

Ai-Jun Wang

List of Publications by Year in descending order

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356
papers

17,364
citations

11651

70
h-index

36028

97
g-index

358
all docs

358
docs citations

358
times ranked

14453
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron, rhodium-codoped Ni ₂ P nanosheets arrays supported on nickel foam as an efficient bifunctional electrocatalyst for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 888-896.	9.4	122
2	A facile one-pot room-temperature growth of self-supported ultrathin rhodium-iridium nanosheets as high-efficiency electrocatalysts for hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1707-1714.	9.4	95
3	FeCo/FeCoP encapsulated in N, Mn-codoped three-dimensional fluffy porous carbon nanostructures as highly efficient bifunctional electrocatalyst with multi-components synergistic catalysis for ultra-stable rechargeable Zn-air batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 451-462.	9.4	127
4	In situ produced Co ₉ S ₈ nanoclusters/Co/Mn-S, N multi-doped 3D porous carbon derived from eriochrome black T as an effective bifunctional oxygen electrocatalyst for rechargeable Zn-air batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2100-2110.	9.4	108
5	Coordination regulated pyrolysis synthesis of ultrafine FeNi/(FeNi) ₉ S ₈ nanoclusters/nitrogen, sulfur-codoped graphitic carbon nanosheets as efficient bifunctional oxygen electrocatalysts. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 573-582.	9.4	87
6	Aminouracil-assisted synthesis of CoFe decorated bougainvillea-like N-doped carbon nanoflowers for boosting Zn-air battery and water electrolysis. <i>Journal of Power Sources</i> , 2022, 521, 230926.	7.8	59
7	In-situ construction of 3D hetero-structured sulfur-doped nanoflower-like FeNi LDH decorated with NiCo Prussian blue analogue cubes as efficient electrocatalysts for boosting oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 205-214.	9.4	57
8	A signal-off photoelectrochemical aptasensor for ultrasensitive 17 β -estradiol detection based on rose-like CdS@C nanostructure and enzymatic amplification. <i>Mikrochimica Acta</i> , 2022, 189, 56.	5.0	14
9	Novel sandwich-typed electrochemical immunosensing of C-reactive protein using multiply twinned AuPtRh nanobead chains and nitrogen-rich porous carbon nanospheres decorated with Au nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2022, 358, 131518.	7.8	25
10	Ultrasensitive photoelectrochemical aptasensor for detecting telomerase activity based on Ag ₂ S/Ag decorated ZnIn ₂ S ₄ /C ₃ N ₄ 3D/2D Z-scheme heterostructures and amplified by Au/Cu ²⁺ -boron-nitride nanozyme. <i>Biosensors and Bioelectronics</i> , 2022, 203, 114048.	10.1	57
11	Three-dimensional self-supporting superstructured double-sided nanoneedles arrays of iron carbide nanoclusters embedded in manganese, nitrogen co-doped carbon for highly efficient oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 614, 655-665.	9.4	17
12	Au(III)-induced extracellular electron transfer by Burkholderia contaminans ZCC for the bio-recovery of gold nanoparticles. <i>Environmental Research</i> , 2022, 210, 112910.	7.5	6
13	Sandwich-like superstructure of in-situ self-assembled hetero-structured carbon nanocomposite for improving electrocatalytic oxygen reduction. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 34-43.	9.4	6
14	Heterostructured CoP-CoMoP nanocages as advanced electrocatalysts for efficient hydrogen evolution over a wide pH range. <i>Journal of Colloid and Interface Science</i> , 2022, 615, 465-474.	9.4	28
15	Electronic Regulation of ZnCo Dual-Atomic Active Sites Entrapped in 1D@2D Hierarchical N-Doped Carbon for Efficient Synergistic Catalysis of Oxygen Reduction in Zn-Air Battery. <i>Small</i> , 2022, 18, e2107141.	10.0	36
16	Label-free electrochemical biosensor for determination of procalcitonin based on graphene-wrapped Co nanoparticles encapsulated in carbon nanobrushes coupled with AuPtCu nanodendrites. <i>Mikrochimica Acta</i> , 2022, 189, 110.	5.0	22
17	Novel Aggregation-Enhanced PEC Photosensitizer Based on Electrostatic Linkage of Ionic Liquid with Protoporphyrin IX for Ultrasensitive Detection of Molt-4 Cells. <i>Analytical Chemistry</i> , 2022, 94, 3708-3717.	6.5	23
18	Water-regulated and bioinspired one-step pyrolysis of iron-cobalt nanoparticles-capped carbon nanotubes/porous honeycombed nitrogen-doped carbon composite for highly efficient oxygen reduction. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 352-361.	9.4	10

