

Zhihui Dai

List of Publications by Year in descending order

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143
papers

8,363
citations

34105

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144
all docs

144
docs citations

144
times ranked

11512
citing authors

#	ARTICLE	IF	CITATIONS
1	Pomegranate-like N,P-Doped Mo ₂ C@C Nanospheres as Highly Active Electrocatalysts for Alkaline Hydrogen Evolution. ACS Nano, 2016, 10, 8851-8860.	14.6	575
2	Ru Modulation Effects in the Synthesis of Unique Rod-like Ni@Ni ₂ Pâ€Ru Heterostructures and Their Remarkable Electrocatalytic Hydrogen Evolution Performance. Journal of the American Chemical Society, 2018, 140, 2731-2734.	13.7	326
3	Two-Dimensional Tin Selenide Nanostructures for Flexible All-Solid-State Supercapacitors. ACS Nano, 2014, 8, 3761-3770.	14.6	322
4	Nanostructured FeS as a Mimic Peroxidase for Biocatalysis and Biosensing. Chemistry - A European Journal, 2009, 15, 4321-4326.	3.3	291
5	Co ₃ S ₄ porous nanosheets embedded in graphene sheets as high-performance anode materials for lithium and sodium storage. Journal of Materials Chemistry A, 2015, 3, 6787-6791.	10.3	247
6	2D Electron Gas and Oxygen Vacancy Induced High Oxygen Evolution Performances for Advanced Co ₃ O ₄ /CeO ₂ Nanohybrids. Advanced Materials, 2019, 31, e1900062.	21.0	242
7	Wet milled synthesis of an Sb/MWCNT nanocomposite for improved sodium storage. Journal of Materials Chemistry A, 2013, 1, 13727.	10.3	188
8	Electrochemiluminescence for Electric-Driven Antibacterial Therapeutics. Journal of the American Chemical Society, 2018, 140, 2284-2291.	13.7	180
9	Metalâ€organic framework templated nitrogen and sulfur co-doped porous carbons as highly efficient metal-free electrocatalysts for oxygen reduction reactions. Journal of Materials Chemistry A, 2014, 2, 6316-6319.	10.3	179
10	Defectâ€Rich Ni ₃ FeN Nanocrystals Anchored on Nâ€Doped Graphene for Enhanced Electrocatalytic Oxygen Evolution. Advanced Functional Materials, 2018, 28, 1706018.	14.9	169
11	Fluorine-Doped Carbon Particles Derived from Lotus Petioles as High-Performance Anode Materials for Sodium-Ion Batteries. Journal of Physical Chemistry C, 2015, 119, 21336-21344.	3.1	158
12	Immobilization and direct electrochemistry of glucose oxidase on a tetragonal pyramid-shaped porous ZnO nanostructure for a glucose biosensor. Biosensors and Bioelectronics, 2009, 24, 1286-1291.	10.1	139
13	A selenium-confined microporous carbon cathode for ultrastable lithiumâ€selenium batteries. Journal of Materials Chemistry A, 2014, 2, 17735-17739.	10.3	117
14	Cesium Lead Halide Perovskite Quantum Dots as a Photoluminescence Probe for Metal Ions. Advanced Materials, 2017, 29, 1700150.	21.0	112
15	Using Graphene-Based Plasmonic Nanocomposites to Quench Energy from Quantum Dots for Signal-On Photoelectrochemical Aptasensing. Analytical Chemistry, 2013, 85, 11720-11724.	6.5	108
16	An Improved Ultrasensitive Enzyme-Linked Immunosorbent Assay Using Hydrangea-Like Antibodyâ€Enzymeâ€Inorganic Three-in-One Nanocomposites. ACS Applied Materials & Interfaces, 2016, 8, 6329-6335.	8.0	104
17	A bienzyme channeling glucose sensor with a wide concentration range based on co-entrapment of enzymes in SBA-15 mesopores. Biosensors and Bioelectronics, 2008, 23, 1070-1076.	10.1	100
18	Five-Fold Twinned Pd ₂ NiAg Nanocrystals with Increased Surface Ni Site Availability to Improve Oxygen Reduction Activity. Journal of the American Chemical Society, 2015, 137, 2820-2823.	13.7	100

