

Jong-Min Lee

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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.

146 papers	7,571 citations	52 h-index	83 g-index
151 ext. papers	9,931 ext. citations	10.4 avg, IF	7.15 L-index

#	Paper	IF	Citations
146	Boosting Bifunctional Oxygen Electrocatalysis with 3D Graphene Aerogel-Supported Ni/MnO Particles. <i>Advanced Materials</i> , 2018 , 30, 1704609	24	389
145	Graphene for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14814	13	348
144	A review on the electrochemical reduction of CO ₂ in fuel cells, metal electrodes and molecular catalysts. <i>Catalysis Today</i> , 2014 , 233, 169-180	5.3	340
143	High performance asymmetric supercapacitors: New NiOOH nanosheet/graphene hydrogels and pure graphene hydrogels. <i>Nano Energy</i> , 2016 , 19, 210-221	17.1	222
142	Transition metal nitrides for electrochemical energy applications. <i>Chemical Society Reviews</i> , 2021 , 50, 1354-1390	58.5	207
141	MOF-Derived Hollow Cage Ni Co O and Their Synergy with Graphene for Outstanding Supercapacitors. <i>Small</i> , 2017 , 13, 1603102	11	176
140	Exploring Indium-Based Ternary Thiospinel as Conceivable High-Potential Air-Cathode for Rechargeable Zn-Air Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1802263	21.8	164
139	Design Strategies for Development of TMD-Based Heterostructures in Electrochemical Energy Systems. <i>Matter</i> , 2020 , 2, 526-553	12.7	160
138	Structural and Electronic Optimization of MoS Edges for Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18578-18584	16.4	150
137	Superior Oxygen Electrocatalysis on Nickel Indium Thiospinels for Rechargeable Zn-Air Batteries 2019 , 1, 123-131		135
136	Ternary metal sulfides for electrocatalytic energy conversion. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9386-9405	13	135
135	Polyallylamine-Functionalized Platinum Tripods: Enhancement of Hydrogen Evolution Reaction by Proton Carriers. <i>ACS Catalysis</i> , 2017 , 7, 452-458	13.1	125
134	Trimetallic PtAgCu@PtCu core@shell concave nanooctahedrons with enhanced activity for formic acid oxidation reaction. <i>Nano Energy</i> , 2015 , 12, 824-832	17.1	111
133	Alveolate porous carbon aerogels supported Co ₉ S ₈ derived from a novel hybrid hydrogel for bifunctional oxygen electrocatalysis. <i>Carbon</i> , 2019 , 144, 557-566	10.4	109
132	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> , 2019 , 15, e1901518	11	108
131	Robust N-doped carbon aerogels strongly coupled with iron-cobalt particles as efficient bifunctional catalysts for rechargeable Zn-air batteries. <i>Nanoscale</i> , 2018 , 10, 19937-19944	7.7	108
130	Novel synthesis of high performance anode materials for lithium-ion batteries (LIBs). <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1589-1626	13	107