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19	Heterometallic nanomaterials: activity modulation, sensing, imaging and therapy. <i>Chemical Science</i> , 2022, 13, 5505-5530.	7.4	26
20	Well entrapped platinum-iron nanoparticles on three-dimensional nitrogen-doped ordered mesoporous carbon as highly efficient and durable catalyst for oxygen reduction and zinc-air battery. <i>Journal of Colloid and Interface Science</i> , 2022, 621, 275-284.	9.4	16
21	A sandwich-type electrochemical immunosensor for CYFRA 21â€“1 based on probe-confined in PtPd/polydopamine/hollow carbon spheres coupled with dendritic Au@Rh nanocrystals. <i>Mikrochimica Acta</i> , 2022, 189, .	5.0	8
22	Cobalt phosphide nanoparticles encapsulated in manganese, nitrogen co-doped porous carbon nanosheets with rich nanoholes for high-efficiency oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 627, 630-639.	9.4	11
23	Heterostructured BiVO ₄ /CoPi nanoarrays as high-efficiency photoanode and AuPt nanodendrites as nanozyme for sensitive sensing of miRNA 141. <i>Biosensors and Bioelectronics</i> , 2022, 215, 114552.	10.1	16
24	Theophylline-regulated pyrolysis synthesis of nitrogen-doped carbon nanotubes with iron-cobalt nanoparticles for greatly boosting oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 653-661.	9.4	96
25	Amorphous 3D pomegranate-like NiCoFe nanoassemblies derived by bi-component cyanogel reduction for outstanding oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2021, 53, 260-267.	12.9	52
26	Facile synthesis of nanoflower-like phosphorus-doped Ni ₃ S ₂ /CoFe ₂ O ₄ arrays on nickel foam as a superior electrocatalyst for efficient oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 774-782.	9.4	99
27	Hydrogel derived FeCo/FeCoP embedded in N, P-codoped 3D porous carbon framework as a highly efficient electrocatalyst for oxygen reduction reaction. <i>Applied Surface Science</i> , 2021, 536, 147950.	6.1	70
28	Simple fabrication of bimetallic platinum-rhodium alloyed nano-multipods: A highly effective and recyclable catalyst for reduction of 4-nitrophenol and rhodamine B. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 701-710.	9.4	87
29	Ultrasensitive ratiometric electrochemical immunoassay of N-terminal pro-B-type natriuretic peptide based on three-dimensional PtCoNi hollow multi-branches/ferrocene-grafted-ionic liquid and Co N C nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128794.	7.8	35
30	Walnut kernel-like iron-cobalt-nickel sulfide nanosheets directly grown on nickel foam: A binder-free electrocatalyst for high-efficiency oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 141-149.	9.4	30
31	The electrochemiluminescence coreactant accelerator of metalâ€“organic frameworks grafted with N-(aminobutyl)-N-(ethylisoluminol) for the ultrasensitive detection of chloramphenicol. <i>Analyst</i> , 2021, 146, 5995-6004.	3.5	6
32	One-step synthesis of carbon-encapsulated nickel phosphide nanoparticles with efficient bifunctional catalysis on oxygen evolution and reduction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 8519-8530.	7.1	21
33	New advances in accurate monitoring of breast cancer biomarkers by electrochemistry, electrochemiluminescence, and photoelectrochemistry. <i>Journal of Electroanalytical Chemistry</i> , 2021, 882, 115010.	3.8	13
34	A facile ratiometric electrochemical strategy for ultrasensitive monitoring HER2 using polydopamine-grafted-ferrocene/reduced graphene oxide, Au@Ag nanoshuttles and hollow Ni@PtNi yolk-shell nanocages. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129460.	7.8	56
35	Eco-friendly one-pot aqueous synthesis of ultra-thin AuPdCu alloyed nanowire-like networks for highly sensitive immunoassay of creatine kinase-MB. <i>Sensors and Actuators B: Chemical</i> , 2021, 333, 129573.	7.8	19
36	Iron, manganese co-doped Ni ₃ S ₂ nanoflowers in situ assembled by ultrathin nanosheets as a robust electrocatalyst for oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 248-256.	9.4	94

