

# Shaojun Dong

## List of Publications by Year in descending order

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889  
papers

65,816  
citations

589

121  
h-index

1558

210  
g-index

896  
all docs

896  
docs citations

896  
times ranked

42628  
citing authors

#	ARTICLE	IF	CITATIONS
1	A facile, low-cost bimetallic iron-nickel MOF nanozyme-propelled ratiometric fluorescent sensor for highly sensitive and selective uric acid detection and its smartphone application. <i>Nanoscale</i> , 2024, 16, 1394-1405.	5.6	7
2	A wearable electrostimulation-augmented ionic-gel photothermal patch doped with MXene for skin tumor treatment. <i>Nature Communications</i> , 2024, 15, .	12.8	6
3	Nanozymes. <i>Advanced Materials</i> , 2024, 36, .	23.6	4
4	Cell Wall Binding Strategies Based on Cu <sub>3</sub> SbS <sub>3</sub> Nanoparticles for Selective Bacterial Elimination and Promotion of Infected Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , 2024, 16, 33038-33052.	8.1	0
5	Biosensors: Microbial Sensors. , 2023, , 405-419.		2
6	Recent Advances on Nanozyme-based Electrochemical Biosensors. <i>Electroanalysis</i> , 2023, 35, .	3.0	16
7	Application study of RGB color extraction in water toxicity detection. <i>Bioelectrochemistry</i> , 2023, 149, 108270.	4.7	2
8	Bifunctional bio-photoelectrochemical cells: a trading platform for simultaneous production of electric power and hydrogen peroxide. <i>Journal of Materials Chemistry A</i> , 2023, 11, 600-608.	10.3	5
9	Dual-Function Self-Powered Electrochromic Batteries with Energy Storage and Display Enabled by Potential Difference. <i>ACS Energy Letters</i> , 2023, 8, 306-313.	17.8	23
10	A New Fluorescent Probe Tool: ERNathG. <i>Analytical Chemistry</i> , 2023, 95, 4261-4265.	6.6	3
11	Glucose Oxidase-like Rhodium Single-Atom Nanozymes: A Mimic Platform for Biometabolism and Electrometabolism of Glucose Oxidation at Neutral pH. <i>ACS Energy Letters</i> , 2023, 8, 1697-1704.	17.8	13
12	Hyphenated DEMS and ATR-SEIRAS techniques for <i>in situ</i> multidimensional analysis of lithium-ion batteries and beyond. <i>Journal of Chemical Physics</i> , 2023, 158, .	2.9	7
13	Identifying the active sites in unequal iron-nitrogen single-atom catalysts. <i>Nature Communications</i> , 2023, 14, .	12.8	12
14	Deep eutectic solvent assisted facile synthesis of low-dimensional hierarchical porous high-entropy oxides. <i>Nano Research</i> , 2022, 15, 2756-2763.	10.3	33
15	Bubble-templated synthesis of nanocatalyst Co/C as NADH oxidase mimic. <i>National Science Review</i> , 2022, 9, nwab186.	9.2	31
16	Highly efficient disinfection based on multiple enzyme-like activities of Cu <sub>3</sub> P nanoparticles: A catalytic approach to impede antibiotic resistance. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 121017.	20.2	34
17	Reversible inhibition of the oxidase-like activity of Fe single-atom nanozymes for drug detection. <i>Chemical Science</i> , 2022, 13, 4566-4572.	7.5	53
18	A Self-powered Glucose Biosensor Based on Mediator-free Hybrid Cu/Glucose Biofuel Cell for Flow Sensing of Glucose. <i>Electroanalysis</i> , 2022, 34, 1953-1960.	3.0	5

