Yukou Du

List of Publications by Citations

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	A facile electrochemical sensor based on reduced graphene oxide and Au nanoplates modified glassy carbon electrode for simultaneous detection of ascorbic acid, dopamine and uric acid. *Sensors and Actuators B: Chemical*, **2014**, 204, 302-309	8.5	324
226	Titanium dioxide nanoparticles co-doped with Fe3+ and Eu3+ ions for photocatalysis. *Materials Letters*, **2002**, 57, 794-801	3.3	232
225	Novel graphene flowers modified carbon fibers for simultaneous determination of ascorbic acid, dopamine and uric acid. *Biosensors and Bioelectronics*, **2014**, 53, 220-4	11.8	223
224	Ultrathin graphitic C3N4 nanosheet as a promising visible-light-activated support for boosting photoelectrocatalytic methanol oxidation. *Applied Catalysis B: Environmental*, **2017**, 203, 108-115	21.8	179
223	Surfactant assistance in improvement of photocatalytic hydrogen production with the porphyrin noncovalently functionalized graphene nanocomposite. *ACS Applied Materials & Interfaces*, **2013**, 5, 1732-40	9.5	169
222	Clean method for the synthesis of reduced graphene oxide-supported PtPd alloys with high electrocatalytic activity for ethanol oxidation in alkaline medium. *ACS Applied Materials & Interfaces*, **2014**, 6, 3607-14	9.5	162
221	Ultra-uniform PdBi nanodots with high activity towards formic acid oxidation. *Journal of Power Sources*, **2017**, 356, 27-35	8.9	133
220	Electrochemical synthesis of gold nanoparticles decorated flower-like graphene for high sensitivity detection of nitrite. *Journal of Colloid and Interface Science*, **2017**, 488, 135-141	9.3	133
219	Noble-metal-free hetero-structural CdS/Nb2O5/N-doped-graphene ternary photocatalytic system as visible-light-driven photocatalyst for hydrogen evolution. *Applied Catalysis B: Environmental*, **2017**, 201, 202-210	21.8	127
218	Highly efficient electrocatalytic performance based on Pt nanoflowers modified reduced graphene oxide/carbon cloth electrode. *Journal of Materials Chemistry*, **2012**, 22, 13707		118
217	Facile synthesis of PdNi nanowire networks supported on reduced graphene oxide with enhanced catalytic performance for formic acid oxidation. *Journal of Materials Chemistry A*, **2015**, 3, 14001-14006	13	115
216	Sophisticated Construction of Binary PdPb Alloy Nanocubes as Robust Electrocatalysts toward Ethylene Glycol and Glycerol Oxidation. *ACS Applied Materials & Interfaces*, **2018**, 10, 12659-12665	9.5	115
215	Ultrafine Pt-Based Nanowires for Advanced Catalysis. *Advanced Functional Materials*, **2020**, 30, 2000793	15.6	110
214	Three-dimensional open CoMoOx/CoMoSx/CoSx nanobox electrocatalysts for efficient oxygen evolution reaction. *Applied Catalysis B: Environmental*, **2020**, 265, 118605	21.8	109
213	Dopamine and uric acid electrochemical sensor based on a glassy carbon electrode modified with cubic Pd and reduced graphene oxide nanocomposite. *Journal of Colloid and Interface Science*, **2017**, 497, 172-180	9.3	105
212	High Efficiency Photoelectrocatalytic Methanol Oxidation on CdS Quantum Dots Sensitized Pt Electrode. *ACS Applied Materials & Interfaces*, **2016**, 8, 5972-80	9.5	105
211	Ru-assisted synthesis of Pd/Ru nanodendrites with high activity for ethanol electrooxidation. *Nanoscale*, **2015**, 7, 12445-51	7.7	102

210	Visible-light-assisted electrocatalytic oxidation of methanol using reduced graphene oxide modified Pt nanoflowers-TiO2 nanotube arrays. *ACS Applied Materials & Interfaces*, **2014**, 6, 17753-61	9.5	101