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37	Straw-like phosphorus-doped Co ₂ MnO ₄ nanoneedle arrays supported on nickel foam for high-efficiency hydrogen evolution reaction in wide pH range of electrolytes. <i>Applied Surface Science</i> , 2021, 548, 149280.	6.1	31
38	Transitional metal alloyed nanoparticles entrapped into the highly porous N-doped 3D honeycombed carbon: A high-efficiency bifunctional oxygen electrocatalyst for boosting rechargeable Zn-air batteries. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 19385-19396.	7.1	23
39	Mn, N, P-tridoped bamboo-like carbon nanotubes decorated with ultrafine Co ₂ P/FeCo nanoparticles as bifunctional oxygen electrocatalyst for long-term rechargeable Zn-air battery. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 330-340.	9.4	112
40	Cyanogel and its derived-materials: properties, preparation methods, and electrochemical applications. <i>Materials Today Energy</i> , 2021, 20, 100701.	4.7	7
41	One-step pyrolysis synthesis of nitrogen, manganese-codoped porous carbon encapsulated cobalt-iron nanoparticles with superior catalytic activity for oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 405-415.	9.4	29
42	Effective construction of 3D Rh/Rh ₂ P flake-like assembled heterostructures for efficient hydrogen evolution. <i>Journal of Alloys and Compounds</i> , 2021, 865, 158864.	5.5	20
43	A signal-on photoelectrochemical aptasensor for chloramphenicol assay based on 3D self-supporting AgI/Ag/BiOI Z-scheme heterojunction arrays. <i>Biosensors and Bioelectronics</i> , 2021, 181, 113158.	10.1	118
44	Facile construction of ratiometric electrochemical immunosensor using hierarchical PtCoIr nanowires and porous SiO ₂ @Ag nanoparticles for accurate detection of septicemia biomarker. <i>Bioelectrochemistry</i> , 2021, 140, 107802.	4.6	27
45	A label-free electrochemical immunosensor based on encapsulated signal molecules in mesoporous silica-coated gold nanorods for ultrasensitive assay of procalcitonin. <i>Bioelectrochemistry</i> , 2021, 140, 107753.	4.6	20
46	A label-free electrochemical immunosensor based on signal magnification of oxygen reduction reaction catalyzed by uniform PtCo nanodendrites for highly sensitive detection of carbohydrate antigen 15-3. <i>Analytica Chimica Acta</i> , 2021, 1176, 338750.	5.4	25
47	CoNi/MoC nanoparticles entrapped into N, P-codoped carbon nanotubes-on-nanosheets: A synergy of 1D@2D heterostructures with multiple active sites for rechargeable Zn-air battery. <i>Journal of Power Sources</i> , 2021, 506, 230225.	7.8	17
48	Label-free electrochemical immunosensor for ultrasensitive determination of cardiac troponin I based on porous fluffy-like AuPtPd trimetallic alloyed nanodendrites. <i>Microchemical Journal</i> , 2021, 169, 106568.	4.5	20
49	High-performance electrochemiluminescence emitter of metal organic framework linked with porphyrin and its application for ultrasensitive detection of biomarker mucin-1. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130300.	7.8	24
50	The enhanced photoelectrochemical platform constructed by N-doped ZnO nanopolyhedrons and porphyrin for ultrasensitive detection of brain natriuretic peptide. <i>Analytica Chimica Acta</i> , 2021, 1183, 338870.	5.4	14
51	Highly active Fe centered FeM-N-doped carbon (M=Co/Ni/Mn): A general strategy for efficient oxygen conversion in Zn-air battery. <i>Chemical Engineering Journal</i> , 2021, 424, 130559.	12.7	55
52	Nanosheets-assembled hollow CdIn ₂ S ₄ microspheres-based photoelectrochemical and fluorescent dual-mode aptasensor for highly sensitive assay of 17 β -estradiol based on magnetic separation and enzyme catalytic amplification. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130553.	7.8	29
53	AuPt nanocrystals/polydopamine supported on open-pored hollow carbon nanospheres for a dual-signaling electrochemical ratiometric immunosensor towards h-FABP detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130501.	7.8	42
54	Cobalt nanoparticles/ nitrogen, sulfur-codoped ultrathin carbon nanotubes derived from metal organic frameworks as high-efficiency electrocatalyst for robust rechargeable zinc-air battery. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 559-571.	9.4	22

