

Chengzhou Zhu

List of Publications by Year in descending order

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240
papers

27,644
citations

4653

85
h-index

6465

157
g-index

243
all docs

243
docs citations

243
times ranked

27036
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducing Sugar: New Functional Molecules for the Green Synthesis of Graphene Nanosheets. ACS Nano, 2010, 4, 2429-2437.	7.3	1,297
2	Electrochemical Sensors and Biosensors Based on Nanomaterials and Nanostructures. Analytical Chemistry, 2015, 87, 230-249.	3.2	1,220
3	Single-Atom Electrocatalysts. Angewandte Chemie - International Edition, 2017, 56, 13944-13960.	7.2	1,040
4	Highly efficient nonprecious metal catalysts towards oxygen reduction reaction based on three-dimensional porous carbon nanostructures. Chemical Society Reviews, 2016, 45, 517-531.	18.7	800
5	Robust noble metal-based electrocatalysts for oxygen evolution reaction. Chemical Society Reviews, 2019, 48, 3181-3192.	18.7	756
6	Bifunctional fluorescent carbon nanodots: green synthesis via soy milk and application as metal-free electrocatalysts for oxygen reduction. Chemical Communications, 2012, 48, 9367.	2.2	630
7	Engineering Ordered and Nonordered Porous Noble Metal Nanostructures: Synthesis, Assembly, and Their Applications in Electrochemistry. Chemical Reviews, 2015, 115, 8896-8943.	23.0	576
8	Hierarchically Porous Mn-N-C (M = Co and Fe) Single-Atom Electrocatalysts with Robust Mn _x Active Moieties Enable Enhanced ORR Performance. Advanced Energy Materials, 2018, 8, 1801956.	10.2	540
9	Easy Synthesis and Imaging Applications of Cross-Linked Green Fluorescent Hollow Carbon Nanoparticles. ACS Nano, 2012, 6, 400-409.	7.3	467
10	When Nanozymes Meet Single-Atom Catalysis. Angewandte Chemie - International Edition, 2020, 59, 2565-2576.	7.2	422
11	PdM (M = Pt, Au) Bimetallic Alloy Nanowires with Enhanced Electrocatalytic Activity for Electrooxidation of Small Molecules. Advanced Materials, 2012, 24, 2326-2331.	11.1	413
12	Bimetallic Cobalt-Based Phosphide Zeolitic Imidazolate Framework: CoP _x Phase-Dependent Electrical Conductivity and Hydrogen Atom Adsorption Energy for Efficient Overall Water Splitting. Advanced Energy Materials, 2017, 7, 1601555.	10.2	340
13	Recent progress in graphene-based nanomaterials as advanced electrocatalysts towards oxygen reduction reaction. Nanoscale, 2013, 5, 1753.	2.8	338
14	Recent advances in electrochemical biosensors based on graphene two-dimensional nanomaterials. Biosensors and Bioelectronics, 2016, 76, 195-212.	5.3	321
15	Self-Assembly of Cationic Polyelectrolyte-Functionalized Graphene Nanosheets and Gold Nanoparticles: A Two-Dimensional Heterostructure for Hydrogen Peroxide Sensing. Langmuir, 2010, 26, 11277-11282.	1.6	306
16	Metal-Organic Framework-Derived Non-Precious Metal Nanocatalysts for Oxygen Reduction Reaction. Advanced Energy Materials, 2017, 7, 1700363.	10.2	297
17	Single-Atom Catalysts for Electrochemical Water Splitting. ACS Energy Letters, 2018, 3, 1713-1721.	8.8	294
18	Graphene oxide/polypyrrole nanocomposites: one-step electrochemical doping, coating and synergistic effect for energy storage. Journal of Materials Chemistry, 2012, 22, 6300.	6.7	293