209	One-step electrodeposition of platinum nanoflowers and their high efficient catalytic activity for methanol electro-oxidation. *Electrochemistry Communications*, **2010**, 12, 882-885	5.1	100
208	Ultrasonic-assisted synthesis of N-doped graphene-supported binary PdAu nanoflowers for enhanced electro-oxidation of ethylene glycol and glycerol. *Electrochimica Acta*, **2017**, 245, 227-236	6.7	99
207	Universal Surfactant-Free Strategy for Self-Standing 3D Tremella-Like PdM (M = Ag, Pb, and Au) Nanosheets for Superior Alcohols Electrocatalysis. *Advanced Functional Materials*, **2020**, 30, 2000255	15.6	98
206	2D/2D Heterostructured CdS/WS with Efficient Charge Separation Improving H Evolution under Visible Light Irradiation. *ACS Applied Materials & Interfaces*, **2018**, 10, 20458-20466	9.5	98
205	Two dimensional MoS2/graphene composites as promising supports for Pt electrocatalysts towards methanol oxidation. *Journal of Power Sources*, **2015**, 275, 483-488	8.9	91
204	Surface and interface engineering of noble-metal-free electrocatalysts for efficient overall water splitting. *Coordination Chemistry Reviews*, **2020**, 418, 213374	23.2	91
203	Facile synthesis of Pd-Ru-P ternary nanoparticle networks with enhanced electrocatalytic performance for methanol oxidation. *International Journal of Hydrogen Energy*, **2017**, 42, 11229-11238	6.7	90
202	High efficient electrocatalytic oxidation of methanol on Pt/polyindoles composite catalysts. *International Journal of Hydrogen Energy*, **2010**, 35, 3270-3279	6.7	90
201	Self-supported porous 2D AuCu triangular nanoprisms as model electrocatalysts for ethylene glycol and glycerol oxidation. *Journal of Materials Chemistry A*, **2017**, 5, 15932-15939	13	87
200	N-doped graphene supported PtAu/Pt intermetallic core/dendritic shell nanocrystals for efficient electrocatalytic oxidation of formic acid. *Chemical Engineering Journal*, **2018**, 334, 2638-2646	14.7	87
199	Facile synthesis of PtAu nanoparticles supported on polydopamine reduced and modified graphene oxide as a highly active catalyst for methanol oxidation. *Electrochimica Acta*, **2015**, 153, 175-183	6.7	84
198	Low-Dimensional Metallic Nanomaterials for Advanced Electrocatalysis. *Advanced Functional Materials*, **2020**, 30, 2006317	15.6	84
197	Shape-control of one-dimensional PtNi nanostructures as efficient electrocatalysts for alcohol electrooxidation. *Nanoscale*, **2019**, 11, 4831-4836	7.7	79
196	Boosting electrocatalytic oxygen evolution over Prussian blue analog/transition metal dichalcogenide nanoboxes by photo-induced electron transfer. *Journal of Materials Chemistry A*, **2019**, 7, 26905-26910	13	78
195	One-pot synthesis of a RGO-supported ultrafine ternary PtAuRu catalyst with high electrocatalytic activity towards methanol oxidation in alkaline medium. *Journal of Materials Chemistry A*, **2013**, 1, 7255	13	78
194	An efficient PEDOT-coated textile for wearable thermoelectric generators and strain sensors. *Journal of Materials Chemistry C*, **2019**, 7, 3496-3502	7.1	74
193	Recent Progress of Ultrathin 2D Pd-Based Nanomaterials for Fuel Cell Electrocatalysis. *Small*, **2021**, 17, e2005092	11	73

192	Hollow AuAg/Au core/shell nanospheres as efficient catalysts for electrooxidation of liquid fuels. *Nanoscale*, **2017**, 9, 12996-13003	7.7	70
191	Efficient DMSO-Vapor Annealing for Enhancing Thermoelectric Performance of PEDOT:PSS-Based Aerogel. *ACS Applied Materials & Interfaces*, **2019**, 11, 2408-2417	9.5	70