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55	CoFe alloy embedded in N-doped carbon nanotubes derived from triamterene as a highly efficient and durable electrocatalyst beyond commercial Pt/C for oxygen reduction. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 856-865.	9.4	25
56	Covalent organic framework-LZU1@PEI@Fe ₃ O ₄ -based magnetic dispersive micro-solid phase extraction of tetracyclines from environmental water prior to HPLC analysis. <i>Analytical Methods</i> , 2021, 13, 4320-4327.	2.7	6
57	Determination of sulfonamides in milk and egg samples by HPLC with mesoporous polymelamine-formaldehyde as magnetic solid-phase extraction adsorbent. <i>Journal of Separation Science</i> , 2021, 44, 4402-4411.	2.5	9
58	A novel label-free photoelectrochemical aptasensor for the sensitive detection of ampicillin based on carbon-coated Bi ₂ S ₃ nanorods. <i>New Journal of Chemistry</i> , 2021, 45, 22833-22838.	2.8	4
59	Hydrogen Bond Organic Frameworks as a Novel Electrochemiluminescence Luminophore: Simple Synthesis and Ultrasensitive Biosensing. <i>Analytical Chemistry</i> , 2021, 93, 17110-17118.	6.5	29
60	Trimetallic PtRhCo petal-assembled alloyed nanoflowers as efficient and stable bifunctional electrocatalyst for ethylene glycol oxidation and hydrogen evolution reactions. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 206-214.	9.4	101
61	Flower-like platinum-cobalt-ruthenium alloy nanoassemblies as robust and highly efficient electrocatalyst for hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 372-378.	9.4	77
62	Porous dendritic PtRuPd nanospheres with enhanced catalytic activity and durability for ethylene glycol oxidation and oxygen reduction reactions. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 467-474.	9.4	101
63	Construction of efficient "on-off-on" fluorescence aptasensor for ultrasensitive detection of prostate specific antigen via covalent energy transfer between g-C ₃ N ₄ quantum dots and palladium triangular plates. <i>Analytica Chimica Acta</i> , 2020, 1104, 53-59.	5.4	27
64	The mimetic assembly of cobalt prot-porphyrin with cyclodextrin dimer and its application for H ₂ O ₂ detection. <i>Analytica Chimica Acta</i> , 2020, 1097, 78-84.	5.4	23
65	One-step aqueous synthesis of hierarchically multi-branched PdRuCu nanoassemblies with highly boosted catalytic activity for ethanol and ethylene glycol oxidation reactions. <i>Applied Surface Science</i> , 2020, 506, 144791.	6.1	72
66	Facile synthesis of porous iridium-palladium-plumbum wire-like nanonetworks with boosted catalytic performance for hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 99-107.	9.4	12
67	Assembled hollow spheres with CoFe alloyed nanocrystals encapsulated in N, P-doped carbon nanovesicles: An ultra-stable bifunctional oxygen catalyst for rechargeable Zn-air battery. <i>Journal of Power Sources</i> , 2020, 475, 228594.	7.8	41
68	Prussian blue analogue-derived CoFe nanocrystals wrapped in nitrogen-doped carbon nanocubes for overall water splitting and Zn-air battery. <i>Journal of Power Sources</i> , 2020, 480, 229107.	7.8	42
69	Flower-like metal-organic framework microsphere as a novel enhanced ECL luminophore to construct the coreactant-free biosensor for ultrasensitive detection of breast cancer 1 gene. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128395.	7.8	29
70	Engineering 3D hierarchical thorn-like PtPdNiCu alloyed nanotripods with enhanced performances for methanol and ethanol electrooxidation. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 425-432.	9.4	45
71	Facile synthesis of platinum-rhodium alloy nanodendrites as an advanced electrocatalyst for ethylene glycol oxidation and hydrogen evolution reactions. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 250-257.	9.4	34
72	Ultrasensitive dual-signal ratiometric electrochemical aptasensor for neuron-specific enolase based on Au nanoparticles@Pd nanoclusters-poly(bismarck brown Y) and dendritic AuPt nanoassemblies. <i>Sensors and Actuators B: Chemical</i> , 2020, 311, 127931.	7.8	43

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73	Facile construction of 3D hyperbranched PtRh nanoassemblies: A bifunctional electrocatalyst for hydrogen evolution and polyhydric alcohol oxidation reactions. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 8433-8443.	7.1	29
74	Bioinspired One-Step Pyrolysis Fabrication of 3D Porous Co, N, P-doped Carbon Nanosheets with Enriched CoN _x Active Sites as High-Performance Bifunctional Oxygen Electrocatalyst for Rechargeable Zn–Air Battery. <i>ACS Applied Energy Materials</i> , 2020, 3, 2781-2790.	5.1	46
75	Well-dispersed Co ₃ Fe ₇ alloy nanoparticles wrapped in N-doped defect-rich carbon nanosheets as a highly efficient and methanol-resistant catalyst for oxygen-reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 277-285.	9.4	54
76	Simple fabrication of trimetallic platinum-nickel-cobalt hollow alloyed 3D multipods for highly boosted hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 570, 205-211.	9.4	78
77	A robust and efficient aqueous electrochemiluminescence emitter constructed by sulfonate porphyrin-based metal–organic frameworks and its application in ascorbic acid detection. <i>Analyst</i> , The, 2020, 145, 2758-2766.	3.5	10
78	Platinum-rhodium alloyed dendritic nanoassemblies: An all-pH efficient and stable electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6110-6119.	7.1	87
79	Highly Enhanced Electrochemiluminescence Luminophore Generated by Zeolitic Imidazole Framework-8-Linked Porphyrin and Its Application for Thrombin Detection. <i>Analytical Chemistry</i> , 2020, 92, 3206-3212.	6.5	51
80	Three-dimensional hierarchical urchin-like PdCuPt nanoassemblies with zigzag branches: A highly efficient and durable electrocatalyst for formic acid oxidation reaction. <i>Applied Surface Science</i> , 2020, 510, 145480.	6.1	21
81	Confining signal probe in porous PdPtCoNi@Pt-skin nanopolyhedra to construct a sandwich-type electrochemical immunosensor for ultrasensitive detection of creatine kinase-MB. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128088.	7.8	34
82	Dendritic core-shell rhodium@platinum-cobalt nanocrystals for ultrasensitive electrochemical immunoassay of squamous cell carcinoma antigen. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 647-654.	9.4	17
83	Ultrathin PdFePb nanowires: One-pot aqueous synthesis and efficient electrocatalysis for polyhydric alcohol oxidation reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 276-283.	9.4	26
84	3D highly branched PtCoRh nanoassemblies: Glycine-assisted solvothermal synthesis and superior catalytic activity for alcohol oxidation. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 512-519.	9.4	46
85	Cationic supercapacitance of carbon nanotubes covered with copper hexacyanoferrate. <i>Nanotechnology</i> , 2019, 30, 505401.	2.6	15
86	Simple one-pot aqueous synthesis of 3D superstructured PtCoCuPd alloyed tripods with hierarchical branches for ultrasensitive immunoassay of cardiac troponin I. <i>Biosensors and Bioelectronics</i> , 2019, 145, 111638.	10.1	47
87	Facile one-pot aqueous fabrication of interconnected ultrathin PtPbPd nanowires as advanced electrocatalysts for ethanol oxidation and oxygen reduction reactions. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 27455-27464.	7.1	32
88	A Facile and Robust Method for Synthesis of Hierarchically Multibranched PtIrCo Alloyed Nanowires: Growth Mechanism and Efficient Electrocatalysis for Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019, 2, 7886-7892.	5.1	21
89	Bioinspired one-pot fabrication of triple-layered Rh@Co@Pt-skin core-shell nanodendrites: A highly active and durable electrocatalyst towards oxygen reduction reaction. <i>Electrochimica Acta</i> , 2019, 321, 134660.	5.2	20
90	Ultrafine Fe ₃ C nanoparticles embedded in N-doped graphitic carbon sheets for simultaneous determination of ascorbic acid, dopamine, uric acid and xanthine. <i>Mikrochimica Acta</i> , 2019, 186, 660.	5.0	41