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19	Selective photoelectrochemical architectures for biosensing: Design, mechanism and responsibility. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 470-483.	11.4	97
20	Photoelectrochemical Biosensor Using Enzyme-Catalyzed in Situ Propagation of CdS Quantum Dots on Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16197-16203.	8.0	96
21	Electrochemiluminescence Tuned by Electron-Hole Recombination from Symmetry-Breaking in Wurtzite ZnSe. <i>Journal of the American Chemical Society</i> , 2016, 138, 1154-1157.	13.7	96
22	Integrating ultrathin and modified NiCoAl-layered double-hydroxide nanosheets with N-doped reduced graphene oxide for high-performance all-solid-state supercapacitors. <i>Nanoscale</i> , 2019, 11, 9896-9905.	5.6	95
23	In Situ-Generated Nano-Gold Plasmon-Enhanced Photoelectrochemical Aptasensing Based on Carboxylated Perylene-Functionalized Graphene. <i>Analytical Chemistry</i> , 2014, 86, 1306-1312.	6.5	93
24	Fluorescence Regulation of Poly(thymine)-Templated Copper Nanoparticles via an Enzyme-Triggered Reaction toward Sensitive and Selective Detection of Alkaline Phosphatase. <i>Analytical Chemistry</i> , 2017, 89, 3681-3686.	6.5	93
25	Ge Nanoparticles Encapsulated in Nitrogen-Doped Reduced Graphene Oxide as an Advanced Anode Material for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28502-28508.	3.1	92
26	Aggregation of Individual Sensing Units for Signal Accumulation: Conversion of Liquid-Phase Colorimetric Assay into Enhanced Surface-Tethered Electrochemical Analysis. <i>Journal of the American Chemical Society</i> , 2015, 137, 8880-8883.	13.7	92
27	Coralloid Co ₂ P ₂ O ₇ Nanocrystals Encapsulated by Thin Carbon Shells for Enhanced Electrochemical Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22534-22544.	8.0	91
28	Preparation of Silicon-Carbon-Based Dots@Dopamine and Its Application in Intracellular Ag ⁺ Detection and Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3644-3650.	8.0	91
29	Construction of Molecular Sensing and Logic Systems Based on Site-Occupying Effect-Modulated MOF-DNA Interaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 21267-21271.	13.7	87
30	Dual Signal Amplification Using Gold Nanoparticles-Enhanced Zinc Selenide Nanoflakes and P19 Protein for Ultrasensitive Photoelectrochemical Biosensing of MicroRNA in Cell. <i>Analytical Chemistry</i> , 2016, 88, 10459-10465.	6.5	85
31	An Electrochemical Biosensor with Dual Signal Outputs: Toward Simultaneous Quantification of pH and O ₂ in the Brain upon Ischemia and in a Tumor during Cancer Starvation Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10471-10475.	13.8	84
32	Facile synthesis of high-quality nano-sized CdS hollow spheres and their application in electrogenerated chemiluminescence sensing. <i>Journal of Materials Chemistry</i> , 2007, 17, 1087-1093.	6.7	83
33	Mild Hyperthermia-Enhanced Enzyme-Mediated Tumor Cell Chemodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23065-23071.	8.0	77
34	Near-Infrared Light Excited and Localized Surface Plasmon Resonance-Enhanced Photoelectrochemical Biosensing Platform for Cell Analysis. <i>Analytical Chemistry</i> , 2018, 90, 9403-9409.	6.5	74
35	Synergistically enhanced oxygen reduction electrocatalysis by atomically dispersed and nanoscaled Co species in three-dimensional mesoporous Co, N-codoped carbon nanosheets network. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118207.	20.2	74
36	A novel nitrite biosensor based on the direct electron transfer of hemoglobin immobilized on CdS hollow nanospheres. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1869-1873.	10.1	73