129	Heterostructured Catalysts for Electrocatalytic and Photocatalytic Carbon Dioxide Reduction. <i>Advanced Functional Materials</i> , 2020 , 30, 1910768	15.6	105
128	Recent Advances in Carbon-Based Bifunctional Oxygen Electrocatalysts for Zn-Air Batteries. <i>ChemElectroChem</i> , 2018 , 5, 1424-1434	4.3	102
127	Polyethyleneimine functionalized platinum superstructures: enhancing hydrogen evolution performance by morphological and interfacial control. <i>Chemical Science</i> , 2017 , 8, 8411-8418	9.4	101
126	Morphological and Interfacial Control of Platinum Nanostructures for Electrocatalytic Oxygen Reduction. <i>ACS Catalysis</i> , 2016 , 6, 5260-5267	13.1	100
125	Improvement of biomass properties by pretreatment with ionic liquids for bioconversion process. <i>Bioresource Technology</i> , 2012 , 111, 453-9	11	98
124	Recent advances in structural engineering of MXene electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10604-10624	13	94
123	Graphene/NiO nanowires: controllable one-pot synthesis and enhanced pseudocapacitive behavior. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8246-56	9.5	94
122	Recent Trends, Benchmarking, and Challenges of Electrochemical Reduction of CO ₂ by Molecular Catalysts. <i>Advanced Energy Materials</i> , 2019 , 9, 1900090	21.8	91
121	Co-Induced Electronic Optimization of Hierarchical NiFe LDH for Oxygen Evolution. <i>Small</i> , 2020 , 16, e2001426	24.26	87
120	Metallenes as functional materials in electrocatalysis. <i>Chemical Society Reviews</i> , 2021 , 50, 6700-6719	58.5	86
119	Linkage Effect in the Heterogenization of Cobalt Complexes by Doped Graphene for Electrocatalytic CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13532-13539	16.4	84
118	What causes the low viscosity of ether-functionalized ionic liquids? Its dependence on the increase of free volume. <i>RSC Advances</i> , 2012 , 2, 10564	3.7	84
117	Confined growth of pyridinic N/Mo ₂ C sites on MXenes for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 7109-7116	13	78
116	Ni(OH) ₂ Nanoflowers/Graphene Hydrogels: A New Assembly for Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3736-3742	8.3	77
115	Modulation of Single Atomic Co and Fe Sites on Hollow Carbon Nanospheres as Oxygen Electrodes for Rechargeable Zn-Air Batteries.. <i>Small Methods</i> , 2021 , 5, e2000751	12.8	75
114	Facile Synthesis of Porous Pd Pt Half-Shells with Rich "Active Sites" as Efficient Catalysts for Formic Acid Oxidation. <i>Small</i> , 2018 , 14, e1703940	11	73
113	Carbon-based hydrogels: synthesis and their recent energy applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15491-15518	13	72
112	Robust bifunctional oxygen electrocatalyst with a rigid and flexible structure for air-cathodes. <i>NPG Asia Materials</i> , 2018 , 10, 618-629	10.3	72

111	Highly Efficient Oxygen Reduction Reaction Activity of N-Doped Carbon/Cobalt Boride Heterointerfaces. <i>Advanced Energy Materials</i> , 2021 , 11, 2100157	21.8	72
110	Heterojunction-Assisted Co S @Co O Core-Shell Octahedrons for Supercapacitors and Both Oxygen and Carbon Dioxide Reduction Reactions. <i>Small</i> , 2017 , 13, 1701724	11	68
109	Electronic Modulation of Non-van der Waals 2D Electrocatalysts for Efficient Energy Conversion. <i>Advanced Materials</i> , 2021 , 33, e2008422	24	68
108	One-Pot Fabrication of Hollow and Porous Pd-Cu Alloy Nanospheres and Their Remarkably Improved Catalytic Performance for Hexavalent Chromium Reduction. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30948-30955	9.5	66
107	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> , 2014 , 2, 13840	13	66
106	Recyclability of an ionic liquid for biomass pretreatment. <i>Bioresource Technology</i> , 2014 , 169, 336-343	11	66
105	Catalytic activities for methanol oxidation on ultrathin CuPt wavy nanowires with/without smart polymer. <i>Chemical Science</i> , 2016 , 7, 5414-5420	9.4	65
104	Effect of Organic Solvent in Ionic Liquid on Biomass Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 894-902	8.3	64
103	Three-Dimensional Graphene-Supported NiFe/CoS Composites: Rational Design and Active for Oxygen Reversible Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4028-4036	9.5	60
102	Core-Shell CuPd@Pd tetrahedra with concave structures and Pd-enriched surface boost formic acid oxidation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10632-10638	13	60
101	Graphene/acid assisted facile synthesis of structure-tuned Fe ₃ O ₄ and graphene composites as anode materials for lithium ion batteries. <i>Carbon</i> , 2015 , 86, 310-317	10.4	57
100	A Microribbon Hybrid Structure of CoOx-MoC Encapsulated in N-Doped Carbon Nanowire Derived from MOF as Efficient Oxygen Evolution Electrocatalysts. <i>Small</i> , 2017 , 13, 1702753	11	56
99	B, N-doped ultrathin carbon nanosheet superstructure for high-performance oxygen reduction reaction in rechargeable zinc-air battery. <i>Carbon</i> , 2020 , 164, 398-406	10.4	55
98	Thermal decomposition synthesis of functionalized PdPt alloy nanodendrites with high selectivity for oxygen reduction reaction. <i>NPG Asia Materials</i> , 2015 , 7, e219-e219	10.3	55
97	Tailoring of Metal Boride Morphology via Anion for Efficient Water Oxidation. <i>Advanced Energy Materials</i> , 2019 , 9, 1901503	21.8	54
96	Synthesis of CNT@Fe ₃ O ₄ -C hybrid nanocables as anode materials with enhanced electrochemical performance for lithium ion batteries. <i>Electrochimica Acta</i> , 2015 , 176, 1332-1337	6.7	52
95	Enhanced electrochemical performance of lithium ion batteries using SbS nanorods wrapped in graphene nanosheets as anode materials. <i>Nanoscale</i> , 2018 , 10, 3159-3165	7.7	52
94	Conventional and New Materials for Selective Catalytic Reduction (SCR) of NO _x . <i>ChemCatChem</i> , 2018 , 10, 1499-1511	5.2	50

