

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
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times ranked

11512
citing authors

#	ARTICLE	IF	CITATIONS
1	CuO/Ag ₂ S/CuS Nanohybridsâ€ Integrated Photoelectric and Photothermal Effects for Ultrasensitive Detection of Inorganic Pyrophosphatase. <i>Advanced Functional Materials</i> , 2022, 32, 2106854.	14.9	19
2	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
3	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
4	Oxygen-Vacancy-Rich NiMnZn-Layered Double Hydroxide Nanosheets Married with Mo ₂ CT _x MXene for High-Efficiency All-Solid-State Hybrid Supercapacitors. <i>ACS Applied Energy Materials</i> , 2022, 5, 3346-3358.	5.1	17
5	An enzyme cascade sensor with resistance to the inherent intermediate product by logic-controlled peroxidase mimic catalysis. <i>Chemical Communications</i> , 2021, 57, 2089-2092.	4.1	1
6	A versatile switchable dual-modal colorimetric and photoelectrochemical biosensing strategy <i>via</i> light-controlled sway of a signal-output transverter. <i>Chemical Communications</i> , 2021, 57, 3223-3226.	4.1	14
7	Applications of DNA-nanozyme-based sensors. <i>Analyst, The</i> , 2021, 146, 1127-1141.	3.5	24
8	Macaroniâ€ Like Blueâ€ Gray Nb ₂ O ₅ Nanotubes for Highâ€ Reversible Lithiumâ€ Ion Storage. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100028.	5.8	6
9	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
10	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
11	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
12	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
13	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
14	Coâ€ Quenching Effect between Lanthanum Metalâ€ Organic Frameworks Luminophore and Crystal Violet for Enhanced Electrochemiluminescence Gene Detection. <i>Small</i> , 2021, 17, e2103424.	10.0	18
15	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
16	Nanostructured metal chalcogenides confined in hollow structures for promoting energy storage. <i>Nanoscale Advances</i> , 2020, 2, 583-604.	4.6	18
17	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
18	Bimetallic metalâ€ 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

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19	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
20	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
21	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
22	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
23	Versatile Synthesis of Pd ⁿ 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
24	Quantification of cyclic DNA polymerization with lanthanide coordination nanomaterials for liquid biopsy. <i>Chemical Science</i> , 2020, 11, 3745-3751.	7.4	25
25	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
26	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
27	Sensitive determination of formamidopyrimidine DNA glucosylase based on phosphate group-modulated multi-enzyme catalysis and fluorescent copper nanoclusters. <i>Analyst, The</i> , 2020, 145, 5174-5179.	3.5	5
28	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
29	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
30	Colloidal-sized zirconium porphyrin metal-organic frameworks with improved peroxidase-mimicking catalytic activity, stability and dispersity. <i>Analyst, The</i> , 2020, 145, 3002-3008.	3.5	16
31	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
32	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
33	A facile and sensitive colorimetric detection for RNase A activity based on target regulated protection effect on plasmonic gold nanoparticles aggregation. <i>Science China Chemistry</i> , 2020, 63, 860-864.	8.2	4
34	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
35	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
36	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

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37	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
38	Simulated enzyme inhibition-based strategy for ultrasensitive colorimetric biothiols detection based on nanoperoxidases. <i>Chemical Communications</i> , 2019, 55, 11543-11546.	4.1	4
39	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
40	Mild Hyperthermia-Enhanced Enzyme-Mediated Tumor Cell Chemodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23065-23071.	8.0	77
41	Graphene Oxide-Assisted and DNA-Modulated SERS of AuCu Alloy for the Fabrication of Apurinic/Apyrimidinic Endonuclease I Biosensor. <i>Small</i> , 2019, 15, e1901506.	10.0	23
42	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
43	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
44	2D Electron Gas and Oxygen Vacancy Induced High Oxygen Evolution Performances for Advanced Co ₃ O ₄ /CeO ₂ Nanohybrids. <i>Advanced Materials</i> , 2019, 31, e1900062.	21.0	242
45	Catalytic Hydrogenation of Nitrophenols by Cubic and Hexagonal Phase Unsupported Ni Nanocrystals. <i>ChemistrySelect</i> , 2019, 4, 42-48.	1.5	10
46	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
47	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
48	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
49	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
50	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
51	Ru Modulation Effects in the Synthesis of Unique Rod-like Ni@Ni ₂ P-Ru Heterostructures and Their Remarkable Electrocatalytic Hydrogen Evolution Performance. <i>Journal of the American Chemical Society</i> , 2018, 140, 2731-2734.	13.7	326
52	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
53	Electrochemiluminescence for Electric-Driven Antibacterial Therapeutics. <i>Journal of the American Chemical Society</i> , 2018, 140, 2284-2291.	13.7	180
54	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