190	Precursor-mediated size tuning of monodisperse PtRh nanocubes as efficient electrocatalysts for ethylene glycol oxidation. *Journal of Materials Chemistry A*, **2019**, 7, 7891-7896	13	67
189	A three dimensional Pt nanodendrite/graphene/MnO nanoflower modified electrode for the sensitive and selective detection of dopamine. *Journal of Materials Chemistry B*, **2015**, 3, 7440-7448	7.3	66
188	Design of PdAg Hollow Nanoflowers through Galvanic Replacement and Their Application for Ethanol Electrooxidation. *Chemistry - A European Journal*, **2016**, 22, 16642-16647	4.8	65
187	Anchoring gold nanoparticles on poly(3,4-ethylenedioxythiophene) (PEDOT) nanonet as three-dimensional electrocatalysts toward ethanol and 2-propanol oxidation. *Journal of Colloid and Interface Science*, **2019**, 541, 258-268	9.3	64
186	Self-template construction of Sub-24 nm Pd Ag hollow nanodendrites as highly efficient electrocatalysts for ethylene glycol oxidation. *Journal of Power Sources*, **2019**, 418, 186-192	8.9	63
185	High efficient electrocatalytic oxidation of formic acid on Pt/polyindoles composite catalysts. *Electrochimica Acta*, **2010**, 55, 2911-2917	6.7	63
184	Coupling ZnxCd1⊠S nanoparticles with graphene-like MoS2: superior interfacial contact, low overpotential and enhanced photocatalytic activity under visible-light irradiation. *Catalysis Science and Technology*, **2014**, 4, 2650-2657	5.5	60
183	N-doped graphene-supported binary PdBi networks for formic acid oxidation. *Applied Surface Science*, **2017**, 416, 191-199	6.7	58
182	Hierarchical NiMo Phosphide Nanosheets Strongly Anchored on Carbon Nanotubes as Robust Electrocatalysts for Overall Water Splitting. *ACS Applied Materials & Interfaces*, **2018**, 10, 29647-29655	9.5	58
181	Facile fabrication of novel PdRu nanoflowers as highly active catalysts for the electrooxidation of methanol. *Journal of Colloid and Interface Science*, **2017**, 505, 1-8	9.3	57
180	Advances in engineering RuO2 electrocatalysts towards oxygen evolution reaction. *Chinese Chemical Letters*, **2021**, 32, 2108-2116	8.1	57
179	Three-dimensional Au0.5/reduced graphene oxide/Au0.5/reduced graphene oxide/carbon fiber electrode and its high catalytic performance toward ethanol electrooxidation in alkaline media. *Journal of Materials Chemistry A*, **2015**, 3, 4389-4398	13	56
178	Porous bimetallic PdNi catalyst with high electrocatalytic activity for ethanol electrooxidation. *Journal of Colloid and Interface Science*, **2017**, 493, 190-197	9.3	55
177	Three-dimensional PdCuM (M = Ru, Rh, Ir) Trimetallic Alloy Nanosheets for Enhancing Methanol Oxidation Electrocatalysis. *ACS Applied Materials & Interfaces*, **2019**, 11, 42123-42130	9.5	55
176	Facile construction of fascinating trimetallic PdAuAg nanocages with exceptional ethylene glycol and glycerol oxidation activity. *Nanoscale*, **2017**, 9, 17004-17012	7.7	53
175	PVP-stabilized PdAu nanowire networks prepared in different solvents endowed with high electrocatalytic activities for the oxidation of ethylene glycol and isopropanol. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 522, 335-345	5.1	52

174	Photocatalytic H2 production under visible-light irradiation based on covalent attachment of manganese phthalocyanine to graphene. *Journal of Materials Chemistry A*, **2015**, 3, 4195-4202	13	52
173	Fabrication of Pd/P nanoparticle networks with high activity for methanol oxidation. *Catalysis Science and Technology*, **2016**, 6, 6441-6447	5.5	51