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19	Interfacial Electron Regulation of Rh Atomic Layer-Decorated SnO <sub>2</sub> Heterostructures for Enhancing Electrocatalytic Nitrogen Reduction. ACS Applied Materials & Interfaces, 2022, 14, 12304-12313.	8.1	13
20	Recent advances in microbial fuel cell-based toxicity biosensors: Strategies for enhanced toxicity response. Current Opinion in Electrochemistry, 2022, 34, 100975.	5.1	12
21	Engineering DNA logic systems with non-canonical DNA-nanostructures: basic principles, recent developments and bio-applications. Science China Chemistry, 2022, 65, 284-297.	8.5	13
22	A hybrid bioelectrochemical device based on glucose/O <sub>2</sub> enzymatic biofuel cell for energy conversion and storage. Electrochimica Acta, 2022, 420, 140440.	5.3	20
23	Recent advancements in coralyne (COR)-based biosensors: Basic principles, various strategies and future perspectives. Biosensors and Bioelectronics, 2022, 210, 114343.	10.2	15
24	Kinetically restrained oxygen reduction to hydrogen peroxide with nearly 100% selectivity. Nature Communications, 2022, 13, .	12.8	53
25	Electrochemical Lithium Intercalation into Graphite in a Mixed Glymeâ€“Propylene Carbonate Electrolyte. Journal of Physical Chemistry C, 2022, 126, 10977-10985.	3.2	3
26	Platinumâ€“Gold Alloy Catalyzes the Aerobic Oxidation of Formic Acid for Hydrogen Peroxide Synthesis. Angewandte Chemie - International Edition, 2022, 61, .	14.2	12
27	Beyond Photosynthesis: H <sub>2</sub> O/H <sub>2</sub> O <sub>2</sub> /O <sub>2</sub> Self-Circulation-Based Biohybrid Photoelectrochemical Cells for Direct and Sustainable Solar-to-Fuel-to-Electric Power Conversion. Journal of the American Chemical Society, 2022, 144, 23073-23080.	14.1	16
28	Specific Nanodrug for Diabetic Chronic Wounds Based on Antioxidase-Mimicking MOF-818 Nanozymes. Journal of the American Chemical Society, 2022, 144, 23438-23447.	14.1	111
29	A mediator-free self-powered glucose biosensor based on a hybrid glucose/MnO <sub>2</sub> enzymatic biofuel cell. Nano Research, 2021, 14, 707-714.	10.3	26
30	Achieving ultrahigh electrocatalytic NH <sub>3</sub> yield rate on Fe-doped Bi <sub>2</sub> WO <sub>6</sub> electrocatalyst. Nano Research, 2021, 14, 2711-2716.	10.3	35
31	Low-Noise Solid-State Nanopore Enhancing Direct Label-Free Analysis for Small Dimensional Assemblies Induced by Specific Molecular Binding. ACS Applied Materials & Interfaces, 2021, 13, 9482-9490.	8.1	20
32	Deep eutectic solvent assisted zero-waste electrospinning of lignin fiber aerogels. Green Chemistry, 2021, 23, 6065-6075.	9.1	19
33	Co <sub>0.7</sub> Fe <sub>0.3</sub> NPs confined in yolkâ€“shell N-doped carbon: engineering multi-beaded fibers as an efficient bifunctional electrocatalyst for Znâ€“air batteries. Nanoscale, 2021, 13, 2609-2617.	5.6	22
34	Interrogating Lithiumâ€“Oxygen Battery Reactions and Chemistry with Isotope-Labeling Techniques: A Mini Review. Energy & Fuels, 2021, 35, 4743-4750.	5.1	13
35	A naked-eye readout self-powered electrochemical biosensor toward indoor formaldehyde: On-site detection and exposure risk warning. Biosensors and Bioelectronics, 2021, 177, 112975.	10.2	23
36	Interfacial Electron Engineering of Palladium and Molybdenum Carbide for Highly Efficient Oxygen Reduction. Journal of the American Chemical Society, 2021, 143, 6933-6941.	14.1	67