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19	MnO ₂ Nanosheet-Carbon Dots Sensing Platform for Sensitive Detection of Organophosphorus Pesticides. <i>Analytical Chemistry</i> , 2018, 90, 2618-2624.	3.2	288
20	Single Fe Atom on Hierarchically Porous S, N-Codoped Nanocarbon Derived from Porphyrin Enable Boosted Oxygen Catalysis for Rechargeable Zn-Air Batteries. <i>Small</i> , 2019, 15, e1900307.	5.2	273
21	Drug-Derived Bright and Color-Tunable N-Doped Carbon Dots for Cell Imaging and Sensitive Detection of Fe ³⁺ in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7399-7405.	4.0	267
22	Carbon quantum dots as fluorescence resonance energy transfer sensors for organophosphate pesticides determination. <i>Biosensors and Bioelectronics</i> , 2017, 94, 292-297.	5.3	263
23	Fe-N-C Single-Atom Nanozymes for the Intracellular Hydrogen Peroxide Detection. <i>Analytical Chemistry</i> , 2019, 91, 11994-11999.	3.2	256
24	Self-Assembled Fe-N-Doped Carbon Nanotube Aerogels with Single-Atom Catalyst Feature as High-Efficiency Oxygen Reduction Electrocatalysts. <i>Small</i> , 2017, 13, 1603407.	5.2	254
25	Recent Advances in Electrochemical Immunosensors. <i>Analytical Chemistry</i> , 2017, 89, 138-156.	3.2	254
26	Glucose Oxidase-Integrated Metal-Organic Framework Hybrids as Biomimetic Cascade Nanozymes for Ultrasensitive Glucose Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22096-22101.	4.0	249
27	Self-supporting activated carbon/carbon nanotube/reduced graphene oxide flexible electrode for high performance supercapacitor. <i>Carbon</i> , 2018, 129, 236-244.	5.4	244
28	Graphene-like two-dimensional layered nanomaterials: applications in biosensors and nanomedicine. <i>Nanoscale</i> , 2015, 7, 14217-14231.	2.8	227
29	Graphene-like 2D nanomaterial-based biointerfaces for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2017, 89, 43-55.	5.3	221
30	Red carbon dots: Optical property regulations and applications. <i>Materials Today</i> , 2019, 30, 52-79.	8.3	221
31	Graphene Quantum Dot-MnO ₂ Nanosheet Based Optical Sensing Platform: A Sensitive Fluorescence Turn Off-On-Nanosensor for Glutathione Detection and Intracellular Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21990-21996.	4.0	220
32	Densely Isolated FeN ₄ Sites for Peroxidase Mimicking. <i>ACS Catalysis</i> , 2020, 10, 6422-6429.	5.5	216
33	Efficient Synthesis of M ₂ Cu (M = Pd, Pt, and Au) Aerogels with Accelerated Gelation Kinetics and their High Electrocatalytic Activity. <i>Advanced Materials</i> , 2016, 28, 8779-8783.	11.1	213
34	Oxidase-Like Fe-N-C Single-Atom Nanozymes for the Detection of Acetylcholinesterase Activity. <i>Small</i> , 2019, 15, e1903108.	5.2	207
35	Boron-doped Fe-N-C single-atom nanozymes specifically boost peroxidase-like activity. <i>Nano Today</i> , 2020, 35, 100971.	6.2	199
36	Nickel cobalt oxide hollow nanosponges as advanced electrocatalysts for the oxygen evolution reaction. <i>Chemical Communications</i> , 2015, 51, 7851-7854.	2.2	195