172	Facile Construction of N-Doped Graphene Supported Hollow PtAg Nanodendrites as Highly Efficient Electrocatalysts toward Formic Acid Oxidation Reaction. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 609-617	8.3	51
171	Synthesis and high electrocatalytic activity of Au-decorated Pd heterogeneous nanocube catalysts for ethanol electro-oxidation in alkaline media. *Catalysis Science and Technology*, **2016**, 6, 5397-5404	5.5	50
170	Glycine-Assisted Fabrication of N-Doped Graphene-Supported Uniform Multipetal PtAg Nanoflowers for Enhanced Ethanol and Ethylene Glycol Oxidation. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 3176-3184	8.3	50
169	Cu assisted synthesis of self-supported PdCu alloy nanowires with enhanced performances toward ethylene glycol electrooxidation. *Applied Surface Science*, **2018**, 434, 701-710	6.7	49
168	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. *International Journal of Hydrogen Energy*, **2013**, 38, 6368-6376	6.7	47
167	Heterogeneous Co(OH) nanoplates/CoO nanocubes enriched with oxygen vacancies enable efficient oxygen evolution reaction electrocatalysis. *Nanoscale*, **2018**, 10, 18468-18472	7.7	44
166	Ultralow Ru doping induced interface engineering in MOF derived ruthenium-cobalt oxide hollow nanobox for efficient water oxidation electrocatalysis. *Chemical Engineering Journal*, **2021**, 420, 129805	14.7	43
165	PdCu alloy nanosheets-constructed 3D flowers: New highly sensitive materials for H2S detection. *Sensors and Actuators B: Chemical*, **2019**, 289, 260-268	8.5	42
164	A high performance all-organic thermoelectric fiber generator towards promising wearable electron. *Composites Science and Technology*, **2019**, 182, 107767	8.6	42
163	Universal strategies to multi-dimensional noble-metal-based catalysts for electrocatalysis. *Coordination Chemistry Reviews*, **2021**, 436, 213825	23.2	42
162	Highly sensitive electrochemical determination of Sunset Yellow based on the ultrafine Au-Pd and reduced graphene oxide nanocomposites. *Journal of Colloid and Interface Science*, **2016**, 481, 229-35	9.3	42
161	Nanoboxes endow non-noble-metal-based electrocatalysts with high efficiency for overall water splitting. *Journal of Materials Chemistry A*, **2021**, 9, 857-874	13	40
160	Uniform PdCu coated Te nanowires as efficient catalysts for electrooxidation of ethylene glycol. *Journal of Colloid and Interface Science*, **2019**, 540, 265-271	9.3	39
159	Engineered photoelectrochemical platform for the ultrasensitive detection of caffeic acid based on flower-like MoS2 and PANI nanotubes nanohybrid. *Sensors and Actuators B: Chemical*, **2018**, 276, 322-330	8.5	39
158	Phosphorus-doped cobalt-iron oxyhydroxide with untrafine nanosheet structure enable efficient oxygen evolution electrocatalysis. *Journal of Colloid and Interface Science*, **2018**, 530, 146-153	9.3	39
157	Insights into photo-activated electrode for boosting electrocatalytic methanol oxidation based on ultrathin MoS2 nanosheets enwrapped CdS nanowires. *International Journal of Hydrogen Energy*, **2017**, 42, 5006-5015	6.7	38

156	Facile synthesis of PVP-assisted PtRu/RGO nanocomposites with high electrocatalytic performance for methanol oxidation. *RSC Advances*, **2014**, 4, 39612-39618	3.7	38
155	Dendritic Ag@Pt core–shell catalyst modified with reduced graphene oxide and titanium dioxide: Fabrication, characterization, and its photo-electrocatalytic performance. *International Journal of Hydrogen Energy*, **2014**, 39, 5764-5771	6.7	37
154	Preparation of PdNi nanospheres with enhanced catalytic performance for methanol electrooxidation in alkaline medium. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 529, 651-658	5.1	37