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55	A "Signal On" 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
56	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
57	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
58	Defect-Rich Ni ₃ FeN Nanocrystals Anchored on N-Doped Graphene for Enhanced Electrocatalytic Oxygen Evolution. <i>Advanced Functional Materials</i> , 2018, 28, 1706018.	14.9	169
59	Disordered photonics coupled with embedded nano-Au plasmonics inducing efficient photocurrent enhancement. <i>Talanta</i> , 2018, 176, 428-436.	5.5	7
60	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
61	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
62	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
63	A novel electrochemiluminescence biosensor based on S-doped yttrium oxide ultrathin nanosheets for the detection of anti-Dig antibodies. <i>Analyst, The</i> , 2018, 143, 2997-3000.	3.5	4
64	Selective photoelectrochemical architectures for biosensing: Design, mechanism and responsibility. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 470-483.	11.4	97
65	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
66	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
67	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
68	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
69	3D Porous Nanoarchitectures Derived from SnS/S-Doped Graphene Hybrid Nanosheets for Flexible All-Solid-State Supercapacitors. <i>Small</i> , 2017, 13, 1603494.	10.0	55
70	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
71	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
72	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

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73	Photoelectrochemical Bioanalysis Platform for Cells Monitoring Based on Dual Signal Amplification Using In Situ Generation of Electron Acceptor Coupled with Heterojunction. ACS Applied Materials & Interfaces, 2017, 9, 22289-22297.	8.0	62
74	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. Angewandte Chemie - International Edition, 2017, 56, 10471-10475.	13.8	84
75	Sequence and Structure Dual-Dependent Interaction between Small Molecules and DNA for the Detection of Residual Silver Ions in As-Prepared Silver Nanomaterials. Analytical Chemistry, 2017, 89, 6815-6820.	6.5	23
76	Controllable Mn-doped ZnO nanorods for direct assembly of a photoelectrochemical aptasensor. Analyst, The, 2017, 142, 2177-2184.	3.5	10
77	Supercapacitors: 3D Porous Nanoarchitectures Derived from SnS/S-doped Graphene Hybrid Nanosheets for Flexible All-Solid-State Supercapacitors (Small 12/2017). Small, 2017, 13, .	10.0	0
78	Facile Synthesis of Mo ₂ C Nanocrystals Embedded in Nanoporous Carbon Network for Efficient Hydrogen Evolution. Chinese Journal of Chemistry, 2017, 35, 911-917.	4.9	12
79	Cucurbituril and Azide Cofunctionalized Graphene Oxide for Ultrasensitive Electro-Click Biosensing. Analytical Chemistry, 2017, 89, 12237-12243.	6.5	29
80	Significantly Enhanced Hydrogen Evolution Activity of Freestanding Pd-Ru Distorted Icosahedral Clusters with less than 600 Atoms. Chemistry - A European Journal, 2017, 23, 18203-18207.	3.3	24
81	Cesium Lead Halide Perovskite Quantum Dots as a Photoluminescence Probe for Metal Ions. Advanced Materials, 2017, 29, 1700150.	21.0	112
82	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. Angewandte Chemie, 2017, 129, 10607-10611.	2.0	19
83	Preparation of Reactive Oligo(<i>p</i> -Phenylene Vinylene) Materials for Spatial Profiling of the Chemical Reactivity of Intracellular Compartments. Advanced Materials, 2016, 28, 3749-3754.	21.0	18
84	A label-free fluorescent adenosine triphosphate biosensor via overhanging aptamer-triggered enzyme protection and target recycling amplification. Analyst, The, 2016, 141, 4006-4009.	3.5	4
85	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. Inorganic Chemistry Frontiers, 2016, 3, 1501-1509.	6.0	69
86	Dual Signal Amplification Using Gold Nanoparticles-Enhanced Zinc Selenide Nanoflakes and P19 Protein for Ultrasensitive Photoelectrochemical Biosensing of MicroRNA in Cell. Analytical Chemistry, 2016, 88, 10459-10465.	6.5	85
87	Coralloid Co ₂ P ₂ O ₇ Nanocrystals Encapsulated by Thin Carbon Shells for Enhanced Electrochemical Water Oxidation. ACS Applied Materials & Interfaces, 2016, 8, 22534-22544.	8.0	91
88	Electrochemical Immunoassays Based on Graphene: A Review. Electroanalysis, 2016, 28, 4-12.	2.9	34
89	A localized surface plasmon resonance-enhanced photoelectrochemical biosensing strategy for highly sensitive and scatheless cell assay under red light excitation. Chemical Communications, 2016, 52, 11799-11802.	4.1	45
90	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