93	3D ordered porous MoC (x = 1 or 2) for advanced hydrogen evolution and Li storage. <i>Nanoscale</i> , 2017 , 9, 7260-7267	7.7	48
92	MOF-derived nickel and cobalt metal nanoparticles in a N-doped coral shaped carbon matrix of coconut leaf sheath origin for high performance supercapacitors and OER catalysis. <i>Electrochimica Acta</i> , 2018 , 265, 336-347	6.7	48
91	Nanobelt-arrayed vanadium oxide hierarchical microspheres as catalysts for selective oxidation of 5-hydroxymethylfurfural toward 2,5-diformylfuran. <i>Applied Catalysis B: Environmental</i> , 2017 , 207, 358-365	21.8	47
90	Green and facile synthesis of Fe ₃ O ₄ and graphene nanocomposites with enhanced rate capability and cycling stability for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16206-16212	13	47
89	Hierarchical self-assembled BiS hollow nanotubes coated with sulfur-doped amorphous carbon as advanced anode materials for lithium ion batteries. <i>Nanoscale</i> , 2018 , 10, 13343-13350	7.7	46
88	Porous PdRh nanobowls: facile synthesis and activity for alkaline ethanol oxidation. <i>Nanoscale</i> , 2019 , 11, 2974-2980	7.7	44
87	Pd catalyst supported on a chitosan-functionalized large-area 3D reduced graphene oxide for formic acid electrooxidation reaction. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6839	13	44
86	Gd-induced electronic structure engineering of a NiFe-layered double hydroxide for efficient oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 2999-3006	13	44
85	Facile Synthesis of Hollow Mesoporous CoFe ₂ O ₄ Nanospheres and Graphene Composites as High-Performance Anode Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2015 , 2, 1010-1018	4.3	43
84	Coupling orientation and mediation strategies for efficient electron transfer in hybrid biofuel cells. <i>Nature Energy</i> , 2018 , 3, 574-581	62.3	42
83	Tuning the Electronic Spin State of Catalysts by Strain Control for Highly Efficient Water Electrolysis. <i>Small Methods</i> , 2018 , 2, 1800001	12.8	41
82	Bifunctional Sulfonated MoO ₃ /rO ₂ Binary Oxide Catalysts for the One-Step Synthesis of 2,5-Diformylfuran from Fructose. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 2976-2982	8.3	41
81	One-pot transformation of cellobiose to formic acid and levulinic acid over ionic-liquid-based polyoxometalate hybrids. <i>ChemSusChem</i> , 2014 , 7, 2670-7	8.3	41
80	Recent Progress of Metal Carbides Encapsulated in Carbon-Based Materials for Electrocatalysis of Oxygen Reduction Reaction. <i>Small Methods</i> , 2020 , 4, 1900575	12.8	41
79	Ultra-small and low crystalline CoMoO ₄ nanorods for electrochemical capacitors. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 324-335	5.8	39
78	Two-Dimensional Cobalt/N-Doped Carbon Hybrid Structure Derived from Metal-Organic Frameworks as Efficient Electrocatalysts for Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 5646-5650	8.3	38
77	MoO ₃ -Containing Protonated Nitrogen Doped Carbon as a Bifunctional Catalyst for One-Step Synthesis of 2,5-Diformylfuran from Fructose. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 284-291	8.3	37
76	Hydrogels for Medical and Environmental Applications. <i>Small Methods</i> , 2020 , 4, 1900735	12.8	34