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37	Oxidase-mimicking activity of ultrathin MnO ₂ nanosheets in colorimetric assay of acetylcholinesterase activity. <i>Nanoscale</i> , 2017, 9, 2317-2323.	2.8	194
38	Facile solvothermal synthesis of cube-like Ag@AgCl: a highly efficient visible light photocatalyst. <i>Nanoscale</i> , 2011, 3, 2931.	2.8	191
39	Robust and Stable Acidic Overall Water Splitting on Ir Single Atoms. <i>Nano Letters</i> , 2020, 20, 2120-2128.	4.5	190
40	Cascade Reaction System Integrating Single-Atom Nanozymes with Abundant Cu Sites for Enhanced Biosensing. <i>Analytical Chemistry</i> , 2020, 92, 3373-3379.	3.2	185
41	One-pot, water-phase approach to high-quality graphene/TiO ₂ composite nanosheets. <i>Chemical Communications</i> , 2010, 46, 7148.	2.2	183
42	One-step, solvothermal synthesis of graphene-CdS and graphene-ZnS quantum dot nanocomposites and their interesting photovoltaic properties. <i>Nano Research</i> , 2010, 3, 794-799.	5.8	177
43	Interface engineering for enhancing electrocatalytic oxygen evolution of NiFe LDH/NiTe heterostructures. <i>Applied Catalysis B: Environmental</i> , 2020, 273, 119014.	10.8	177
44	Facile One-Step Synthesis of Three-Dimensional Pd-Ag Bimetallic Alloy Networks and Their Electrocatalytic Activity toward Ethanol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13842-13848.	4.0	176
45	Facilely Tuning Porous NiCo ₂ O ₄ Nanosheets with Metal Valence State Alteration and Abundant Oxygen Vacancies as Robust Electrocatalysts Towards Water Splitting. <i>Chemistry - A European Journal</i> , 2016, 22, 4000-4007.	1.7	172
46	Cobalt and nitrogen-cofunctionalized graphene as a durable non-precious metal catalyst with enhanced ORR activity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3593.	5.2	169
47	Single-Atom Iron Boosts Electrochemiluminescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3534-3538.	7.2	167
48	Gold Aerogels: Three-Dimensional Assembly of Nanoparticles and Their Use as Electrocatalytic Interfaces. <i>ACS Nano</i> , 2016, 10, 2559-2567.	7.3	165
49	Layer-by-Layer Self-Assembly for Constructing a Graphene/Platinum Nanoparticle Three-Dimensional Hybrid Nanostructure Using Ionic Liquid as a Linker. <i>Langmuir</i> , 2010, 26, 7614-7618.	1.6	159
50	Metal-organic frameworks-based catalysts for electrochemical oxygen evolution. <i>Materials Horizons</i> , 2019, 6, 684-702.	6.4	149
51	Graphene and graphene-like 2D materials for optical biosensing and bioimaging: a review. <i>2D Materials</i> , 2015, 2, 032004.	2.0	148
52	Recent advances in emerging 2D nanomaterials for biosensing and bioimaging applications. <i>Materials Today</i> , 2018, 21, 164-177.	8.3	145
53	Single-atom catalysts boost signal amplification for biosensing. <i>Chemical Society Reviews</i> , 2021, 50, 750-765.	18.7	142
54	Graphene-Based Aptamer Logic Gates and Their Application to Multiplex Detection. <i>ACS Nano</i> , 2012, 6, 6659-6666.	7.3	139