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91	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
92	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
93	An Improved Ultrasensitive Enzyme-Linked Immunosorbent Assay Using Hydrangea-Like Antibody-Enzyme-Inorganic Three-in-One Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6329-6335.	8.0	104
94	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
95	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
96	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
97	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
98	Five-Fold Twinned Pd ₂ NiAg Nanocrystals with Increased Surface Ni Site Availability to Improve Oxygen Reduction Activity. <i>Journal of the American Chemical Society</i> , 2015, 137, 2820-2823.	13.7	100
99	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
100	Co ₃ S ₄ porous nanosheets embedded in graphene sheets as high-performance anode materials for lithium and sodium storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6787-6791.	10.3	247
101	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
102	A nanoscaled Au-horseradish peroxidase composite fabricated by an interface reaction and its characterization, immobilization and biosensing. <i>Analytical Methods</i> , 2015, 7, 3466-3471.	2.7	1
103	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
104	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
105	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
106	Fluorine-Doped Carbon Particles Derived from Lotus Petioles as High-Performance Anode Materials for Sodium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21336-21344.	3.1	158
107	Ultrasensitive electrochemical biosensing for DNA using quantum dots combined with restriction endonuclease. <i>Analyt. The</i> , 2015, 140, 506-511.	3.5	29
108	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

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109	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
110	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
111	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
112	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
113	A selenium-confined microporous carbon cathode for ultrastable lithium-selenium batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17735-17739.	10.3	117
114	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
115	Correction to Two-Dimensional Tin Selenide Nanostructures for Flexible All-Solid-State Supercapacitors. <i>ACS Nano</i> , 2014, 8, 6509-6509.	14.6	6
116	Metal-organic framework templated nitrogen and sulfur co-doped porous carbons as highly efficient metal-free electrocatalysts for oxygen reduction reactions. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6316-6319.	10.3	179
117	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
118	Two-Dimensional Tin Selenide Nanostructures for Flexible All-Solid-State Supercapacitors. <i>ACS Nano</i> , 2014, 8, 3761-3770.	14.6	322
119	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
120	Electrochemical monitoring of an important biomarker and target protein: VEGFR2 in cell lysates. <i>Scientific Reports</i> , 2014, 4, 3982.	3.3	28
121	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
122	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
123	Wet milled synthesis of an Sb/MWCNT nanocomposite for improved sodium storage. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13727.	10.3	188
124	Gold-antibody nanocomposite thin film fabricated by a liquid-liquid interface technique and its application for the sensitive immunoassay of alpha-fetoprotein. <i>Analytical Methods</i> , 2013, 5, 1909.	2.7	5
125	Using Graphene-Based Plasmonic Nanocomposites to Quench Energy from Quantum Dots for Signal-On Photoelectrochemical Aptasensing. <i>Analytical Chemistry</i> , 2013, 85, 11720-11724.	6.5	108
126	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

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127	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
128	Gram-scale Synthesis of Multipod Pd Nanocrystals by a Simple Solid-Liquid Phase Reaction and Their Remarkable Electrocatalytic Properties. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3740-3746.	2.0	4
129	Electrochemiluminescence of CdSe quantum dots for highly sensitive competitive immunosensing. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 271-276.	7.8	23
130	CdSe quantum dots as labels for sensitive immunoassay of cancer biomarker proteins by electrogenerated chemiluminescence. <i>Analyt. Chem.</i> , 2011, 136, 5197.	3.5	28
131	Nanostructured FeS as a Mimic Peroxidase for Biocatalysis and Biosensing. <i>Chemistry - A European Journal</i> , 2009, 15, 4321-4326.	3.3	291
132	Immobilization and direct electrochemistry of glucose oxidase on a tetragonal pyramid-shaped porous ZnO nanostructure for a glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1286-1291.	10.1	139
133	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
134	A bienzyme channeling glucose sensor with a wide concentration range based on co-entrapment of enzymes in SBA-15 mesopores. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1070-1076.	10.1	100
135	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
136	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
137	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
138	Low Potential Detection of NADH at Titanium-Containing MCM-41-Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2007, 19, 604-607.	2.9	27
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140	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
141	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
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