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37	Fe-Porphyrin-Based Covalent Organic Framework As a Novel Peroxidase Mimic for a One-Pot Glucose Colorimetric Assay. <i>ACS Applied Bio Materials</i> , 2018, 1, 382-388.	4.6	72
38	A facile synthesis of PdCo bimetallic hollow nanospheres and their application to Sonogashira reaction in aqueous media. <i>New Journal of Chemistry</i> , 2006, 30, 832.	2.8	71
39	Two-dimensional nanostructures of non-layered ternary thiospinels and their bifunctional electrocatalytic properties for oxygen reduction and evolution: the case of CuCo ₂ S ₄ nanosheets. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1501-1509.	6.0	69
40	Photo-tearable tape close-wrapped upconversion nanocapsules for near-infrared modulated efficient siRNA delivery and therapy. <i>Biomaterials</i> , 2018, 163, 55-66.	11.4	69
41	Well-Coupled Graphene and Pd-Based Bimetallic Nanocrystals Nanocomposites for Electrocatalytic Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2086-2094.	8.0	67
42	Ratiometric Fluorescent Quantum Dot-Based Biosensor for Chlorothalonil Detection via an Inner-Filter Effect. <i>Analytical Chemistry</i> , 2020, 92, 4364-4370.	6.5	67
43	Simultaneous and ultrasensitive detection of three pesticides using a surface-enhanced Raman scattering-based lateral flow assay test strip. <i>Biosensors and Bioelectronics</i> , 2021, 181, 113149.	10.1	67
44	Ultralong Cycle Life Sodium-Ion Battery Anodes Using a Graphene-Templated Carbon Hybrid. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22426-22431.	3.1	66
45	Polarized Optoelectronics of CsPbX ₃ (X = Cl, Br, I) Perovskite Nanoplates with Tunable Size and Thickness. <i>Advanced Functional Materials</i> , 2018, 28, 1800283.	14.9	63
46	Photoelectrochemical Bioanalysis Platform for Cells Monitoring Based on Dual Signal Amplification Using in Situ Generation of Electron Acceptor Coupled with Heterojunction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22289-22297.	8.0	62
47	Enhancing the Anode Performance of Antimony through Nitrogen-Doped Carbon and Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3214-3220.	3.1	61
48	Component-Controlled Synthesis and Assembly of Cu@Pd Nanocrystals on Graphene for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5347-5357.	8.0	60
49	Component-Controlled Synthesis of Necklace-Like Hollow Ni _X Ru _y Nanoalloys as Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17326-17336.	8.0	60
50	Construction of Metal-Ion-Free G-quadruplex-Hemin DNAzyme and Its Application in S1 Nuclease Detection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 827-833.	8.0	56
51	Mesoporous Materials Promoting Direct Electrochemistry and Electrocatalysis of Horseradish Peroxidase. <i>Electroanalysis</i> , 2005, 17, 862-868.	2.9	55
52	A carbon nanotube/quantum dot based photoelectrochemical biosensing platform for the direct detection of microRNAs. <i>Chemical Communications</i> , 2014, 50, 13315-13318.	4.1	55
53	3D Porous Nanoarchitectures Derived from SnS ₂ -Doped Graphene Hybrid Nanosheets for Flexible All-Solid-State Supercapacitors. <i>Small</i> , 2017, 13, 1603494.	10.0	55
54	Engineering Mo/Mo ₂ C/MoC hetero-interfaces for enhanced electrocatalytic nitrogen reduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8920-8926.	10.3	54