153	Synthesis and characterization of core-shell PdAu convex nanospheres with enhanced electrocatalytic activity for ethylene glycol oxidation. *Journal of Alloys and Compounds*, **2017**, 723, 36-42	5.7	37
152	Self-supported nickel-cobalt nanowires as highly efficient and stable electrocatalysts for overall water splitting. *Nanoscale*, **2018**, 10, 18767-18773	7.7	36
151	RuO2/TiSi2/graphene composite for enhanced photocatalytic hydrogen generation under visible light irradiation. *Physical Chemistry Chemical Physics*, **2013**, 15, 2793-9	3.6	35
150	Electrochemical-reduced graphene oxide-modified carbon fiber as PtAu nanoparticle support and its high efficient electrocatalytic activity for formic acid oxidation. *Journal of Solid State Electrochemistry*, **2013**, 17, 2511-2519	2.6	34
149	Visible-Light-Driven 3D Dendritic PtAu@Pt Core–Shell Photocatalyst toward Liquid Fuel Electrooxidation. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 7159-7167	8.3	33
148	Facile construction of pompon-like PtAg alloy catalysts for enhanced ethylene glycol electrooxidation. *International Journal of Hydrogen Energy*, **2018**, 43, 9644-9651	6.7	33
147	Ir-Doped Pd Nanosheet Assemblies as Bifunctional Electrocatalysts for Advanced Hydrogen Evolution Reaction and Liquid Fuel Electrocatalysis. *Inorganic Chemistry*, **2020**, 59, 3321-3329	5.1	32
146	Roles of Polyethylenimine Ethoxylated in Efficiently Tuning the Thermoelectric Performance of Poly(3,4-ethylenedioxythiophene)-Rich Nanocrystal Films. *ACS Applied Materials & Interfaces*, **2019**, 11, 8138-8147	9.5	31
145	Sub-5nm monodispersed PdCu nanosphere with enhanced catalytic activity towards ethylene glycol electrooxidation. *Electrochimica Acta*, **2018**, 261, 521-529	6.7	31
144	Interfacial electronic structure modulation enables CoMoOx/CoOx/RuOx to boost advanced oxygen evolution electrocatalysis. *Journal of Materials Chemistry A*, **2021**, 9, 14601-14606	13	30
143	Pd-nanoparticle-supported, PDDA-functionalized graphene as a promising catalyst for alcohol oxidation. *Chemistry - an Asian Journal*, **2015**, 10, 667-73	4.5	29
142	A facile fabrication of copper particle-decorated novel graphene flower composites for enhanced detecting of nitrite. *Analyst, The*, **2015**, 140, 1291-7	5	28
141	Eco-friendly and facile synthesis of novel bayberry-like PtRu alloy as efficient catalysts for ethylene glycol electrooxidation. *International Journal of Hydrogen Energy*, **2017**, 42, 20720-20728	6.7	28
140	Electrocatalytic activity of Pd nanoparticles supported on poly(3,4-ethylenedioxythiophene)-graphene hybrid for ethanol electrooxidation. *Journal of Solid State Electrochemistry*, **2013**, 17, 1039-1047	2.6	28
139	Facile construction of ultrafine nickel-zinc oxyphosphide nanosheets as high-performance electrocatalysts for oxygen evolution reaction. *Journal of Colloid and Interface Science*, **2018**, 530, 58-66	9.3	28

138	Highly open bowl-like PtAuAg nanocages as robust electrocatalysts towards ethylene glycol oxidation. *Journal of Power Sources*, **2018**, 384, 42-47	8.9	27
137	Constructing bundle-like Co-Mn oxides and Co-Mn selenides for efficient overall water splitting. *Journal of Materials Chemistry A*, **2018**, 6, 22697-22704	13	27
136	Facile synthesis of Pd-decorated Pt/Ru networks with highly improved activity for methanol electrooxidation in alkaline media. *New Journal of Chemistry*, **2017**, 41, 3048-3054	3.6	26