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55	Highly Ordered Mesoporous Bimetallic Phosphides as Efficient Oxygen Evolution Electrocatalysts. ACS Energy Letters, 2016, 1, 792-796.	8.8	139
56	Kinetically Controlled Synthesis of PdNi Bimetallic Porous Nanostructures with Enhanced Electrocatalytic Activity. Small, 2015, 11, 1430-1434.	5.2	133
57	Nanozyme-involved biomimetic cascade catalysis for biomedical applications. Materials Today, 2021, 44, 211-228.	8.3	131
58	Nanovoid Incorporated Ir _x Cu Metallic Aerogels for Oxygen Evolution Reaction Catalysis. ACS Energy Letters, 2018, 3, 2038-2044.	8.8	129
59	Bioinspired Synthesis of All-Organic-Inorganic Hybrid Nanoflowers Combined with a Handheld pH Meter for On-Site Detection of Food Pathogen. Small, 2016, 12, 3094-3100.	5.2	127
60	3D graphene-based hybrid materials: synthesis and applications in energy storage and conversion. Nanoscale, 2016, 8, 15414-15447.	2.8	127
61	Colorimetric and chemiluminescent dual-readout immunochromatographic assay for detection of pesticide residues utilizing g-C ₃ N ₄ /BiFeO ₃ nanocomposites. Biosensors and Bioelectronics, 2018, 106, 43-49.	5.3	124
62	In situ loading of well-dispersed gold nanoparticles on two-dimensional graphene oxide/SiO ₂ composite nanosheets and their catalytic properties. Nanoscale, 2012, 4, 1641.	2.8	121
63	Highly-defective Fe-N-C catalysts towards pH-Universal oxygen reduction reaction. Applied Catalysis B: Environmental, 2020, 263, 118347.	10.8	121
64	Enhanced sensitivity of a direct SERS technique for Hg ²⁺ detection based on the investigation of the interaction between silver nanoparticles and mercury ions. Nanoscale, 2012, 4, 5902.	2.8	120
65	Ultrafine and highly disordered Ni ₂ Fe ₁ nanofoams enabled highly efficient oxygen evolution reaction in alkaline electrolyte. Nano Energy, 2018, 44, 319-326.	8.2	118
66	Porous Carbon-Hosted Atomically Dispersed Iron-Nitrogen Moiety as Enhanced Electrocatalysts for Oxygen Reduction Reaction in a Wide Range of pH. Small, 2018, 14, e1703118.	5.2	117
67	When Nanozymes Meet Single-Atom Catalysis. Angewandte Chemie, 2020, 132, 2585-2596.	1.6	117
68	One-step electrochemical approach to the synthesis of Graphene/MnO ₂ nanowall hybrids. Nano Research, 2011, 4, 648-657.	5.8	115
69	Label-free, regenerative and sensitive surface plasmon resonance and electrochemical aptasensors based on graphene. Chemical Communications, 2011, 47, 7794.	2.2	114
70	A Nanozyme- and Ambient Light-Based Smartphone Platform for Simultaneous Detection of Dual Biomarkers from Exposure to Organophosphorus Pesticides. Analytical Chemistry, 2018, 90, 7391-7398.	3.2	114
71	Secondary-Atom-Doping Enables Robust Fe-N-C Single-Atom Catalysts with Enhanced Oxygen Reduction Reaction. Nano-Micro Letters, 2020, 12, 163.	14.4	114
72	Modulating interfacial electronic structure of CoNi LDH nanosheets with Ti ₃ C ₂ T MXene for enhancing water oxidation catalysis. Chemical Engineering Journal, 2020, 398, 125605.	6.6	113

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73	Hierarchically Porous S/N Codoped Carbon Nanozymes with Enhanced Peroxidase-like Activity for Total Antioxidant Capacity Biosensing. <i>Analytical Chemistry</i> , 2020, 92, 13518-13524.	3.2	112
74	Metal-Organic Frameworks Enhance Biomimetic Cascade Catalysis for Biosensing. <i>Advanced Materials</i> , 2021, 33, e2005172.	11.1	109
75	Graphene Enhanced Electron Transfer at Aptamer Modified Electrode and Its Application in Biosensing. <i>Analytical Chemistry</i> , 2012, 84, 7301-7307.	3.2	106
76	Recent advances in spectroelectrochemistry. <i>Nanoscale</i> , 2018, 10, 3089-3111.	2.8	106
77	One-pot synthesis of B-doped three-dimensional reduced graphene oxide via supercritical fluid for oxygen reduction reaction. <i>Green Chemistry</i> , 2015, 17, 3552-3560.	4.6	105
78	Single-atom platinum nanocatalyst-improved catalytic efficiency with enzyme-DNA supermolecular architectures. <i>Nano Energy</i> , 2020, 74, 104931.	8.2	103
79	Polydopamine-Capped Bimetallic AuPt Hydrogels Enable Robust Biosensor for Organophosphorus Pesticide Detection. <i>Small</i> , 2019, 15, e1900632.	5.2	102
80	Rapid, General Synthesis of PdPt Bimetallic Alloy Nanosponges and Their Enhanced Catalytic Performance for Ethanol/Methanol Electrooxidation in an Alkaline Medium. <i>Chemistry - A European Journal</i> , 2013, 19, 1104-1111.	1.7	100
81	Einzelatom-Elektrokatalysatoren. <i>Angewandte Chemie</i> , 2017, 129, 14132-14148.	1.6	99
82	Dual-Readout Immunochromatographic Assay by Utilizing MnO ₂ Nanoflowers as the Unique Colorimetric/Chemiluminescent Probe. <i>Analytical Chemistry</i> , 2018, 90, 5147-5152.	3.2	97
83	PdBi Single-Atom Alloy Aerogels for Efficient Ethanol Oxidation. <i>Advanced Functional Materials</i> , 2021, 31, 2103465.	7.8	97
84	Multifunctional water-soluble luminescent carbon dots for imaging and Hg ²⁺ sensing. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6995-6999.	2.9	96
85	Defect engineering in nanozymes. <i>Materials Today</i> , 2022, 52, 327-347.	8.3	91
86	An ultrasensitive fluorescent aptasensor for adenosine detection based on exonuclease III assisted signal amplification. <i>Biosensors and Bioelectronics</i> , 2012, 34, 83-87.	5.3	88
87	Single-Atom-Based Heterojunction Coupling with Ion-Exchange Reaction for Sensitive Photoelectrochemical Immunoassay. <i>Nano Letters</i> , 2021, 21, 1879-1887.	4.5	86
88	A dopamine-induced Au hydrogel nanozyme for enhanced biomimetic catalysis. <i>Chemical Communications</i> , 2019, 55, 9865-9868.	2.2	85
89	Au@Pt nanodendrites enhanced multimodal enzyme-linked immunosorbent assay. <i>Nanoscale</i> , 2019, 11, 8798-8802.	2.8	82
90	MXene-induced electronic optimization of metal-organic framework-derived CoFe LDH nanosheet arrays for efficient oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120599.	10.8	82