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55	Fabrication of Hierarchical Nanostructure of Silver via a Surfactant-Free Mixed Solvents Route. <i>Crystal Growth and Design</i> , 2009, 9, 3941-3947.	3.0	52
56	Conjugated Polymer-Based Photoelectrochemical Cytosensor with Turn-On Enable Signal for Sensitive Cell Detection. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6618-6623.	8.0	52
57	A novel tetragonal pyramid-shaped porous ZnO nanostructure and its application in the biosensing of horseradish peroxidase. <i>Journal of Materials Chemistry</i> , 2008, 18, 1919.	6.7	51
58	In situ generated AgBr-enhanced ZnO nanorod-based photoelectrochemical aptasensing via layer-by-layer assembly. <i>Chemical Communications</i> , 2014, 50, 2108.	4.1	51
59	Quantum dots sensitized titanium dioxide decorated reduced graphene oxide for visible light excited photoelectrochemical biosensing at a low potential. <i>Biosensors and Bioelectronics</i> , 2014, 54, 331-338.	10.1	49
60	Label-free photoelectrochemical cytosensing via resonance energy transfer using gold nanoparticle-enhanced carbon dots. <i>Chemical Communications</i> , 2015, 51, 14259-14262.	4.1	49
61	Fluorescence Regulation of Copper Nanoclusters via DNA Template Manipulation toward Design of a High Signal-to-Noise Ratio Biosensor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6965-6971.	8.0	47
62	Detection of Trace Phenol Based on Mesoporous Silica Derived Tyrosinase-Peroxidase Biosensor. <i>Electroanalysis</i> , 2005, 17, 1571-1577.	2.9	46
63	A localized surface plasmon resonance-enhanced photoelectrochemical biosensing strategy for highly sensitive and scatheless cell assay under red light excitation. <i>Chemical Communications</i> , 2016, 52, 11799-11802.	4.1	45
64	Red light-driven photoelectrochemical biosensing for ultrasensitive and scatheless assay of tumor cells based on hypotoxic AgInS ₂ nanoparticles. <i>Biosensors and Bioelectronics</i> , 2019, 126, 332-338.	10.1	44
65	Bimetallic metal-organic framework for enzyme immobilization by biomimetic mineralization: Constructing a mimic enzyme and simultaneously immobilizing natural enzymes. <i>Analytica Chimica Acta</i> , 2020, 1098, 148-154.	5.4	42
66	Rapid and sensitive detection of microRNA via the capture of fluorescent dyes-loaded albumin nanoparticles around functionalized magnetic beads. <i>Biosensors and Bioelectronics</i> , 2017, 94, 56-62.	10.1	41
67	Two-dimensional porous γ -AlOOH and γ -Al ₂ O ₃ nanosheets: hydrothermal synthesis, formation mechanism and catalytic performance. <i>RSC Advances</i> , 2015, 5, 71728-71734.	3.6	40
68	A silver@gold nanoparticle tetrahedron biosensor for multiple pesticides detection based on surface-enhanced Raman scattering. <i>Talanta</i> , 2021, 234, 122585.	5.5	38
69	Enhancing Photoelectric Response of an Au@Ag/AgI Schottky Contact through Regulation of Localized Surface Plasmon Resonance. <i>Journal of the American Chemical Society</i> , 2021, 143, 13478-13482.	13.7	37
70	A Signal On-Off Photoelectrochemical Biosensor Based on Bismuth@N,O-Codoped Carbon Core-Shell Nanohybrids for Ultrasensitive Detection of Telomerase in HeLa Cells. <i>Chemistry - A European Journal</i> , 2018, 24, 3677-3682.	3.3	35
71	Alternate Integration of Vertically Oriented CuSe@FeOOH and CuSe@MnOOH Hybrid Nanosheets Frameworks for Flexible In-Plane Asymmetric Micro-supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 3692-3703.	5.1	35
72	Electrochemical Immunoassays Based on Graphene: A Review. <i>Electroanalysis</i> , 2016, 28, 4-12.	2.9	34