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37	Bionic design of cytochrome c oxidase-like single-atom nanozymes for oxygen reduction reaction in enzymatic biofuel cells. <i>Nano Energy</i> , 2021, 83, 105798.	16.0	40
38	Colorimetric and Electrochemical Dual-Signal Method for Water Toxicity Detection Based on <i>Escherichia coli</i> and p-Benzoquinone. <i>ACS Sensors</i> , 2021, 6, 2674-2681.	7.9	24
39	Glucose-oxidase like catalytic mechanism of noble metal nanozymes. <i>Nature Communications</i> , 2021, 12, 3375.	12.8	227
40	Atom-Anchoring Strategy with Metal-Organic Frameworks for Highly Efficient Solid-State Electrochemiluminescence. <i>Analytical Chemistry</i> , 2021, 93, 9628-9633.	6.6	14
41	Nanozymes: A clear definition with fuzzy edges. <i>Nano Today</i> , 2021, 40, 101269.	12.0	372
42	Study on simplified strategies for procedure of rapid detection of water toxicity. <i>Talanta</i> , 2021, 235, 122787.	5.6	5
43	DNA Computing: Versatile Logic Circuits and Innovative Bio-applications. , 2021, , 231-246.		2
44	Safety and efficacy of a iota-carrageenan nasal spray in treatment and prevention of the common cold. <i>Medicine and Pharmacy Reports</i> , 2021, 94, 28-34.	0.6	8
45	Visual detection of the toxicity of wastewater containing heavy metal ions using a microbial fuel cell biosensor with a Prussian blue cathode. <i>Sensors and Actuators B: Chemical</i> , 2020, 302, 127177.	7.9	26
46	Self-dissociation-assembly of ultrathin metal-organic framework nanosheet arrays for efficient oxygen evolution. <i>Nano Energy</i> , 2020, 68, 104296.	16.0	100
47	Coupling Cu with Au for enhanced electrocatalytic activity of nitrogen reduction reaction. <i>Nanoscale</i> , 2020, 12, 1811-1816.	5.6	66
48	Graphitic Carbon Nitride (g-C <sub>3</sub> N <sub>4</sub> )-Derived Bamboo-Like Carbon Nanotubes/Co Nanoparticles Hybrids for Highly Efficient Electrocatalytic Oxygen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 4463-4472.	8.1	117
49	How to Identify the LIVE/DEAD-States of Microbes Related to Biosensing. <i>ACS Sensors</i> , 2020, 5, 258-264.	7.9	11
50	Investigation on the stress response of microbes in acute toxicity assay. <i>Analytica Chimica Acta</i> , 2020, 1099, 46-51.	5.4	7
51	A respiration substrate-less isolation method for acute toxicity assessment. <i>Chemosphere</i> , 2020, 244, 125511.	8.3	7
52	Synthesis of low dimensional hierarchical transition metal oxides via a direct deep eutectic solvent calcining method for enhanced oxygen evolution catalysis. <i>Nanoscale</i> , 2020, 12, 20719-20725.	5.6	20
53	An unexpected discovery of 1,4-benzoquinone as a lipophilic mediator for toxicity detection in water. <i>Analyst</i> , The, 2020, 145, 5266-5272.	3.5	8
54	Ultrastable and ultrasensitive pH-switchable carbon dots with high quantum yield for water quality identification, glucose detection, and two starch-based solid-state fluorescence materials. <i>Nano Research</i> , 2020, 13, 3012-3018.	10.3	51

