PdAu bimetallic nanoparticles with the enhanced catalytic activity for Heck and Suzuki cross-coupling reactions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 573, 67-72	5.1	13
147	PdCu alloy nanosheets-constructed 3D flowers: New highly sensitive materials for H ₂ S detection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 289, 260-268	8.5	42
146	The chain-typed nanoflowers structure endows PtBi with highly electrocatalytic activity of ethylene glycol oxidation. <i>Journal of Alloys and Compounds</i> , 2019 , 789, 834-840	5.7	14
145	Superior liquid fuel oxidation electrocatalysis enabled by novel bimetallic PtNi nanorods. <i>Journal of Power Sources</i> , 2019 , 425, 179-185	8.9	21
144	Ultrafine two-dimensional alloyed PdCu nanosheets-constructed three-dimensional nanoflowers enable efficient ethylene glycol electrooxidation. <i>Applied Surface Science</i> , 2019 , 481, 1532-1537	6.7	25
143	Shape-control of one-dimensional PtNi nanostructures as efficient electrocatalysts for alcohol electrooxidation. <i>Nanoscale</i> , 2019 , 11, 4831-4836	7.7	79
142	Self-template construction of Sub-24 nm Pd Ag hollow nanodendrites as highly efficient electrocatalysts for ethylene glycol oxidation. <i>Journal of Power Sources</i> , 2019 , 418, 186-192	8.9	63
141	Roles of Polyethylenimine Ethoxylated in Efficiently Tuning the Thermoelectric Performance of Poly(3,4-ethylenedioxythiophene)-Rich Nanocrystal Films. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8138-8147	9.5	31
140	Precursor-mediated size tuning of monodisperse PtRh nanocubes as efficient electrocatalysts for ethylene glycol oxidation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7891-7896	13	67
139	A high performance all-organic thermoelectric fiber generator towards promising wearable electron. <i>Composites Science and Technology</i> , 2019 , 182, 107767	8.6	42

138	Engineering Spiny PtFePd@PtFe/Pt Core@Multishell Nanowires with Enhanced Performance for Alcohol Electrooxidation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30880-30886	9.5	23
137	A novel catalyst for efficient electrooxidation of ethanol enabled by 3D open-structured PdCu nanocages. <i>Journal of Colloid and Interface Science</i> , 2019 , 555, 195-202	9.3	10
136	Novel networked wicker-like PtFe nanowires with branch-rich exteriors for efficient electrocatalysis. <i>Nanoscale</i> , 2019 , 11, 15561-15566	7.7	24
135	Three-dimensional PdCuM (M = Ru, Rh, Ir) Trimetallic Alloy Nanosheets for Enhancing Methanol Oxidation Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42123-42130	9.5	55
134	Boosting electrocatalytic oxygen evolution over Prussian blue analog/transition metal dichalcogenide nanoboxes by photo-induced electron transfer. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26905-26910	13	78
133	Geometric and Electronic Engineering of Mn-Doped Cu(OH) Hexagonal Nanorings for Superior Oxygen Evolution Reaction Electrocatalysis. <i>Inorganic Chemistry</i> , 2019 , 58, 15433-15442	5.1	24
132	Precise synthesis of monodisperse PdAg nanoparticles for size-dependent electrocatalytic oxidation reactions. <i>Journal of Colloid and Interface Science</i> , 2019 , 544, 284-292	9.3	12
131	An efficient PEDOT-coated textile for wearable thermoelectric generators and strain sensors. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3496-3502	7.1	74
130	Ultrafine PtCuRh nanowire catalysts with alleviated poisoning effect for efficient ethanol oxidation. <i>Nanoscale</i> , 2019 , 11, 20090-20095	7.7	19
129	Efficient DMSO-Vapor Annealing for Enhancing Thermoelectric Performance of PEDOT:PSS-Based Aerogel. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2408-2417	9.5	70
128	Uniform PdCu coated Te nanowires as efficient catalysts for electrooxidation of ethylene glycol. <i>Journal of Colloid and Interface Science</i> , 2019 , 540, 265-271	9.3	39
127	Anchoring gold nanoparticles on poly(3,4-ethylenedioxythiophene) (PEDOT) nanonet as three-dimensional electrocatalysts toward ethanol and 2-propanol oxidation. <i>Journal of Colloid and Interface Science</i> , 2019 , 541, 258-268	9.3	64
126	Glycine-Assisted Fabrication of N-Doped Graphene-Supported Uniform Multipetal PtAg Nanoflowers for Enhanced Ethanol and Ethylene Glycol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3176-3184	8.3	50
125	3D hollow nanoflowers assembled by ultrathin molybdenum-nickel phosphide nanosheets as robust electrocatalysts for oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2019 , 536, 71-79	9.3	14
124	Enhanced formic acid electrooxidation reaction enabled by 3D PtCo nanodendrites electrocatalyst. <i>Journal of Alloys and Compounds</i> , 2019 , 774, 274-281	5.7	20
123	Superior ethylene glycol oxidation electrocatalysis enabled by hollow PdNi nanospheres. <i>Electrochimica Acta</i> , 2018 , 268, 383-391	6.7	26