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73	Triple-Helix Molecular Switch Electrochemiluminescence Nanoamplifier Based on a S-Doped Lu ₂ O ₃ /Ag ₂ S Pair for Sensitive MicroRNA Detection. <i>Analytical Chemistry</i> , 2019, 91, 12038-12045.	6.5	33
74	Constructing Heterostructured Bimetallic Selenides on an N-Doped Carbon Nanoframework as Anodes for Ultrastable Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1222-1232.	8.0	33
75	Modulating Polarization of Perovskite-Based Heterostructures via In Situ Semiconductor Generation and Enzyme Catalysis for Signal-Switchable Photoelectrochemical Biosensing. <i>Analytical Chemistry</i> , 2021, 93, 8370-8378.	6.5	32
76	Formation of a Photoelectrochemical Z-Scheme Structure with Inorganic/Organic Hybrid Materials for Evaluation of Receptor Protein Expression on the Membrane of Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26905-26913.	8.0	31
77	Ultrasensitive electrochemical biosensing for DNA using quantum dots combined with restriction endonuclease. <i>Analyst, The</i> , 2015, 140, 506-511.	3.5	29
78	Stable and Reusable Electrochemical Biosensor for Poly(ADP-ribose) Polymerase and Its Inhibitor Based on Enzyme-Initiated Auto-PARylation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18669-18674.	8.0	29
79	Cucurbituril and Azide Cofunctionalized Graphene Oxide for Ultrasensitive Electro-Click Biosensing. <i>Analytical Chemistry</i> , 2017, 89, 12237-12243.	6.5	29
80	Electrochemical Assay of the Alpha Fetoprotein-L3 Isoform Ratio To Improve the Diagnostic Accuracy of Hepatocellular Carcinoma. <i>Analytical Chemistry</i> , 2018, 90, 13051-13058.	6.5	29
81	CdSe quantum dots as labels for sensitive immunoassay of cancer biomarker proteins by electrogenerated chemiluminescence. <i>Analyst, The</i> , 2011, 136, 5197.	3.5	28
82	Electrochemical monitoring of an important biomarker and target protein: VEGFR2 in cell lysates. <i>Scientific Reports</i> , 2014, 4, 3982.	3.3	28
83	Low Potential Detection of NADH at Titanium-Containing MCM-41 Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2007, 19, 604-607.	2.9	27
84	Component Controlled Synthesis of Small Sized Pd-Ag Bimetallic Alloy Nanocrystals and Their Application in a Non-Enzymatic Glucose Biosensor. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 549-556.	2.3	27
85	SbSI Nanocrystals: An Excellent Visible Light Photocatalyst with Efficient Generation of Singlet Oxygen. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12166-12175.	6.7	27
86	Component reconstitution-driven photoelectrochemical sensor for sensitive detection of Cu ²⁺ based on advanced CuS/CdS p-n junction. <i>Science China Chemistry</i> , 2019, 62, 1725-1731.	8.2	26
87	Oxidase-mimicking activity of ultrathin MnO ₂ nanosheets in a colorimetric assay of chlorothalonil in food samples. <i>Food Chemistry</i> , 2020, 331, 127090.	8.2	26
88	Aggregation-induced fluorescence probe for hypochlorite imaging in mitochondria of living cells and zebrafish. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7375-7381.	5.8	26
89	Near-infrared MnCuInS/ZnS@BSA and urchin-like Au nanoparticle as a novel donor-acceptor pair for enhanced FRET biosensing. <i>Analytica Chimica Acta</i> , 2018, 1042, 71-78.	5.4	25
90	Photoelectrochemical Approach to Apoptosis Evaluation via Multi-Functional Peptide- and Electrostatic Attraction-Guided Excitonic Response. <i>Analytical Chemistry</i> , 2019, 91, 830-835.	6.5	25