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55	Atomic engineering of single-atom nanozymes for enzyme-like catalysis. <i>Chemical Science</i> , 2020, 11, 9741-9756.	7.5	172
56	Oxidase-like MOF-818 Nanozyme with High Specificity for Catalysis of Catechol Oxidation. <i>Journal of the American Chemical Society</i> , 2020, 142, 15569-15574.	14.1	322
57	Lithium-Ion-Assisted Ultrafast Charging Double-Electrode Smart Windows with Energy Storage and Display Applications. <i>ACS Central Science</i> , 2020, 6, 2209-2216.	11.7	22
58	A Photoelectrochemical Fuel Cell Based on a CuO Photocathode for Sustainable Resources Utilization. <i>ChemElectroChem</i> , 2020, 7, 4649-4654.	3.4	0
59	Coenzyme-dependent nanozymes playing dual roles in oxidase and reductase mimics with enhanced electron transport. <i>Nanoscale</i> , 2020, 12, 23578-23585.	5.6	17
60	Fabrication of a Novel, Cost-Effective Double-Sided Indium Tin Oxide-Based Nanoribbon Electrode and Its Application of Acute Toxicity Detection in Water. <i>ACS Sensors</i> , 2020, 5, 3923-3929.	7.9	4
61	A comparison study of test organism species and methodologies for combined toxicity assay of copper ions and zinc ions. <i>Environmental Science and Pollution Research</i> , 2020, 27, 45992-46002.	5.2	2
62	Propelling DNA Computing with Materials' Power: Recent Advancements in Innovative DNA Logic Computing Systems and Smart BioApplications. <i>Advanced Science</i> , 2020, 7, 2001766.	12.1	85
63	Co-embedded N-doped hierarchical carbon arrays with boosting electrocatalytic activity for in situ electrochemical detection of H <sub>2</sub> O <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , 2020, 318, 128242.	7.9	32
64	Recent development of biofuel cell based self-powered biosensors. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3393-3407.	5.8	75
65	Synergistic effect between atomically dispersed Fe and Co metal sites for enhanced oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4369-4375.	10.3	109
66	Wavelength-Shift-Based Colorimetric Sensing for Peroxide Number of Edible Oil Using CsPbBr <sub>3</sub> Perovskite Nanocrystals. <i>Analytical Chemistry</i> , 2019, 91, 14183-14187.	6.6	54
67	Self-Rechargeable-Battery-Driven Device for Simultaneous Electrochromic Windows, ROS Biosensing, and Energy Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28072-28077.	8.1	59
68	Self-Organized Back Surface Field to Improve the Performance of Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> Solar Cells by Applying P-Type MoSe <sub>2</sub> :Nb to the Back Electrode Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31851-31859.	8.1	26
69	Self-Indicative Gold Nanozyme for H <sub>2</sub> O <sub>2</sub> and Glucose Sensing. <i>Chemistry - A European Journal</i> , 2019, 25, 11940-11944.	3.8	72
70	Focused Electron Beam-Induced Deposition and Post-Growth Purification Using the Heteroleptic Ru Complex (I <sup>3+</sup> -C <sub>3</sub> H <sub>5</sub> )Ru(CO) <sub>3</sub> Br. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28164-28171.	8.1	17
71	Cobalt doped I <sup>2</sup> -molybdenum carbide nanoparticles encapsulated within nitrogen-doped carbon for oxygen evolution. <i>Chemical Communications</i> , 2019, 55, 9995-9998.	4.1	22
72	A Self-Powered Biosensor with a Flake Electrochromic Display for Electrochemical and Colorimetric Formaldehyde Detection. <i>ACS Sensors</i> , 2019, 4, 2631-2637.	7.9	47

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73	Lignin-Rich Nanocellulose Fibrils Isolated from Parenchyma Cells and Fiber Cells of Western Red Cedar Bark. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15607-15616.	6.7	57
74	Reversible self-powered fluorescent electrochromic windows driven by perovskite solar cells. <i>Chemical Communications</i> , 2019, 55, 12060-12063.	4.1	27
75	Water/Oxygen Circulation-Based Biophotocatalytic System for Solar Energy Storage and Release. <i>Journal of the American Chemical Society</i> , 2019, 141, 16416-16421.	14.1	21
76	DNA-templated silver and silver-based bimetallic clusters with remarkable and sequence-related catalytic activity toward 4-nitrophenol reduction. <i>Chemical Communications</i> , 2019, 55, 373-376.	4.1	28
77	Reversible regulation of CdTe quantum dots fluorescence intensity based on Prussian blue with high anti-fatigue performance. <i>Chemical Communications</i> , 2019, 55, 644-647.	4.1	12
78	<i>In situ</i> reversible color variation of a ready-made upconversion material using the designed component of a three-state fluorescence switching system. <i>Nanoscale</i> , 2019, 11, 3718-3724.	5.6	3
79	Biomimetic design for enhancing the peroxidase mimicking activity of hemin. <i>Nanoscale</i> , 2019, 11, 12603-12609.	5.6	58
80	Deep Eutectic Solvent with Prussian Blue and Tungsten Oxide for Green and Low-Cost Electrochromic Devices. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1038-1045.	4.3	24
81	A Janus-inspired amphichromatic system that kills two birds with one stone for operating a "DNA Janus Logic Pair" (DJLP) library. <i>Chemical Science</i> , 2019, 10, 7290-7298.	7.5	22
82	Single-atom nanozymes. <i>Science Advances</i> , 2019, 5, eaav5490.	10.7	681
83	Bio-inspired nanozyme: a hydratase mimic in a zeolitic imidazolate framework. <i>Nanoscale</i> , 2019, 11, 5960-5966.	5.6	110
84	9. Self-powered electrochemical biosensors. , 2019, , 167-188.		0
85	Hydrothermal synthesis of polydopamine-functionalized cobalt-doped lanthanum nickelate perovskite nanorods for efficient water oxidation in alkaline solution. <i>Nanoscale</i> , 2019, 11, 19579-19585.	5.6	8
86	Upconversion-chameleon-driven DNA computing: the DNA-unlocked inner-filter-effect (DU-IFE) for operating a multicolor upconversion luminescent DNA logic library and Its biosensing application. <i>Materials Horizons</i> , 2019, 6, 375-384.	12.4	31
87	Facile synthesis of Ni based metal-organic frameworks wrapped MnO <sub>2</sub> nanowires with high performance toward electrochemical oxygen evolution reaction. <i>Talanta</i> , 2018, 186, 154-161.	5.6	24
88	Fuel-Free Bio-photoelectrochemical Cells Based on a Water/Oxygen Circulation System with a Ni:FeOOH/BiVO <sub>4</sub> Photoanode. <i>Angewandte Chemie</i> , 2018, 130, 1563-1567.	2.1	10
89	Fuel-Free Bio-photoelectrochemical Cells Based on a Water/Oxygen Circulation System with a Ni:FeOOH/BiVO <sub>4</sub> Photoanode. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1547-1551.	14.2	47
90	The unified ordered mesoporous carbons supported Co-based electrocatalysts for full water splitting. <i>Electrochimica Acta</i> , 2018, 261, 412-420.	5.3	16