135	Superior Ethanol Oxidation Electrocatalysis Enabled by Ternary Pd-Rh-Te Nanotubes. *Inorganic Chemistry*, **2019**, 58, 12377-12384	5.1	26
134	Superior ethylene glycol oxidation electrocatalysis enabled by hollow PdNi nanospheres. *Electrochimica Acta*, **2018**, 268, 383-391	6.7	26
133	Surface-Plasmon-Enhanced Photo-electrocatalytic Ethylene Glycol Oxidation Based on Highly Open AuAg Nanobowls. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 4138-4146	8.3	26
132	High Performance of Manganese Porphyrin Sensitized p-Type CuFe2O4 Photocathode for Solar Water Splitting to Produce Hydrogen in a Tandem Photoelectrochemical Cell. *Catalysts*, **2018**, 8, 108	4	26
131	Electrocatalytic oxidation of formic acid on Pt–Pd decorated–polyfluorenes with hydroxyl and carboxyl substitution. *International Journal of Hydrogen Energy*, **2013**, 38, 12755-12766	6.7	26
130	Sophisticated Construction of Hollow Au–Ag–Cu Nanoflowers as Highly Efficient Electrocatalysts toward Ethylene Glycol Oxidation. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 10490-10498	8.3	25
129	Enhanced photo-assisted ethanol electro-oxidation activity by using broadband visible light absorption of a graphitic C3N4/BiOI carrier. *Sustainable Energy and Fuels*, **2019**, 3, 439-449	5.8	25
128	Ultrafine two-dimensional alloyed PdCu nanosheets-constructed three-dimensional nanoflowers enable efficient ethylene glycol electrooxidation. *Applied Surface Science*, **2019**, 481, 1532-1537	6.7	25
127	Hollow V-Doped CoM (M = P, S, O) Nanoboxes as Efficient OER Electrocatalysts for Overall Water Splitting. *Inorganic Chemistry*, **2020**, 59, 11814-11822	5.1	25
126	Dual mode electrochemical-photoelectrochemical sensing platform for hydrogen sulfide detection based on the inhibition effect of titanium dioxide/bismuth tungstate/silver heterojunction. *Journal of Colloid and Interface Science*, **2021**, 581, 323-333	9.3	25
125	Visible-Light-Improved Catalytic Performance for Methanol Oxidation Based on Plasmonic PtAu Dendrites. *ChemElectroChem*, **2018**, 5, 1191-1196	4.3	24
124	Novel networked wicker-like PtFe nanowires with branch-rich exteriors for efficient electrocatalysis. *Nanoscale*, **2019**, 11, 15561-15566	7.7	24
123	Geometric and Electronic Engineering of Mn-Doped Cu(OH) Hexagonal Nanorings for Superior Oxygen Evolution Reaction Electrocatalysis. *Inorganic Chemistry*, **2019**, 58, 15433-15442	5.1	24
122	Enhanced photo-electrochemical response of reduced graphene oxide and CN nanosheets for rutin detection. *Journal of Colloid and Interface Science*, **2017**, 506, 329-337	9.3	24
121	Self-Supported Worm-like PdAg Nanoflowers as Efficient Electrocatalysts towards Ethylene Glycol Oxidation. *ChemElectroChem*, **2017**, 4, 2527-2534	4.3	24

120	From bimetallic PdCu nanowires to ternary PdCu-SnO nanowires: Interface control for efficient ethanol electrooxidation. *Journal of Colloid and Interface Science*, **2020**, 560, 802-810	9.3	24
119	Seed-mediated synthesis of cross-linked Pt-NiO nanochains for methanol oxidation. *Applied Surface Science*, **2017**, 411, 379-385	6.7	23
118	A novel heterogeneous hybrid by incorporation of Nb2O5 microspheres and reduced graphene oxide for photocatalytic H2 evolution under visible light irradiation. *RSC Advances*, **2015**, 5, 47117-47124	3.7	23
117	Engineering Spiny PtFePd@PtFe/Pt Core@Multishell Nanowires with Enhanced Performance for Alcohol Electrooxidation. *ACS Applied Materials & Interfaces*, **2019**, 11, 30880-30886	9.5	23