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91	Graphene wrapped Fe ₇ C ₃ nanoparticles supported on N-doped graphene nanosheets for efficient and highly methanol-tolerant oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 352-359.	9.4	48
92	One-pot solvothermal synthesis of reduced graphene oxide-supported uniform PtCo nanocrystals for efficient and robust electrocatalysis. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 17-24.	9.4	43
93	One-pot aqueous synthesis of two-dimensional porous bimetallic PtPd alloyed nanosheets as highly active and durable electrocatalyst for boosting oxygen reduction and hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 1-8.	9.4	115
94	PtIr alloy nanowire assembly on carbon cloth as advanced anode catalysts for methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 20336-20344.	7.1	12
95	Ultrafine NiCoP-decorated N,S,P-codoped hierarchical porous carbon nanosheets as an efficient bifunctional electrocatalyst for oxygen reduction and oxygen evolution. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1849-1858.	5.9	82
96	Graphene-encapsulated cobalt nanoparticles embedded in porous nitrogen-doped graphitic carbon nanosheets as efficient electrocatalysts for oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 744-751.	9.4	186
97	Ultrathin MoSSe alloy nanosheets anchored on carbon nanotubes as advanced catalysts for hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16110-16119.	7.1	23
98	Mesoporous spinel NiFe oxide cubes as advanced electrocatalysts for oxygen evolution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16368-16377.	7.1	22
99	Facile Synthesis of 3D NiCoP@NiCoPO ₄ Core-Shell Nanostructures with Boosted Catalytic Activity toward Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019, 2, 4188-4194.	5.1	47
100	A simple wet-chemical strategy for facile fabrication of hierarchical PdAu nanodendrites as excellent electrocatalyst for oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 51-58.	9.4	12
101	A label-free electrochemical immunosensor based on rhombic dodecahedral Cu ₃ Pt nanoframes with advanced oxygen reduction performance for highly sensitive alpha-fetoprotein detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 721-727.	7.8	30
102	Ultrasensitive label-free electrochemical immunoassay of carbohydrate antigen 15-3 using dendritic Au@Pt nanocrystals/ferrocene-grafted-chitosan for efficient signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2019, 292, 164-170.	7.8	51
103	Construction of ultrasensitive label-free aptasensor for thrombin detection using palladium nanocones boosted electrochemiluminescence system. <i>Electrochimica Acta</i> , 2019, 310, 195-202.	5.2	29
104	Three dimensional sea-urchin-like PdAuCu nanocrystals/ferrocene-grafted-polylysine as an efficient probe to amplify the electrochemical signals for ultrasensitive immunoassay of carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2019, 132, 294-301.	10.1	77
105	A fast and ultrasensitive detection of zinc ions based on a signal-on mode of electrochemiluminescence from single oxygen generated by porphyrin grafted onto palladium nanocubes. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 203-209.	7.8	18
106	Bimetallic PtCo alloyed nanodendritic assemblies as an advanced efficient and robust electrocatalyst for highly efficient hydrogen evolution and oxygen reduction. <i>Journal of Alloys and Compounds</i> , 2019, 786, 232-239.	5.5	40
107	One-pot solvothermal synthesis of three-dimensional hollow PtCu alloyed dodecahedron nanoframes with excellent electrocatalytic performances for hydrogen evolution and oxygen reduction. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 525-532.	9.4	141
108	Pd nanocones supported on g-C ₃ N ₄ : An efficient photocatalyst for boosting catalytic reduction of hexavalent chromium under visible-light irradiation. <i>Applied Surface Science</i> , 2019, 471, 935-942.	6.1	49