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91	Interaction Mode and Regioselectivity in Vitamin B <sub>12</sub> -Dependent Dehalogenation of Aryl Halides by <i>Dehalococcoides mccartyi</i> Strain CBDB1. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1834-1843.	10.2	10
92	Remote C-H Hydroxylation by an Î±-Ketoglutarate-Dependent Dioxygenase Enables Efficient Chemoenzymatic Synthesis of Manzacidin C and Proline Analogs. <i>Journal of the American Chemical Society</i> , 2018, 140, 1165-1169.	14.1	99
93	Recent advances in spectroelectrochemistry. <i>Nanoscale</i> , 2018, 10, 3089-3111.	5.6	112
94	Novel dual fluorescence temperature-sensitive chameleon DNA-templated silver nanocluster pair for intracellular thermometry. <i>Nano Research</i> , 2018, 11, 2012-2023.	10.3	30
95	Porous Co <sub>3</sub> O <sub>4</sub> nanoplates with pH-switchable peroxidase- and catalase-like activity. <i>Nanoscale</i> , 2018, 10, 19140-19146.	5.6	94
96	Preparation, performance, and application of a stable, sensitive and cost-effective microelectrode array. <i>Talanta</i> , 2018, 188, 245-250.	5.6	6
97	Italian Registry of Therapeutic Apheresis. <i>Transfusion and Apheresis Science</i> , 2018, 57, 143-147.	0.9	7
98	A simple, label-free, electrochemical DNA parity generator/checker for error detection during data transmission based on aptamer-nanoclaw-modulated protein steric hindrance. <i>Chemical Science</i> , 2018, 9, 6981-6987.	7.5	35
99	Electrochemical fabrication of nanoporous gold electrodes in a deep eutectic solvent for electrochemical detections. <i>Chemical Communications</i> , 2018, 54, 8853-8856.	4.1	35
100	Prussian blue with intrinsic heme-like structure as peroxidase mimic. <i>Nano Research</i> , 2018, 11, 4905-4913.	10.3	111
101	<i>In situ</i> fabrication of hollow ZnO@NC polyhedra from ZIF-8 for the determination of trace Cd( <sup>sc</sup> ). <i>Analyst</i> , 2018, 143, 2837-2843.	3.5	26
102	One-Pot Synthesis of Fe <sub>3</sub> O <sub>4</sub> Nanoparticle Loaded 3D Porous Graphene Nanocomposites with Enhanced Nanozyme Activity for Glucose Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 7465-7471.	8.1	199
103	Atomistic Origins of Surface Defects in CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Perovskite and Their Electronic Structures. <i>ACS Nano</i> , 2017, 11, 2060-2065.	14.9	128
104	Simple, fast, label-free, and nanoquencher-free system for operating multivalued DNA logic gates using polythymine templated CuNPs as signal reporters. <i>Nano Research</i> , 2017, 10, 2560-2569.	10.3	25
105	In Situ Atomic-Scale Observation of the Two-Dimensional Co(OH) <sub>2</sub> Transition at Atmospheric Pressure. <i>Chemistry of Materials</i> , 2017, 29, 4572-4579.	6.8	26
106	RGO/Au NPs/N-doped CNTs supported on nickel foam as an anode for enzymatic biofuel cells. <i>Biosensors and Bioelectronics</i> , 2017, 97, 34-40.	10.2	46
107	New applications of genetically modified <i>Pseudomonas aeruginosa</i> for toxicity detection in water. <i>Chemosphere</i> , 2017, 184, 106-111.	8.3	21
108	Expanding light utilization to the near-infrared region for hybrid bio-photoelectrochemical cells. <i>Nanoscale</i> , 2017, 9, 9404-9410.	5.6	4