75	Novel graphene/polyaniline/MnOx 3D-hydrogels obtained by controlled morphology of MnOx in the graphene/polyaniline matrix for high performance binder-free supercapacitor electrodes. <i>RSC Advances</i> , 2015 , 5, 94388-94396	3.7	33
74	Nitrogen-Doped Carbon-Encapsulated Antimony Sulfide Nanowires Enable High Rate Capability and Cyclic Stability for Sodium-Ion Batteries. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1457-1465	5.6	32
73	3D Graphene Hollow Nanospheres@Palladium-Networks as an Efficient Electrocatalyst for Formic Acid Oxidation. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500321	4.6	32
72	CuPt Dodecahedra with Low-Pt Content: Facile Synthesis and Outstanding Formic Acid Electrooxidation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 34869-34877	9.5	30
71	Vanadium-embedded mesoporous carbon microspheres as effective catalysts for selective aerobic oxidation of 5-hydroxymethyl-2-furfural into 2, 5-diformylfuran. <i>Applied Catalysis A: General</i> , 2018 , 568, 16-22	5.1	30
70	Hollow and porous palladium nanocrystals: synthesis and electrocatalytic application. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21995-21999	13	29
69	Interface engineering in transition metal-based heterostructures for oxygen electrocatalysis. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1033-1059	7.8	29
68	Graphene-Based Advanced Membrane Applications in Organic Solvent Nanofiltration. <i>Advanced Functional Materials</i> , 2021 , 31, 2006949	15.6	29
67	Construction of 3D CoO Quantum Dots/Graphene Hydrogels as Binder-Free Electrodes for Ultra-high Rate Energy Storage Applications. <i>Electrochimica Acta</i> , 2017 , 243, 152-161	6.7	28
66	Embedded PdFe@N-carbon nanoframes for oxygen reduction in acidic fuel cells. <i>Carbon</i> , 2020 , 164, 369-374	13.7	28
65	Three-dimensional cobalt oxide microstructures with brush-like morphology via surfactant-dependent assembly. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 20729-37	9.5	28
64	Cr-MIL-101-Encapsulated Keggin Phosphomolybdic Acid as a Catalyst for the One-Pot Synthesis of 2,5-Diformylfuran from Fructose. <i>ChemCatChem</i> , 2017 , 9, 1187-1191	5.2	27
63	Atomically Dispersed CoN ₄ /B, N-C Nanotubes Boost Oxygen Reduction in Rechargeable Zn Air Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 4539-4548	6.1	27
62	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> , 2019 , 7, 26243-26249	13	25
61	Polyethyleneimine-assisted synthesis of high-quality platinum/graphene hybrids: the effect of molecular weight on electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12000-12004	13	24
60	Toward Value-Added Dicarboxylic Acids from Biomass Derivatives via Thermocatalytic Conversion. <i>ACS Catalysis</i> , 2021 , 11, 2524-2560	13.1	24
59	3D Robust Carbon Aerogels Immobilized with Pd ₃ Pb Nanoparticles for Oxygen Reduction Catalysis. <i>ACS Applied Nano Materials</i> , 2018 , 1, 1904-1911	5.6	23
58	Electrochemical Conversion of Biomass Derived Products into High-Value Chemicals. <i>Matter</i> , 2020 , 3, 1162-1177	12.7	23