116	Shape-Controlled Synthesis of Platinum-Copper Nanocrystals for Efficient Liquid Fuel Electrocatalysis. *Langmuir*, **2018**, 34, 7981-7988	4	23
115	Solvent-mediated length tuning of ultrathin platinum–cobalt nanowires for efficient electrocatalysis. *Journal of Materials Chemistry A*, **2018**, 6, 24418-24424	13	23
114	General synthesis of Pd-pm (pm = Ga, In, Sn, Pb, Bi) alloy nanosheet assemblies for advanced electrocatalysis. *Nanoscale*, **2020**, 12, 3411-3417	7.7	22
113	Flower-like PdCu catalyst with high electrocatalytic properties for ethylene glycol oxidation. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 83, 32-39	5.3	22
112	3D-2D heterostructure of PdRu/NiZn oxyphosphides with improved durability for electrocatalytic methanol and ethanol oxidation. *Nanoscale*, **2018**, 10, 12605-12611	7.7	22
111	Enhanced electrocatalytic ethanol oxidation reaction in alkaline media over Pt on a 2D BiVO4-modified electrode under visible light irradiation. *Catalysis Science and Technology*, **2018**, 8, 3562-3571	5.5	22
110	Graphene supported palladium-phosphorus nanoparticles as a promising catalyst for ethylene glycol oxidation. *Applied Surface Science*, **2019**, 491, 735-741	6.7	21
109	Superior liquid fuel oxidation electrocatalysis enabled by novel bimetallic PtNi nanorods. *Journal of Power Sources*, **2019**, 425, 179-185	8.9	21
108	Highly active and durable flowerlike Pd/Ni(OH)2 catalyst for the electrooxidation of ethanol in alkaline medium. *RSC Advances*, **2016**, 6, 72722-72727	3.7	21
107	WS2 as an Effective Noble-Metal Free Cocatalyst Modified TiSi2 for Enhanced Photocatalytic Hydrogen Evolution under Visible Light Irradiation. *Catalysts*, **2016**, 6, 136	4	21
106	Three-dimensional palladium-rhodium nanosheet assemblies: Highly efficient catalysts for methanol electrooxidation. *Journal of Colloid and Interface Science*, **2019**, 556, 360-365	9.3	20
105	Hierarchical branched platinum-copper tripods as highly active and stable catalysts. *Nanoscale*, **2018**, 10, 8246-8252	7.7	20
104	Enhanced formic acid electrooxidation reaction enabled by 3D PtCo nanodendrites electrocatalyst. *Journal of Alloys and Compounds*, **2019**, 774, 274-281	5.7	20
103	Organic/inorganic hybrid for flexible thermoelectric fibers. *Chemical Engineering Journal*, **2021**, 405, 126510	14.7	20

102	1D alloy ultrafine Pt-Fe nanowires as efficient electrocatalysts for alcohol electrooxidation in alkaline media. *Nanoscale*, **2018**, 10, 16468-16473	7.7	19
101	Facile Synthesis of MnPO4·H2O Nanowire/Graphene Oxide Composite Material and Its Application as Electrode Material for High Performance Supercapacitors. *Catalysts*, **2016**, 6, 198	4	19
100	Ultrafine PtCuRh nanowire catalysts with alleviated poisoning effect for efficient ethanol oxidation. *Nanoscale*, **2019**, 11, 20090-20095	7.7	19
99	Exceptional ethylene glycol electrooxidation activity enabled by sub-16 nm dendritic PtCu nanocrystals catalysts. *International Journal of Hydrogen Energy*, **2018**, 43, 1489-1496	6.7	18
98	One-pot fabrication of N-doped graphene supported dandelion-like PtRu nanocrystals as efficient and robust electrocatalysts towards formic acid oxidation. *Journal of Colloid and Interface Science*, **2018**, 512, 96-104	9.3	18
97	Three-Dimensional Porous Carbon Derived from Polyindole Hollow Nanospheres for High-Performance Supercapacitor Electrode. *ACS Applied Energy Materials*, **2018**, 1, 4572-4579	6.1	18
96	Monodispersed porous flowerlike PtAu nanocrystals as effective electrocatalysts for ethanol oxidation. *Applied Surface Science*, **2017**, 422, 172-178	6.7	17