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109	One-step synthesis of functional pNR/rGO composite as a building block for enhanced ascorbic acid biosensing. <i>Analytica Chimica Acta</i> , 2017, 981, 34-40.	5.4	12
110	Toxicity detection in water containing heavy metal ions with a self-powered microbial fuel cell-based biosensor. <i>Talanta</i> , 2017, 168, 210-216.	5.6	132
111	Nitrogen-doped carbon encapsulating $\text{I}^3\text{-MoC/Ni}$ heterostructures for efficient oxygen evolution electrocatalysts. <i>Nanoscale</i> , 2017, 9, 5583-5588.	5.6	70
112	Exploiting Polydopamine Nanospheres to DNA Computing: A Simple, Enzyme-Free and G-Quadruplex-Free DNA Parity Generator/Checker for Error Detection during Data Transmission. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 1322-1330.	8.1	41
113	Tyramine Hydrochloride Based Label-Free System for Operating Various DNA Logic Gates and a DNA Caliper for Base Number Measurements. <i>ChemPhysChem</i> , 2017, 18, 1767-1772.	2.3	12
114	Sensitive and Fast Humidity Sensor Based on A Redox Conducting Supramolecular Ionic Material for Respiration Monitoring. <i>Analytical Chemistry</i> , 2017, 89, 996-1001.	6.6	41
115	A Multicolor Chameleon DNA-templated Silver Nanocluster and Its Application for Ratiometric Fluorescence Target Detection with Exponential Signal Response. <i>Advanced Functional Materials</i> , 2017, 27, 1704092.	16.0	62
116	Single Walled Carbon Nanotube Based Air Pocket Encapsulated Ultraviolet Sensor. <i>ACS Sensors</i> , 2017, 2, 1679-1683.	7.9	27
117	Composite Hydrogels Containing Bioactive Microreactors for Optical Enzymatic Lactate Sensing. <i>ACS Sensors</i> , 2017, 2, 1584-1588.	7.9	38
118	A new AgNC fluorescence regulation mechanism caused by coiled DNA and its applications in constructing molecular beacons with low background and large signal enhancement. <i>Chemical Communications</i> , 2017, 53, 12290-12293.	4.1	13
119	Single wearable sensing energy device based on photoelectric biofuel cells for simultaneous analysis of perspiration and illuminance. <i>Nanoscale</i> , 2017, 9, 11846-11850.	5.6	38
120	In situ synthesis of ultrathin metal-organic framework nanosheets: a new method for 2D metal-based nanoporous carbon electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18610-18617.	10.3	170
121	Transformation of homobimetallic MOFs into nickel-cobalt phosphide/nitrogen-doped carbon polyhedral nanocages for efficient oxygen evolution electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18839-18844.	10.3	102
122	An intelligent universal system yields double results with half the effort for engineering a DNA -Contrary Logic Pairs-library and various DNA combinatorial logic circuits. <i>Materials Horizons</i> , 2017, 4, 924-931.	12.4	40
123	GOx@ZIF-8(NiPd) Nanoflower: An Artificial Enzyme System for Tandem Catalysis. <i>Angewandte Chemie</i> , 2017, 129, 16298-16301.	2.1	67
124	GOx@ZIF-8(NiPd) Nanoflower: An Artificial Enzyme System for Tandem Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16082-16085.	14.2	341
125	Introducing Ratiometric Fluorescence to MnO <sub>2</sub> Nanosheet-Based Biosensing: A Simple, Label-Free Ratiometric Fluorescent Sensor Programmed by Cascade Logic Circuit for Ultrasensitive GSH Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 25870-25877.	8.1	178
126	Recent Advances in Analytical Chemistry by 3D Printing. <i>Analytical Chemistry</i> , 2017, 89, 57-70.	6.6	272