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109	-proline assisted solvothermal preparation of Cu-rich rhombic dodecahedral PtCu nanoframes as advanced electrocatalysts for oxygen reduction and hydrogen evolution reactions. <i>Electrochimica Acta</i> , 2019, 299, 89-97.	5.2	62
110	Uric acid supported one-pot solvothermal fabrication of rhombic-like Pt ₃₅ Cu ₆₅ hollow nanocages for highly efficient and stable electrocatalysis. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 486-494.	9.4	19
111	Facile solvothermal synthesis of Pt ₇₁ Co ₂₉ lamellar nanoflowers as an efficient catalyst for oxygen reduction and methanol oxidation reactions. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 556-562.	9.4	114
112	A novel electrochemical immunosensor for highly sensitive detection of prostate-specific antigen using 3D open-structured PtCu nanoframes for signal amplification. <i>Biosensors and Bioelectronics</i> , 2019, 126, 187-192.	10.1	144
113	Green synthesis of Pd nanocones as a novel and effective electrochemiluminescence illuminant for highly sensitive detection of dopamine. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 588-594.	7.8	28
114	One-step hydrothermal synthesis of three-dimensional nitrogen-doped reduced graphene oxide hydrogels anchored PtPd alloyed nanoparticles for ethylene glycol oxidation and hydrogen evolution reactions. <i>Electrochimica Acta</i> , 2019, 293, 504-513.	5.2	146
115	One-pot synthesis of highly branched Pt@Ag core-shell nanoparticles as a recyclable catalyst with dramatically boosting the catalytic performance for 4-nitrophenol reduction. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 349-356.	9.4	121
116	Shape-controlled synthesis of well-dispersed platinum nanocubes supported on graphitic carbon nitride as advanced visible-light-driven catalyst for efficient photoreduction of hexavalent chromium. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 41-49.	9.4	40
117	Facile synthesis of porous dendritic Pt ₆₈ Ag ₃₂ nanodandelions for greatly boosting electrocatalytic activity towards oxygen reduction and hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 6096-6106.	7.1	9
118	Poly-L-lysine mediated synthesis of palladium nanochain networks and nanodendrites as highly efficient electrocatalysts for formic acid oxidation and hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 325-331.	9.4	36
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121	Dicationic ionic liquid mediated fabrication of Au@Pt nanoparticles supported on reduced graphene oxide with highly catalytic activity for oxygen reduction and hydrogen evolution. <i>Applied Surface Science</i> , 2018, 441, 438-447.	6.1	31
122	Controllable synthesis of PtPd nanocubes on graphene as advanced catalysts for ethanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4902-4911.	7.1	43
123	Controlled fabrication of well-dispersed AgPd nanoclusters supported on reduced graphene oxide with highly enhanced catalytic properties towards 4-nitrophenol reduction. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 355-363.	9.4	128
124	One-pot synthesis of a PtPd dendritic nanocube cage superstructure on graphenes as advanced catalysts for oxygen reduction. <i>Nanotechnology</i> , 2018, 29, 10LT01.	2.6	6
125	Facile synthesis of prickly platinum-palladium core-shell nanocrystals and their boosted electrocatalytic activity towards polyhydric alcohols oxidation and hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 476-483.	9.4	26
126	Bimetallic PtPd alloyed core-shell nanodendrites supported on reduced graphene oxide: One-pot green synthesis and efficient electrocatalytic performances for glycerol oxidation and hydrogen evolution. <i>Journal of Alloys and Compounds</i> , 2018, 735, 2123-2132.	5.5	31