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91	Recent Advances on Dual-Band Electrochromic Materials and Devices. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	81
92	Smart Drug Delivery System-Inspired Enzyme-Linked Immunosorbent Assay Based on Fluorescence Resonance Energy Transfer and Allochroic Effect Induced Dual-Modal Colorimetric and Fluorescent Detection. <i>Analytical Chemistry</i> , 2018, 90, 1976-1982.	3.2	79
93	Engineering highly active oxygen sites in perovskite oxides for stable and efficient oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117817.	10.8	79
94	Ultrasonic-assisted synthesis of Pd-Pt/carbon nanotubes nanocomposites for enhanced electro-oxidation of ethanol and methanol in alkaline medium. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 192-198.	3.8	78
95	Intermetallic Pd ₃ Pb nanowire networks boost ethanol oxidation and oxygen reduction reactions with significantly improved methanol tolerance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23952-23959.	5.2	78
96	Tuning Atomically Dispersed Fe Sites in Metal-Organic Frameworks Boosts Peroxidase-Like Activity for Sensitive Biosensing. <i>Nano-Micro Letters</i> , 2020, 12, 184.	14.4	77
97	Fluorescent silicon nanoparticles-based ratiometric fluorescence immunoassay for sensitive detection of ethyl carbamate in red wine. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2742-2749.	4.0	75
98	Facile synthesis of two-dimensional graphene/SnO ₂ /Pt ternary hybrid nanomaterials and their catalytic properties. <i>Nanoscale</i> , 2011, 3, 4376.	2.8	73
99	Facile synthesis of trimetallic AuPtPd alloy nanowires and their catalysis for ethanol electrooxidation. <i>Journal of Materials Chemistry</i> , 2012, 22, 14851.	6.7	73
100	Optimization of cobalt/nitrogen embedded carbon nanotubes as an efficient bifunctional oxygen electrode for rechargeable zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4864-4870.	5.2	72
101	One-pot bioinspired synthesis of all-inclusive protein-protein nanoflowers for point-of-care bioassay: detection of E. coli O157:H7 from milk. <i>Nanoscale</i> , 2016, 8, 18980-18986.	2.8	71
102	Pt-Ni(OH) ₂ nanosheets amplified two-way lateral flow immunoassays with smartphone readout for quantification of pesticides. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111498.	5.3	70
103	Three-dimensional interconnected core-shell networks with Ni(Fe)OOH and Mn-C active species together as high-efficiency oxygen catalysts for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19045-19059.	5.2	70
104	Nanozyme-Activated Synergistic Amplification for Ultrasensitive Photoelectrochemical Immunoassay. <i>Analytical Chemistry</i> , 2021, 93, 6881-6888.	3.2	69
105	PdCuPt Nanocrystals with Multibranches for Enzyme-Free Glucose Detection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22196-22200.	4.0	68
106	Mitochondrial-targeted multifunctional mesoporous Au@Pt nanoparticles for dual-mode photodynamic and photothermal therapy of cancers. <i>Nanoscale</i> , 2017, 9, 15813-15824.	2.8	67
107	Low Pt-content ternary PdCuPt nanodendrites: an efficient electrocatalyst for oxygen reduction reaction. <i>Nanoscale</i> , 2017, 9, 1279-1284.	2.8	66
108	Sugar Blowing-Induced Porous Cobalt Phosphide/Nitrogen-Doped Carbon Nanostructures with Enhanced Electrochemical Oxidation Performance toward Water and Other Small Molecules. <i>Small</i> , 2017, 13, 1700796.	5.2	65