122	Superior ethylene glycol electrocatalysis enabled by Au-decorated PdRu nanopopcorns. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 814, 31-37	4.1	10
121	Highly open bowl-like PtAuAg nanocages as robust electrocatalysts towards ethylene glycol oxidation. <i>Journal of Power Sources</i> , 2018 , 384, 42-47	8.9	27

120	Visible-Light-Driven 3D Dendritic PtAu@Pt CoreShell Photocatalyst toward Liquid Fuel Electrooxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 7159-7167	8.3	33
119	Hierarchical branched platinum-copper tripods as highly active and stable catalysts. <i>Nanoscale</i> , 2018 , 10, 8246-8252	7.7	20
118	Superior liquid fuel oxidation electrocatalysis enabled by novel one-dimensional AuM (M = Pt, Pd) nanowires. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 811, 37-45	4.1	8
117	Surface-Plasmon-Enhanced Photo-electrocatalytic Ethylene Glycol Oxidation Based on Highly Open AuAg Nanobowls. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4138-4146	8.3	26
116	Visible-Light-Improved Catalytic Performance for Methanol Oxidation Based on Plasmonic PtAu Dendrites. <i>ChemElectroChem</i> , 2018 , 5, 1191-1196	4.3	24
115	Mesoporous tungsten oxide modified by nanolayered manganese-calcium oxide as robust photoanode for solar water splitting. <i>Journal of Colloid and Interface Science</i> , 2018 , 516, 145-152	9.3	10
114	High-Quality PlatinumIron Nanodendrites with a Multibranch Architecture as Efficient Electrocatalysts for the Ethanol Oxidation Reaction. <i>ChemCatChem</i> , 2018 , 10, 2195-2199	5.2	7
113	Ethylene Glycol Electrooxidation Based on Pentangle-Like PtCu Nanocatalysts. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 626-630	4.5	9
112	Exceptional ethylene glycol electrooxidation activity enabled by sub-16 nm dendritic PtCu nanocrystals catalysts. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 1489-1496	6.7	18
111	Flower-like PdCu catalyst with high electrocatalytic properties for ethylene glycol oxidation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 83, 32-39	5.3	22
110	Pt Islands on 3 D Nut-like PtAg Nanocrystals for Efficient Formic Acid Oxidation Electrocatalysis. <i>ChemSusChem</i> , 2018 , 11, 1056-1062	8.3	17
109	Sub-5nm monodispersed PdCu nanosphere with enhanced catalytic activity towards ethylene glycol electrooxidation. <i>Electrochimica Acta</i> , 2018 , 261, 521-529	6.7	31
108	Highly active electrooxidation of ethylene glycol enabled by pinecone-like PdAuAg nanocatalysts. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 83, 64-73	5.3	7
107	Particle size effects of PtAg nanoparticles on the catalytic electrooxidation of liquid fuels. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1174-1179	6.8	12
106	Sophisticated Construction of Binary PdPb Alloy Nanocubes as Robust Electrocatalysts toward Ethylene Glycol and Glycerol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 12659-12665	9.5	115
105	Zn-doped hematite modified by graphene-like WS ₂ : A p-type semiconductor hybrid photocathode for water splitting to produce hydrogen. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 7307-7316	6.7	14
104	Facile construction of trimetallic PtAuRu nanostructures with highly porous features and perpendicular pore channels as enhanced formic acid catalysts. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 537, 418-424	5.1	15
103	One-pot fabrication of N-doped graphene supported dandelion-like PtRu nanocrystals as efficient and robust electrocatalysts towards formic acid oxidation. <i>Journal of Colloid and Interface Science</i> , 2018 , 512, 96-104	9.3	18

102	Hierarchical NiMo Phosphide Nanosheets Strongly Anchored on Carbon Nanotubes as Robust Electrocatalysts for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29647-29655	8.5	58
101	Construct 3D networked Au-Cu nanowires for enhanced plasmon-driven catalytic ethylene glycol oxidation through visible light irradiation. <i>Journal of Power Sources</i> , 2018 , 399, 59-65	8.9	12
100	High Performance of Manganese Porphyrin Sensitized p-Type CuFe ₂ O ₄ Photocathode for Solar Water Splitting to Produce Hydrogen in a Tandem Photoelectrochemical Cell. <i>Catalysts</i> , 2018 , 8, 108	4	26
99	Surface plasmon enhanced ethylene glycol electrooxidation based on hollow platinum-silver nanodendrites structures. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 91, 316-322	5.3	13
98	1D alloy ultrafine Pt-Fe nanowires as efficient electrocatalysts for alcohol electrooxidation in alkaline media. <i>Nanoscale</i> , 2018 , 10, 16468-16473	7.7	19
97	Three-Dimensional Porous Carbon Derived from Polyindole Hollow Nanospheres for High-Performance Supercapacitor Electrode. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4572-4579	6.1	18