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127	A DNA-based parity generator/checker for error detection through data transmission with visual readout and an output-correction function. <i>Chemical Science</i> , 2017, 8, 1888-1895.	7.5	53
128	Cascaded multiple amplification strategy for ultrasensitive detection of HIV/HCV virus DNA. <i>Biosensors and Bioelectronics</i> , 2017, 87, 116-121.	10.2	48
129	One-step synthesis of ultrathin Pt <sub>x</sub> Pb nerve-like nanowires as robust catalysts for enhanced methanol electrooxidation. <i>Nanoscale</i> , 2017, 9, 201-207.	5.6	88
130	Microelectrodes Integrated into a Microfluidic Chip for the Detection of CCRFâ€CEM Cells Based on the Electrochemical Oxidation of Hydrazine. <i>ChemElectroChem</i> , 2016, 3, 2008-2011.	3.4	4
131	A label-free and enzyme-free system for operating various logic devices using poly(thymine)-templated CuNPs and SYBR Green I as signal transducers. <i>Nanoscale</i> , 2016, 8, 14243-14249.	5.6	24
132	Automatic illumination compensation device based on a photoelectrochemical biofuel cell driven by visible light. <i>Nanoscale</i> , 2016, 8, 9004-9008.	5.6	14
133	A high performance fluorescence switching system triggered electrochemically by Prussian blue with upconversion nanoparticles. <i>Nanoscale</i> , 2016, 8, 9493-9497.	5.6	14
134	Demonstration study of biofilm reactor based rapid biochemical oxygen demand determination of surface water. <i>Sensing and Bio-Sensing Research</i> , 2016, 8, 8-13.	4.3	14
135	Photoenergy storage and power amplification strategy in membrane-less photoelectrochemical biofuel cells. <i>Chemical Communications</i> , 2016, 52, 6716-6719.	4.1	10
136	Polydopamine Nanotubes as an Effective Fluorescent Quencher for Highly Sensitive and Selective Detection of Biomolecules Assisted with Exonuclease III Amplification. <i>Analytical Chemistry</i> , 2016, 88, 9158-9165.	6.6	81
137	Accurate and visual discrimination of single-base mismatch by utilization of binary DNA probes in gold nanoparticles-based biosensing strategy. <i>Talanta</i> , 2016, 161, 528-534.	5.6	8
138	Transitionâ€Metal (Co, Ni, and Fe)â€Based Electrocatalysts for the Water Oxidation Reaction. <i>Advanced Materials</i> , 2016, 28, 9266-9291.	23.6	1,458
139	Coreâ€Shellâ€Structured Tungsten Carbide Encapsulated within Nitrogenâ€Doped Carbon Spheres for Enhanced Hydrogen Evolution. <i>ChemSusChem</i> , 2016, 9, 2784-2787.	7.2	36
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567	Synthesis of tellurium nanorods via spontaneous oxidation of NaHTe at room temperature. <i>Chemical Physics Letters</i> , 2004, 395, 302-305.	2.6	23
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582	Electrochemical behavior of Keggin-type nanoparticles, Co(en) <sub>3</sub> (PMo <sub>12</sub> O <sub>40</sub> ), in polyethylene glycol. <i>Journal of Solid State Electrochemistry</i> , 2003, 7, 337-343.	2.5	2
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599	Hydrogen peroxide biosensor based on microperoxidase-11 entrapped in lipid membrane. <i>Biosensors and Bioelectronics</i> , 2003, 18, 1225-1230.	10.2	49
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671	Amperometric enzyme electrode for the determination of hydrogen peroxide based on sol-gel/hydrogel composite film. <i>Analytica Chimica Acta</i> , 2000, 407, 111-118.	5.4	123
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