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109	A review of optical probes based on nanomaterials for the detection of hydrogen sulfide in biosystems. <i>Analytica Chimica Acta</i> , 2019, 1061, 1-12.	2.6	65
110	Fe ₃ C-Assisted Single Atomic Fe Sites for Sensitive Electrochemical Biosensing. <i>Analytical Chemistry</i> , 2021, 93, 5334-5342.	3.2	65
111	Synergistically enhanced single-atomic site Fe by Fe ₃ C@C for boosted oxygen reduction in neutral electrolyte. <i>Nano Energy</i> , 2021, 84, 105840.	8.2	65
112	Aqueous-phase synthesis of Ag-TiO ₂ -reduced graphene oxide and Pt-TiO ₂ -reduced graphene oxide hybrid nanostructures and their catalytic properties. <i>Nano Research</i> , 2011, 4, 1153-1162.	5.8	63
113	Ultrasonic-assisted synthesis of carbon nanotube supported bimetallic Pt@Ru nanoparticles for effective methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8459-8465.	5.2	63
114	Three-dimensional PtNi hollow nanochains as an enhanced electrocatalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8755-8761.	5.2	63
115	Multifunctional SnO ₂ /3D graphene hybrid materials for sodium-ion and lithium-ion batteries with excellent rate capability and long cycle life. <i>Nano Research</i> , 2017, 10, 4398-4414.	5.8	63
116	Iron Single-Atom Catalysts Boost Photoelectrochemical Detection by Integrating Interfacial Oxygen Reduction and Enzyme-Mimicking Activity. <i>ACS Nano</i> , 2022, 16, 2997-3007.	7.3	63
117	One-pot synthesis of functional two-dimensional graphene/SnO ₂ composite nanosheets as a building block for self-assembly and an enhancing nanomaterial for biosensing. <i>Journal of Materials Chemistry</i> , 2011, 21, 16911.	6.7	62
118	Unsymmetrically coordinated single Fe-N ₃ S ₁ sites mimic the function of peroxidase. <i>Nano Today</i> , 2021, 40, 101261.	6.2	61
119	A Facile Method for Synthesizing Dendritic Core-Shell Structured Ternary Metallic Aerogels and Their Enhanced Electrochemical Performances. <i>Chemistry of Materials</i> , 2016, 28, 7928-7934.	3.2	60
120	Recent advances in co-reaction accelerators for sensitive electrochemiluminescence analysis. <i>Chemical Communications</i> , 2020, 56, 10989-10999.	2.2	60
121	Recent advances in synergistically enhanced single-atomic site catalysts for boosted oxygen reduction reaction. <i>Nano Energy</i> , 2021, 84, 105817.	8.2	59
122	Synthesis of graphene-supported noble metal hybrid nanostructures and their applications as advanced electrocatalysts for fuel cells. <i>Nanoscale</i> , 2013, 5, 10765.	2.8	57
123	Mesoporous Pt Nanotubes as a Novel Sensing Platform for Sensitive Detection of Intracellular Hydrogen Peroxide. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24288-24295.	4.0	57
124	Enhanced Electrocatalytic Activities of PtCuCoNi Three-Dimensional Nanoporous Quaternary Alloys for Oxygen Reduction and Methanol Oxidation Reactions. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6110-6116.	4.0	57
125	Efficient Z-Scheme heterostructure based on TiO ₂ /Ti ₃ C ₂ T/Cu ₂ O to boost photoelectrochemical response for ultrasensitive biosensing. <i>Sensors and Actuators B: Chemical</i> , 2020, 312, 127951.	4.0	56
126	Highly branched PtCu bimetallic alloy nanodendrites with superior electrocatalytic activities for oxygen reduction reactions. <i>Nanoscale</i> , 2016, 8, 5076-5081.	2.8	55