96	3D-2D heterostructure of PdRu/NiZn oxyphosphides with improved durability for electrocatalytic methanol and ethanol oxidation. <i>Nanoscale</i> , 2018 , 10, 12605-12611	7.7	22
95	Shape-Controlled Synthesis of Platinum-Copper Nanocrystals for Efficient Liquid Fuel Electrocatalysis. <i>Langmuir</i> , 2018 , 34, 7981-7988	4	23
94	Facile Construction of N-Doped Graphene Supported Hollow PtAg Nanodendrites as Highly Efficient Electrocatalysts toward Formic Acid Oxidation Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 609-617	8.3	51
93	TiO ₂ Photonic Crystal Sensitized with Mn ₃ O ₄ Nanoparticles and Porphine Manganese(III) as Efficient Photoanode for Photoelectrochemical Water Splitting. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 260-266	3.8	8
92	Cu assisted synthesis of self-supported PdCu alloy nanowires with enhanced performances toward ethylene glycol electrooxidation. <i>Applied Surface Science</i> , 2018 , 434, 701-710	6.7	49
91	N-doped graphene supported PtAu/Pt intermetallic core/dendritic shell nanocrystals for efficient electrocatalytic oxidation of formic acid. <i>Chemical Engineering Journal</i> , 2018 , 334, 2638-2646	14.7	87
90	Solvent-mediated length tuning of ultrathin platinum-cobalt nanowires for efficient electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24418-24424	13	23
89	Constructing bundle-like Co-Mn oxides and Co-Mn selenides for efficient overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 22697-22704	13	27
88	Visible-light-driven trimetallic Pt-Ag-Ni alloy nanoparticles for efficient nanoelectrocatalytic oxidation of alcohols. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 93, 616-624	5.3	8
87	Heterogeneous Co(OH) nanoplates/CoO nanocubes enriched with oxygen vacancies enable efficient oxygen evolution reaction electrocatalysis. <i>Nanoscale</i> , 2018 , 10, 18468-18472	7.7	44
86	Self-supported nickel-cobalt nanowires as highly efficient and stable electrocatalysts for overall water splitting. <i>Nanoscale</i> , 2018 , 10, 18767-18773	7.7	36
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84	2D/2D Heterostructured CdS/WS with Efficient Charge Separation Improving H Evolution under Visible Light Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20458-20466	9.5	98
83	Facile construction of pompon-like PtAg alloy catalysts for enhanced ethylene glycol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 9644-9651	6.7	33
82	Exceptional ethylene glycol electrooxidation enabled by high-quality PdAgCu hollow nanospheres. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 91, 405-412	5.3	15
81	3D-1D Heterostructure of CoZn Oxyphosphide Nanosheets Anchored on Carbon Nanotubes as Electrocatalysts for the Oxygen Evolution Reaction. <i>ChemElectroChem</i> , 2018 , 5, 2558-2563	4.3	10
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79	Phosphorus-doped cobalt-iron oxyhydroxide with ultrafine nanosheet structure enable efficient oxygen evolution electrocatalysis. <i>Journal of Colloid and Interface Science</i> , 2018 , 530, 146-153	9.3	39
78	Enhanced electrocatalytic ethanol oxidation reaction in alkaline media over Pt on a 2D BiVO ₄ -modified electrode under visible light irradiation. <i>Catalysis Science and Technology</i> , 2018 , 8, 3562-3571	5.5	22
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75	Facile synthesis of Pd-decorated Pt/Ru networks with highly improved activity for methanol electrooxidation in alkaline media. <i>New Journal of Chemistry</i> , 2017 , 41, 3048-3054	3.6	26
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57	Hollow AuAg/Au core/shell nanospheres as efficient catalysts for electrooxidation of liquid fuels. <i>Nanoscale</i> , 2017 , 9, 12996-13003	7.7	70
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53	Electrochemical synthesis of gold nanoparticles decorated flower-like graphene for high sensitivity detection of nitrite. <i>Journal of Colloid and Interface Science</i> , 2017 , 488, 135-141	9.3	133
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47	Synthesis and high electrocatalytic activity of Au-decorated Pd heterogeneous nanocube catalysts for ethanol electro-oxidation in alkaline media. <i>Catalysis Science and Technology</i> , 2016 , 6, 5397-5404	5.5	50
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36	Facile synthesis of PdNi nanowire networks supported on reduced graphene oxide with enhanced catalytic performance for formic acid oxidation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14001-14006	13	115
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17	Electrochemical layer-by-layer fabrication of a novel three-dimensional Pt/graphene/carbon fiber electrode and its improved catalytic performance for methanol electrooxidation in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 6368-6376	6.7	47
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