57	Synthesis of 3D mesoporous samarium oxide hydrangea microspheres for enzyme-free sensor of hydrogen peroxide. <i>Electrochimica Acta</i> , 2016 , 208, 231-237	6.7	23
56	Trimetallic Au@PdPb nanowires for oxygen reduction reaction. <i>Nano Research</i> , 2020 , 13, 2691-2696	10	21
55	Fabrication of a mesoporous Co(OH) ₂ /ITO nanowire composite electrode and its application in supercapacitors. <i>RSC Advances</i> , 2012 , 2, 10512	3.7	21
54	Conductive graphene-based E-textile for highly sensitive, breathable, and water-resistant multimodal gesture-distinguishable sensors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 14778-14787	13	20
53	Reduced graphene oxide with controllably intimate bifunctionality for the catalytic transformation of fructose into 2,5-diformylfuran in biphasic solvent systems. <i>Chemical Engineering Journal</i> , 2020 , 379, 122284	14.7	20
52	Molecular porphyrinic freestanding buckypaper electrodes from carbon nanotubes for glucose fuel cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8927-8932	13	19
51	Value-added products from thermochemical treatments of contaminated e-waste plastics. <i>Chemosphere</i> , 2021 , 269, 129409	8.4	19
50	Bifunctional carbon nanoplatelets as metal-free catalysts for direct conversion of fructose to 2,5-diformylfuran. <i>Catalysis Science and Technology</i> , 2020 , 10, 4179-4183	5.5	18
49	Influence of organic solvent on the separation of an ionic liquid from a lignin-ionic liquid mixture. <i>Bioresource Technology</i> , 2014 , 156, 404-7	11	18
48	Synthesis of Porous Pd Nanostructure and Its Application in Enzyme-Free Sensor of Hydrogen Peroxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1248-1252	8.3	17
47	Linkage Effect in the Heterogenization of Cobalt Complexes by Doped Graphene for Electrocatalytic CO ₂ Reduction. <i>Angewandte Chemie</i> , 2019 , 131, 13666-13673	3.6	17
46	Bimetal/Metal Oxide Encapsulated in Graphitic Nitrogen Doped Mesoporous Carbon Networks for Enhanced Oxygen Electrocatalysis. <i>ChemElectroChem</i> , 2019 , 6, 1485-1491	4.3	16
45	Interstitial boron-triggered electron-deficient Os aerogels for enhanced pH-universal hydrogen evolution.. <i>Nature Communications</i> , 2022 , 13, 1143	17.4	16
44	The influence of cations intercalated in graphene oxide membranes in tuning H ₂ /CO ₂ separation performance. <i>Separation and Purification Technology</i> , 2020 , 246, 116933	8.3	15
43	Effects of solubility properties of solvents and biomass on biomass pretreatment. <i>Bioresource Technology</i> , 2014 , 170, 160-166	11	15
42	Polyaniline-Coated Hollow Fe ₂ O ₃ Nanoellipsoids as an Anode Material for High-Performance Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2015 , 2, 503-507	4.3	15
41	Halide-Ion-Assisted Synthesis of Different Fe O Hollow Structures and Their Lithium-Ion Storage Properties. <i>ChemPlusChem</i> , 2015 , 80, 522-528	2.8	14
40	Hydrothermally driven three-dimensional evolution of mesoporous hierarchical europium oxide hydrangea microspheres for non-enzymatic sensors of hydrogen peroxide detection. <i>Environmental Science: Nano</i> , 2016 , 3, 701-706	7.1	14

39	Surface-Modified Hollow Ternary NiCoP Catalysts for Efficient Electrochemical Water Splitting and Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39798-39808	9.5	13
38	Recent Advances in Electrocatalysts for Alkaline Hydrogen Oxidation Reaction. <i>Small</i> , 2021 , 17, e2100391	11	13
37	Selective catalytic reduction of NO _x in marine engine exhaust gas over supported transition metal oxide catalysts. <i>Chemical Engineering Journal</i> , 2021 , 414, 128794	14.7	11
36	Atomic-thin hexagonal CuCo nanocrystals with d-band tuning for CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7496-7502	13	11
35	A Coconut Leaf Sheath Derived Graphitized N-Doped Carbon Network for High-Performance Supercapacitors. <i>ChemElectroChem</i> , 2018 , 5, 284-291	4.3	11
34	Fabricating 3D Macroscopic Graphene-Based Architectures with Outstanding Flexibility by the Novel Liquid Drop/Colloid Flocculation Approach for Energy Storage Applications. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 21991-22001	9.5	11
33	Small Size Rh Nanoparticles in Micelle Nanostructure by Ionic Liquid/CTAB for Acceptorless Dehydrogenation of Alcohols Only in Pure Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 2056-2060	8.3	10
32	Solvent optimization for bacterial extracellular matrices: a solution for the insoluble. <i>RSC Advances</i> , 2015 , 5, 7469-7478	3.7	10
31	Recent advances in rare-earth-based materials for electrocatalysis. <i>Chem Catalysis</i> , 2022 ,		10
30	Self-assembly synthesis of reduced graphene oxide-supported platinum nanowire composites with enhanced electrocatalytic activity towards the hydrazine oxidation reaction. <i>Catalysis Science and Technology</i> , 2016 , 6, 3143-3148	5.5	9
29	A heterostructure of layered double hydroxide wrapped in few-layer carbon with iridium doping for efficient oxygen evolution. <i>Electrochimica Acta</i> , 2019 , 296, 590-597	6.7	9
28	Effects of electrostatic interaction on the properties of ionic liquids correlated with the change of free volume. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 5389-5395	3.6	8
27	In situ bubble template-assisted synthesis of phosphonate-functionalized Rh nanodendrites and their catalytic application. <i>CrystEngComm</i> , 2017 , 19, 2946-2952	3.3	8
26	Controlled Synthesis of 3D Nanoplate-Assembled La ₂ O ₃ Hierarchical Microspheres for Enzyme-Free Detection of Hydrogen Peroxide. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500833	4.6	8
25	Design and Integration of Molecular-Type Catalysts in Fuel-Cell Technology. <i>Small Methods</i> , 2018 , 2, 1800059	10.59	8
24	Extracellular protein isolation from the matrix of anammox biofilm using ionic liquid extraction. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 3643-3654	5.7	7
23	A Facile Self-Templated Approach for the Synthesis of Pt Hollow Nanospheres with Enhanced Electrocatalytic Activity. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600563	4.6	7
22	Preparation of Mesoporous Dysprosium Oxide for Dynamic Hydrogen Peroxide Detection without Enzymes. <i>ChemElectroChem</i> , 2017 , 4, 96-101	4.3	7