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127	Fe@N-C Single-Atom Catalyst Coupling with Pt Clusters Boosts Peroxidase-like Activity for Cascade-Amplified Colorimetric Immunoassay. <i>Analytical Chemistry</i> , 2021, 93, 12353-12359.	3.2	55
128	Axial Ligand-Engineered Single-Atom Catalysts with Boosted Enzyme-Like Activity for Sensitive Immunoassay. <i>Analytical Chemistry</i> , 2021, 93, 12758-12766.	3.2	55
129	One-Pot Fabrication of Mesoporous Core@Shell Au@PtNi Ternary Metallic Nanoparticles and Their Enhanced Efficiency for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4739-4744.	4.0	54
130	Highly photoluminescent carbon dots derived from linseed and their applications in cellular imaging and sensing. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3181-3187.	2.9	54
131	Ultrathin dendritic IrTe nanotubes for an efficient oxygen evolution reaction in a wide pH range. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8855-8859.	5.2	54
132	Graphene-like Metal-Free 2D Nanosheets for Cancer Imaging and Theranostics. <i>Trends in Biotechnology</i> , 2018, 36, 1145-1156.	4.9	54
133	Ultrafine Pd ensembles anchored-Au ₂ Cu aerogels boost ethanol electrooxidation. <i>Nano Energy</i> , 2018, 53, 206-212.	8.2	54
134	Energetic carbon-based hybrids: green and facile synthesis from soy milk and extraordinary electrocatalytic activity towards ORR. <i>Nanoscale</i> , 2014, 6, 2964.	2.8	53
135	Kinetically Controlled Synthesis of Pt-Based One-Dimensional Hierarchically Porous Nanostructures with Large Mesopores as Highly Efficient ORR Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35213-35218.	4.0	53
136	Noble Metal Aerogels. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52234-52250.	4.0	53
137	Hybrid gold nanocube@silica@graphene-quantum-dot superstructures: synthesis and specific cell surface protein imaging applications. <i>Chemical Communications</i> , 2013, 49, 2503.	2.2	52
138	Nitrogen and Fluorine-Codoped Carbon Nanowire Aerogels as Metal-Free Electrocatalysts for Oxygen Reduction Reaction. <i>Chemistry - A European Journal</i> , 2017, 23, 10460-10464.	1.7	52
139	Versatile Barometer Biosensor Based on Au@Pt Core/Shell Nanoparticle Probe. <i>ACS Sensors</i> , 2017, 2, 789-795.	4.0	52
140	SWCNTs@GQDs composites as nanocarriers for enzyme-free dual-signal amplification electrochemical immunoassay of cancer biomarker. <i>Analytica Chimica Acta</i> , 2018, 1042, 44-51.	2.6	52
141	Single-atom catalysts boost nitrogen electroreduction reaction. <i>Materials Today</i> , 2020, 38, 99-113.	8.3	52
142	Efficient BiVO ₄ photoanode decorated with Ti ₃ C ₂ T MXene for enhanced photoelectrochemical sensing of Hg(II) ion. <i>Analytica Chimica Acta</i> , 2020, 1119, 11-17.	2.6	52
143	Neutral Zn-Air Battery Assembled with Single-Atom Iridium Catalysts for Sensitive Self-Powered Sensing System. <i>Advanced Functional Materials</i> , 2021, 31, 2101193.	7.8	52
144	Integrating <i>in situ</i> formation of nanozymes with three-dimensional dendritic mesoporous silica nanospheres for hypoxia-overcoming photodynamic therapy. <i>Nanoscale</i> , 2018, 10, 22937-22945.	2.8	51

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145	One-step synthesis of cobalt and nitrogen co-doped carbon nanotubes and their catalytic activity for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12718-12722.	5.2	50
146	Metal-organic framework derived hierarchically porous nitrogen-doped carbon nanostructures as novel electrocatalyst for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2015, 178, 287-293.	2.6	50
147	Graphene loaded bimetallic Au@Pt nanodendrites enhancing ultrasensitive electrochemical immunoassay of AFP. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 513-519.	4.0	50
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