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128	Bimetallic Alloyed PtCu Nanocubic Frames with Three-dimensional Molecular Accessible Surfaces for Boosting Oxygen Reduction and Glycerol Oxidation Reactions. <i>ChemCatChem</i> , 2018, 10, 3319-3326.	3.7	24
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130	Highly sensitive label-free amperometric immunoassay of prostate specific antigen using hollow dendritic AuPtAg alloyed nanocrystals. <i>Biosensors and Bioelectronics</i> , 2018, 111, 47-51.	10.1	53
131	Solvothermal synthesis of N-doped graphene supported PtCo nanodendrites with highly catalytic activity for 4-nitrophenol reduction. <i>Applied Surface Science</i> , 2018, 428, 798-808.	6.1	78
132	One-pot fabrication of reduced graphene oxide supported dendritic core-shell gold@gold-palladium nanoflowers for glycerol oxidation. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 73-81.	9.4	41
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143	Melamine-assisted solvothermal synthesis of PtNi nanodendrites as highly efficient and durable electrocatalyst for hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 578-584.	9.4	64
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182	One-Pot Seedless Aqueous Synthesis of Reduced Graphene Oxide (rGO)-Supported Core-Shell Pt@Pd Nanoflowers as Advanced Catalysts for Oxygen Reduction and Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8675-8683.	6.7	50
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186	Ultrasonication-assisted wet-chemical fabrication of uniform AuPt nanodendrites as efficient electrocatalyst for oxygen reduction and hydrogen evolution reactions. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 2071-2080.	7.1	21
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196	Hydrogen bubbles template-directed synthesis of self-supported AuPt nanowire networks for improved ethanol oxidation and oxygen reduction reactions. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 8871-8880.	7.1	55
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202	Uniform Deposition of Co ₃ O ₄ Nanosheets on Exfoliated MoS ₂ Nanosheets as Advanced Catalysts for Water Splitting. <i>Electrochimica Acta</i> , 2016, 212, 890-897.	5.2	34
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204	Fluorescent graphene-like carbon nitrides: synthesis, properties and applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8146-8160.	5.5	77
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210	Green-assembly of three-dimensional porous graphene hydrogels for efficient removal of organic dyes. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 254-262.	9.4	80
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218	Bio-directed one-pot synthesis of Pt-Pd alloyed nanoflowers supported on reduced graphene oxide with enhanced catalytic activity for ethylene glycol oxidation. <i>Electrochimica Acta</i> , 2016, 188, 696-703.	5.2	47
219	Simple synthesis of bimetallic AuPd dendritic alloyed nanocrystals with enhanced electrocatalytic performance for hydrazine oxidation reaction. <i>Electrochimica Acta</i> , 2016, 190, 872-878.	5.2	40
220	Microwave-assisted synthesis of N,P-doped carbon dots for fluorescent cell imaging. <i>Mikrochimica Acta</i> , 2016, 183, 821-826.	5.0	97
221	Simple wet-chemical synthesis of core-shell Au@Pd nanocrystals and their improved electrocatalytic activity for ethylene glycol oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 2547-2553.	7.1	60
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223	Electrochemical sensor for nitrite using a glassy carbon electrode modified with gold-copper nanochain networks. <i>Mikrochimica Acta</i> , 2016, 183, 791-797.	5.0	75
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225	One-pot solvothermal synthesis of bimetallic yolk-shell Ni@PtNi nanocrystals supported on reduced graphene oxide and their excellent catalytic properties for p-nitrophenol reduction. <i>New Journal of Chemistry</i> , 2016, 40, 2315-2320.	2.8	36
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227	Oligonucleotide-assisted successive coreduction synthesis of dendritic platinum-gold core-shell alloy nanocrystals with improved electrocatalytic performance for methanol oxidation. <i>Journal of Power Sources</i> , 2016, 302, 140-145.	7.8	31
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229	One-step green synthesis of fluorescent bimetallic Au/Ag nanoclusters for temperature sensing and in vitro detection of Fe 3+. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 550-556.	7.8	97
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243	A glassy carbon electrode modified with porous gold nanosheets for simultaneous determination of dopamine and acetaminophen. <i>Mikrochimica Acta</i> , 2015, 182, 589-595.	5.0	60
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247	L-Arginine-assisted electrochemical fabrication of hierarchical gold dendrites with improved electrocatalytic activity. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 3185-3193.	2.5	5
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250	Surfactant-free synthesis of reduced graphene oxide supported porous PtAu alloyed nanoflowers with improved catalytic activity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5321-5327.	10.3	65
251	Enhanced catalytic performance of Pd-Pt nanodendrites for ligand-free Suzuki cross-coupling reactions. <i>RSC Advances</i> , 2015, 5, 28467-28473.	3.6	23
252	Green preparation of carbon dots by Jinhua bergamot for sensitive and selective fluorescent detection of Hg ²⁺ and Fe ³⁺ . <i>Sensors and Actuators B: Chemical</i> , 2015, 214, 29-35.	7.8	240