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91	Engineering bimetal Cu, Co sites on 3D N-doped porous carbon nanosheets for enhanced oxygen reduction electrocatalysis. <i>Chemical Communications</i> , 2020, 56, 10010-10013.	4.1	25
92	Quantification of cyclic DNA polymerization with lanthanide coordination nanomaterials for liquid biopsy. <i>Chemical Science</i> , 2020, 11, 3745-3751.	7.4	25
93	Highly sensitive "signal-on" electrochemiluminescent biosensor for the detection of DNA based on dual quenching and strand displacement reaction. <i>Chemical Communications</i> , 2015, 51, 14578-14581.	4.1	24
94	Significantly Enhanced Hydrogen Evolution Activity of Freestanding Pd-Ru Distorted Icosahedral Clusters with less than 600 Atoms. <i>Chemistry - A European Journal</i> , 2017, 23, 18203-18207.	3.3	24
95	Applications of DNA-nanozyme-based sensors. <i>Analyst</i> , The, 2021, 146, 1127-1141.	3.5	24
96	An amperometric glucose biosensor constructed by immobilizing glucose oxidase on titanium-containing mesoporous composite material of no. 41 modified screen-printed electrodes. <i>Analytica Chimica Acta</i> , 2007, 591, 195-199.	5.4	23
97	Electrochemiluminescence of CdSe quantum dots for highly sensitive competitive immunosensing. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 271-276.	7.8	23
98	Sequence and Structure Dual-Dependent Interaction between Small Molecules and DNA for the Detection of Residual Silver Ions in As-Prepared Silver Nanomaterials. <i>Analytical Chemistry</i> , 2017, 89, 6815-6820.	6.5	23
99	Graphene Oxide-Assisted and DNA-Modulated SERS of AuCu Alloy for the Fabrication of Apurinic/Apyrimidinic Endonuclease 1 Biosensor. <i>Small</i> , 2019, 15, e1901506.	10.0	23
100	Dual-path modulation of hydrogen peroxide to ameliorate hypoxia for enhancing photodynamic/starvation synergistic therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9933-9942.	5.8	22
101	Green light excited ultrasensitive photoelectrochemical biosensing for microRNA at a low applied potential based on the dual role of Au NPs in TiO ₂ nanorods/Au NPs composites. <i>Nanoscale</i> , 2018, 10, 16474-16478.	5.6	21
102	Amino Acid-Capped Water-Soluble Near-Infrared Region CuInS ₂ /ZnS Quantum Dots for Selective Cadmium Ion Determination and Multicolor Cell Imaging. <i>Analytical Chemistry</i> , 2019, 91, 8987-8993.	6.5	21
103	Well-Coupled Nanohybrids Obtained by Component-Controlled Synthesis and in Situ Integration of Mn _x Pd _y Nanocrystals on Vulcan Carbon for Electrocatalytic Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8155-8164.	8.0	20
104	An Electrochemical Biosensor with Dual Signal Outputs: Toward Simultaneous Quantification of pH and O ₂ in the Brain upon Ischemia and in a Tumor during Cancer Starvation Therapy. <i>Angewandte Chemie</i> , 2017, 129, 10607-10611.	2.0	19
105	Amorphous Y(OH) ₃ -promoted Ru/Y(OH) ₃ nanohybrids with high durability for electrocatalytic hydrogen evolution in alkaline media. <i>Chemical Communications</i> , 2018, 54, 12202-12205.	4.1	19
106	Bovine serum albumin encapsulation of near infrared fluorescent nano-probe with low nonspecificity and cytotoxicity for imaging of HER2-positive breast cancer cells. <i>Talanta</i> , 2020, 210, 120625.	5.5	19
107	CuO/Ag ₂ S/CuS Nanohybrids-Integrated Photoelectric and Photothermal Effects for Ultrasensitive Detection of Inorganic Pyrophosphatase. <i>Advanced Functional Materials</i> , 2022, 32, 2106854.	14.9	19
108	Preparation of Reactive Oligo(p-Phenylene Vinylene) Materials for Spatial Profiling of the Chemical Reactivity of Intracellular Compartments. <i>Advanced Materials</i> , 2016, 28, 3749-3754.	21.0	18