21	Hierarchical Gadolinium Oxide Microspheres for Enzymeless Electro-biosensors in Hydrogen Peroxide Dynamic Detection. <i>ChemElectroChem</i> , 2017 , 4, 272-277	4.3	6
20	Recent progress on transition metal diselenides from formation and modification to applications.. <i>Nanoscale</i> , 2022 ,	7.7	6
19	Ultrathin CuNi Nanosheets for CO ₂ Reduction and O ₂ Reduction Reaction in Fuel Cells 2021 , 3, 1143-1150		6
18	Polymer-assisted formation of 3D Pd nanoassemblies: highly active catalysts for formic acid electrooxidation. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 450-457	5.8	5
17	Estimation of the free energy of hard-sphere crystals via a free-volume approach. <i>Molecular Simulation</i> , 2012 , 38, 16-22	2	5
16	One-Step Electrodeposition of Polyallylamine-Functionalized Gold Nanodendrites and Their Application in Sensing. <i>ChemPlusChem</i> , 2015 , 80, 1148-1152	2.8	4
15	The facile ionic liquid-assisted synthesis of hollow and porous platinum nanotubes with enhanced catalytic performances. <i>RSC Advances</i> , 2016 , 6, 67290-67294	3.7	4
14	A hydrogen/oxygen hybrid biofuel cell comprising an electrocatalytically active nanoflower/laccase-based biocathode. <i>Catalysis Science and Technology</i> , 2020 , 10, 6235-6243	5.5	4
13	Clarifying the in-situ cytotoxic potential of electronic waste plastics. <i>Chemosphere</i> , 2021 , 269, 128719	8.4	4
12	Hydrogenase-Like Electrocatalytic Activation and Inactivation Mechanism by Three-Dimensional Binderless Molecular Catalyst. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3352-3362	6.1	3
11	Distillable Ionic Liquids: Reversible Amide O Alkylation. <i>Angewandte Chemie</i> , 2013 , 125, 13634-13638	3.6	3
10	A Reactive Template Synthesis of Hierarchical Porous Carbon and Its Application to Supercapacitor Electrodes. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 2000168	3.9	3
9	On-line spectroscopic study of brominated flame retardant extraction in supercritical CO ₂ . <i>Chemosphere</i> , 2021 , 263, 128282	8.4	3
8	Self-Supported Fe ^{III} Electrocatalyst via Pyrolysis of EDTAFeNa Adsorbed on SBA-15 for the Oxygen Reduction Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 3016-3023	3.9	2
7	Hollow silica nanostructures with small size Au nanoparticles for catalytic applications. <i>RSC Advances</i> , 2016 , 6, 89057-89060	3.7	1
6	Heterostructure-Induced Light Absorption and Charge-Transfer Optimization of a TiO ₂ Photoanode for Photoelectrochemical Water Splitting. <i>ACS Applied Energy Materials</i> , 2021 , 4, 14440-14446	6.1	1
5	Activated recovery of PVC from contaminated waste extension cord-cable using a weak acid.. <i>Chemosphere</i> , 2022 , 134878	8.4	1
4	Direct reuse of electronic plastic scraps from computer monitor and keyboard to direct stem cell growth and differentiation. <i>Science of the Total Environment</i> , 2021 , 807, 151085	10.2	0

- 3 Machine learning-assisted optimization of TBBPA-bis-(2,3-dibromopropyl ether) extraction process from ABS polymer. *Chemosphere*, **2022**, 287, 132128 8.4 ○
- 2 Catalytic pyrolysis of film waste over Co/Ni pillared montmorillonites towards H₂ production.. *Chemosphere*, **2022**, 134440 8.4 ○
- 1 Electrocatalytic dimeric inactivation mechanism by a porphyrinic molecular-type catalyst: integration in a glucose/O₂ fuel cell. *Catalysis Science and Technology*, **2021**, 11, 1931-1939 5.5