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254	Facile large-scale synthesis of Au@Pt alloyed nanowire networks as efficient electrocatalysts for methanol oxidation and oxygen reduction reactions. RSC Advances, 2015, 5, 87061-87068.	3.6	27
255	One-step melamine-assisted synthesis of graphene-supported AuPt@Au nanocrystals for enhanced catalytic reduction of p-nitrophenol. RSC Advances, 2015, 5, 96028-96033.	3.6	31
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259	A simple and controlled electrochemical deposition route to urchin-like Pd nanoparticles with enhanced electrocatalytic properties. Journal of Electroanalytical Chemistry, 2015, 738, 1-7.	3.8	17
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272	Simple synthesis of hollow Pt@Pd nanospheres supported on reduced graphene oxide for enhanced methanol electrooxidation. <i>Journal of Power Sources</i> , 2014, 254, 119-125.	7.8	61
273	A simple one-pot strategy to platinum@palladium core-shell nanostructures with high electrocatalytic activity. <i>Journal of Power Sources</i> , 2014, 265, 231-238.	7.8	39
274	Facile synthesis of MnO ₂ @Ag hollow microspheres with sheet-like subunits and their catalytic properties. <i>CrystEngComm</i> , 2014, 16, 863-869.	2.6	12
275	Facile and green synthesis of photoluminescent carbon nanoparticles for cellular imaging. <i>New Journal of Chemistry</i> , 2014, 38, 784.	2.8	106
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278	Facile synthesis of water-soluble and biocompatible fluorescent nitrogen-doped carbon dots for cell imaging. <i>Analyst</i> , The, 2014, 139, 1692-1696.	3.5	126
279	Facile synthesis of ultrathin worm-like Au nanowires for highly active SERS substrates. <i>New Journal of Chemistry</i> , 2014, 38, 3395-3400.	2.8	19
280	Green synthesis of peptide-templated fluorescent copper nanoclusters for temperature sensing and cellular imaging. <i>Analyst</i> , The, 2014, 139, 6536-6541.	3.5	109
281	A facile, green, and solvent-free route to nitrogen@sulfur-codoped fluorescent carbon nanoparticles for cellular imaging. <i>RSC Advances</i> , 2014, 4, 11872-11875.	3.6	51
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284	Simple synthesis of platinum@palladium nanoflowers on reduced graphene oxide and their enhanced catalytic activity for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2014, 269, 136-143.	7.8	29
285	One-pot synthesis of monodisperse palladium@copper nanocrystals supported on reduced graphene oxide nanosheets with improved catalytic activity and methanol tolerance for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2014, 269, 104-110.	7.8	70
286	Facile synthesis of bimetallic alloyed Pt-Pd nanocubes on reduced graphene oxide with enhanced electrocatalytic properties. <i>Electrochimica Acta</i> , 2014, 143, 36-43.	5.2	30
287	Facile synthesis of Pt@Pd nanodendrites and their superior electrocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4384-4390.	10.3	93
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292	Facile synthesis of Pd nanochains with enhanced electrocatalytic performance for formic acid oxidation. <i>Electrochimica Acta</i> , 2014, 130, 446-452.	5.2	40
293	Rapid room-temperature synthesis of Pd nanodendrites on reduced graphene oxide for catalytic oxidation of ethylene glycol and glycerol. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 3730-3738.	7.1	90
294	Simple one-pot synthesis of platinum-palladium nanoflowers with enhanced catalytic activity and methanol-tolerance for oxygen reduction in acid media. <i>Electrochimica Acta</i> , 2014, 137, 431-438.	5.2	39
295	Facile synthesis of reduced graphene oxide supported PtAg nanoflowers and their enhanced electrocatalytic activity. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 3211-3218.	7.1	40
296	A facile general strategy for synthesis of palladium-based bimetallic alloyed nanodendrites with enhanced electrocatalytic performance for methanol and ethylene glycol oxidation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12899-12906.	10.3	70
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302	Shaped-controlled electrosynthesis of gold nanodendrites for highly selective and sensitive SERS detection of formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 92-99.	7.8	51
303	Facile Synthesis of PdPt@Pt Nanorings Supported on Reduced Graphene Oxide with Enhanced Electrocatalytic Properties. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 10549-10555.	8.0	81
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305	Green synthesis of porous flower-like palladium with high electrocatalytic activity towards methanol oxidation. <i>RSC Advances</i> , 2013, 3, 10355.	3.6	31
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313	Sensitive detection of mercury (II) ion using water-soluble captopril-stabilized fluorescent gold nanoparticles. <i>Materials Science and Engineering C</i> , 2013, 33, 2664-2668.	7.3	12
314	Polyinosinic acid-stabilized fluorescent silver nanoclusters for sensitive detection of biological thiols. <i>Analytical Methods</i> , 2013, 5, 6076.	2.7	12
315	Facile synthesis of a porous network-like silver film for electrocatalytic detection of nitrate. <i>Mikrochimica Acta</i> , 2013, 180, 1495-1500.	5.0	12
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317	Facile synthesis of uniform Pt nanoparticles on polydopamine-reduced graphene oxide and their electrochemical sensing. <i>Electrochimica Acta</i> , 2013, 112, 127-132.	5.2	46
318	One-pot green synthesis of nitrogen-doped carbon nanoparticles as fluorescent probes for mercury ions. <i>RSC Advances</i> , 2013, 3, 21691.	3.6	295
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