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109	Nanostructured metal chalcogenides confined in hollow structures for promoting energy storage. <i>Nanoscale Advances</i> , 2020, 2, 583-604.	4.6	18
110	Co ²⁺ Quenching Effect between Lanthanum Metal-Organic Frameworks Luminophore and Crystal Violet for Enhanced Electrochemiluminescence Gene Detection. <i>Small</i> , 2021, 17, e2103424.	10.0	18
111	Oxygen-Vacancy-Rich NiMnZn-Layered Double Hydroxide Nanosheets Married with Mo ₂ CT MXene for High-Efficiency All-Solid-State Hybrid Supercapacitors. <i>ACS Applied Energy Materials</i> , 2022, 5, 3346-3358.	5.1	17
112	Colloidal-sized zirconium porphyrin metal-organic frameworks with improved peroxidase-mimicking catalytic activity, stability and dispersity. <i>Analyst</i> , The, 2020, 145, 3002-3008.	3.5	16
113	Detection of NADH and Ethanol at Titanium Containing MCM-41 with Low Overpotential. <i>Electroanalysis</i> , 2007, 19, 1591-1596.	2.9	15
114	Versatile Synthesis of Pd ^m (M=Cr, Mo, W) Alloy Nanosheets Flower-like Superstructures for Efficient Oxygen Reduction Electrocatalysis. <i>ChemCatChem</i> , 2020, 12, 4138-4148.	3.7	14
115	Highly sensitive and selective colorimetric sensor for thiocyanate based on electrochemical oxidation-assisted complexation reaction with Gold nanostars etching. <i>Journal of Hazardous Materials</i> , 2020, 391, 122217.	12.4	14
116	A versatile switchable dual-modal colorimetric and photoelectrochemical biosensing strategy via light-controlled sway of a signal-output transverter. <i>Chemical Communications</i> , 2021, 57, 3223-3226.	4.1	14
117	Monoclinic Copper(I) Selenide Nanocrystals and Copper(I) Selenide/Palladium Heterostructures: Synthesis, Characterization, and Surface-Enhanced Raman Scattering Performance. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2229-2236.	2.0	13
118	Facile Synthesis of Mo ₂ C Nanocrystals Embedded in Nanoporous Carbon Network for Efficient Hydrogen Evolution. <i>Chinese Journal of Chemistry</i> , 2017, 35, 911-917.	4.9	12
119	Substrate specificity-enabled terminal protection for direct quantification of circulating MicroRNA in patient serums. <i>Chemical Science</i> , 2019, 10, 5616-5623.	7.4	12
120	Nickel-mediated allosteric manipulation of G-quadruplex DNAzyme for highly selective detection of histidine. <i>Analytica Chimica Acta</i> , 2018, 1008, 90-95.	5.4	11
121	Spectrum-Quantified Morphological Evolution of Enzyme-Protected Silver Nanotriangles by DNA-Guided Postshaping. <i>Journal of the American Chemical Society</i> , 2019, 141, 19533-19537.	13.7	11
122	Mesoporous SiO ₂ -(l)-lysine hybrid nanodisks: direct electron transfer of superoxide dismutase, sensitive detection of superoxide anions and its application in living cell monitoring. <i>RSC Advances</i> , 2013, 3, 20456.	3.6	10
123	Controllable Mn-doped ZnO nanorods for direct assembly of a photoelectrochemical aptasensor. <i>Analyst</i> , The, 2017, 142, 2177-2184.	3.5	10
124	Fabrication of non-destructive and enhanced electrochemiluminescence interface for reusable detection of cell-released dopamine. <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 438-444.	7.8	10
125	Catalytic Hydrogenation of Nitrophenols by Cubic and Hexagonal Phase Unsupported Ni Nanocrystals. <i>ChemistrySelect</i> , 2019, 4, 42-48.	1.5	10
126	Quantitative principal component analysis of multiple metal ions with lanthanide coordination polymer networks. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130469.	7.8	10

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127	An ultrasensitive photoelectrochemical bioanalysis strategy for tumor markers based on the significantly enhanced signal of a bismuth oxyiodine microsphere/graphitic carbon nitride composite. <i>Analyst, The</i> , 2018, 143, 1775-1779.	3.5	9
128	Disordered photonics coupled with embedded nano-Au plasmonics inducing efficient photocurrent enhancement. <i>Talanta</i> , 2018, 176, 428-436.	5.5	7
129	Ultrasensitive determination of intracellular hydrogen peroxide by equipping quantum dots with a sensing layer via self-passivation. <i>Nano Research</i> , 2022, 15, 4350-4356.	10.4	7
130	Endonuclease cleavage combined with horseradish peroxidase-assisted signal amplification for electrochemical monitoring of DNA. <i>Electrochemistry Communications</i> , 2012, 22, 133-136.	4.7	6
131	Small-sized Ag nanocrystals: high yield synthesis in a solid-liquid phase system, growth mechanism and their successful application in the Sonogashira reaction. <i>RSC Advances</i> , 2012, 2, 6061.	3.6	6
132	Correction to Two-Dimensional Tin Selenide Nanostructures for Flexible All-Solid-State Supercapacitors. <i>ACS Nano</i> , 2014, 8, 6509-6509.	14.6	6
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