95	Polydopamine functionalized multi-walled carbon nanotubes supported PdAu nanoparticles as advanced catalysts for ethylene glycol oxidation. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 578, 123566	5.1	17
94	Pt Islands on 3 D Nut-like PtAg Nanocrystals for Efficient Formic Acid Oxidation Electrocatalysis. *ChemSusChem*, **2018**, 11, 1056-1062	8.3	17
93	High efficient electrooxidation of formic acid at a novel Ptindole composite catalyst prepared by electrochemical self-assembly. *Journal of Power Sources*, **2011**, 196, 1118-1122	8.9	17
92	Recent advances in one-dimensional noble-metal-based catalysts with multiple structures for efficient fuel-cell electrocatalysis. *Coordination Chemistry Reviews*, **2022**, 450, 214244	23.2	17
91	Synthesis of Pt nanoparticles supported on a novel 2D bismuth tungstate/lanthanum titanate heterojunction for photoelectrocatalytic oxidation of methanol. *Journal of Colloid and Interface Science*, **2020**, 561, 338-347	9.3	17
90	Simply synthesized nitrogen-doped graphene quantum dot (NGQD)-modified electrode for the ultrasensitive photoelectrochemical detection of dopamine. *Nanophotonics*, **2020**, 9, 3831-3839	6.3	17
89	A general MOF-intermediated synthesis of hollow CoFe-based trimetallic phosphides composed of ultrathin nanosheets for boosting water oxidation electrocatalysis. *Nanoscale*, **2021**, 13, 7279-7284	7.7	17
88	Graphene nanosheet-supported Pd nano-leaves with highly efficient electrocatalytic performance for formic acid oxidation. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 488, 1-6	5.1	16
87	Graphene enhanced photocatalytic hydrogen evolution performance of dye-sensitized TiO2 under visible light irradiation. *Materials Letters*, **2013**, 107, 31-34	3.3	16
86	Plasmonic and photo-electrochemical enhancements of the AuAg@Au/RGO-CN nanocomposite for the detection of DA. *Analyst, The*, **2017**, 142, 4852-4861	5	16
85	Trimetallic platinum-nickel-palladium nanorods with abundant bumps as robust catalysts for methanol electrooxidation. *Journal of Colloid and Interface Science*, **2020**, 561, 512-518	9.3	16

84	Tunable long-chains of core@shell PdAg@Pd as high-performance catalysts for ethanol oxidation. *Journal of Colloid and Interface Science*, **2020**, 574, 182-189	9.3	16
83	Advances in hydrogen production from electrocatalytic seawater splitting. *Nanoscale*, **2021**, 13, 7897-7912	7.7	16
82	High-density surface protuberances endow ternary PtFeSn nanowires with high catalytic performance for efficient alcohol electro-oxidation. *Nanoscale*, **2019**, 11, 18176-18182	7.7	15
81	Facile construction of trimetallic PtAuRu nanostructures with highly porous features and perpendicular pore channels as enhanced formic acid catalysts. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2018**, 537, 418-424	5.1	15
80	Exceptional ethylene glycol electrooxidation enabled by high-quality PdAgCu hollow nanospheres. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 91, 405-412	5.3	15
79	Metal-modified PtTe2 nanorods: Surface reconstruction for efficient methanol oxidation electrocatalysis. *Chemical Engineering Journal*, **2021**, 424, 130319	14.7	15
78	A review of the role and mechanism of surfactants in the morphology control of metal nanoparticles. *Nanoscale*, **2021**, 13, 3895-3910	7.7	15
77	Shape-controlled PdSn alloy as superior electrocatalysts for alcohol oxidation reactions. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 101, 167-176	5.3	14
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