Xue-Ji Zhang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	MicroRNA: Function, Detection, and Bioanalysis. Chemical Reviews, 2013, 113, 6207-6233.	47.7	1,006
2	Biodegradable Biomimic Copper/Manganese Silicate Nanospheres for Chemodynamic/Photodynamic Synergistic Therapy with Simultaneous Glutathione Depletion and Hypoxia Relief. ACS Nano, 2019, 13, 4267-4277.	14.6	513
3	Measurement of Nitric Oxide Production in Biological Systems by Using Griess Reaction Assay. Sensors, 2003, 3, 276-284.	3.8	491
4	Erythrocyte–Cancer Hybrid Membrane Camouflaged Hollow Copper Sulfide Nanoparticles for Prolonged Circulation Life and Homotypic-Targeting Photothermal/Chemotherapy of Melanoma. ACS Nano, 2018, 12, 5241-5252.	14.6	378
5	An open source and reduce expenditure ROS generation strategy for chemodynamic/photodynamic synergistic therapy. Nature Communications, 2020, 11, 1735.	12.8	343
6	Dualâ€Scaled Porous Nitrocellulose Membranes with Underwater Superoleophobicity for Highly Efficient Oil/Water Separation. Advanced Materials, 2014, 26, 1771-1775.	21.0	311
7	Fuelâ€Free Synthetic Microâ€/Nanomachines. Advanced Materials, 2017, 29, 1603250.	21.0	310
8	Fluorescent MoS ₂ Quantum Dots: Ultrasonic Preparation, Up-Conversion and Down-Conversion Bioimaging, and Photodynamic Therapy. ACS Applied Materials & Interfaces, 2016, 8, 3107-3114.	8.0	267
9	Reversible Swarming and Separation of Self-Propelled Chemically Powered Nanomotors under Acoustic Fields. Journal of the American Chemical Society, 2015, 137, 2163-2166.	13.7	258
10	Highly Sensitive Multiple microRNA Detection Based on Fluorescence Quenching of Graphene Oxide and Isothermal Strand-Displacement Polymerase Reaction. Analytical Chemistry, 2012, 84, 4587-4593.	6.5	247
11	Metal–Organic Framework Nanoshuttle for Synergistic Photodynamic and Lowâ€Temperature Photothermal Therapy. Advanced Functional Materials, 2018, 28, 1804634.	14.9	238
12	Enzyme-powered Janus platelet cell robots for active and targeted drug delivery. Science Robotics, 2020, 5, .	17.6	236
13	Mesoporous silica nanoparticles with organo-bridged silsesquioxane framework as innovative platforms for bioimaging and therapeutic agent delivery. Biomaterials, 2016, 91, 90-127.	11.4	224
14	Engineered Exosome-Mediated Near-Infrared-II Region V ₂ C Quantum Dot Delivery for Nucleus-Target Low-Temperature Photothermal Therapy. ACS Nano, 2019, 13, 1499-1510.	14.6	218
15	Multifunctional conductive hydrogel-based flexible wearable sensors. TrAC - Trends in Analytical Chemistry, 2021, 134, 116130.	11.4	207
16	Ethylenediamine-assisted hydrothermal synthesis of nitrogen-doped carbon quantum dots as fluorescent probes for sensitive biosensing and bioimaging. Sensors and Actuators B: Chemical, 2015, 218, 229-236.	7.8	206
17	Potential Oxidative Stress of Gold Nanoparticles by Induced-NO Releasing in Serum. Journal of the American Chemical Society, 2009, 131, 40-41.	13.7	198
18	Layered nanofiber sponge with an improved capacity for promoting blood coagulation and wound healing. Biomaterials, 2019, 204, 70-79.	11.4	192

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19	Detection of NADH and Ethanol Based on Catalytic Activity of Soluble Carbon Nanofiber with Low Overpotential. Analytical Chemistry, 2007, 79, 453-458.	6.5	190
20	Biocompatible Conductive Architecture of Carbon Nanofiber-Doped Chitosan Prepared with Controllable Electrodeposition for Cytosensing. Analytical Chemistry, 2007, 79, 4442-4447.	6.5	189
21	Ultrasensitive nucleic acid biosensor based on enzyme–gold nanoparticle dual label and lateral flow strip biosensor. Biosensors and Bioelectronics, 2011, 26, 2018-2024.	10.1	186
22	Ultrasound propulsion of micro-/nanomotors. Applied Materials Today, 2017, 9, 493-503.	4.3	182
23	Dumbbell-shaped carbon quantum dots/AuNCs nanohybrid as an efficient ratiometric fluorescent probe for sensing cadmium (II) ions and l-ascorbic acid. Carbon, 2016, 96, 1034-1042.	10.3	180
24	Aptamer-Conjugated Graphene Quantum Dots/Porphyrin Derivative Theranostic Agent for Intracellular Cancer-Related MicroRNA Detection and Fluorescence-Guided Photothermal/Photodynamic Synergetic Therapy. ACS Applied Materials & Interfaces, 2017, 9, 159-166.	8.0	180
25	Trace and Label-Free MicroRNA Detection Using Oligonucleotide Encapsulated Silver Nanoclusters as Probes. Analytical Chemistry, 2012, 84, 8670-8674.	6.5	179
26	Tunable Fabrication of Molybdenum Disulfide Quantum Dots for Intracellular MicroRNA Detection and Multiphoton Bioimaging. Small, 2015, 11, 4158-4164.	10.0	178
27	Cobalt and Copper Hexacyanoferrate Modified Carbon Fiber Microelectrode as an All-Solid Potentiometric Microsensor for Hydrazine. Electroanalysis, 2000, 12, 48-54.	2.9	177
28	Ultrasound-Modulated Bubble Propulsion of Chemically Powered Microengines. Journal of the American Chemical Society, 2014, 136, 8552-8555.	13.7	177
29	Microfluidic Chip-Based Wearable Colorimetric Sensor for Simple and Facile Detection of Sweat Glucose. Analytical Chemistry, 2019, 91, 14803-14807.	6.5	176
30	Nacre-Inspired Design of Mechanical Stable Coating with Underwater Superoleophobicity. ACS Nano, 2013, 7, 5077-5083.	14.6	172
31	Graphene quantum dots induce apoptosis, autophagy, and inflammatory response via p38 mitogen-activated protein kinase and nuclear factor-I®B mediated signaling pathways in activated THP-1 macrophages. Toxicology, 2015, 327, 62-76.	4.2	167
32	Unlocking the Electrocatalytic Activity of Antimony for CO ₂ Reduction by Twoâ€Đimensional Engineering of the Bulk Material. Angewandte Chemie - International Edition, 2017, 56, 14718-14722.	13.8	164
33	Multiscale Disordered Porous Fibers for Self-Sensing and Self-Cooling Integrated Smart Sportswear. ACS Nano, 2020, 14, 559-567.	14.6	162
34	Self-Powered Triboelectric Nanosensor with Poly(tetrafluoroethylene) Nanoparticle Arrays for Dopamine Detection. ACS Nano, 2015, 9, 8376-8383.	14.6	161
35	A Cloud-Based Car Parking Middleware for IoT-Based Smart Cities: Design and Implementation. Sensors, 2014, 14, 22372-22393.	3.8	156
36	Three-dimensional Nitrogen-Doped Graphene Supported Molybdenum Disulfide Nanoparticles as an Advanced Catalyst for Hydrogen Evolution Reaction. Scientific Reports, 2015, 5, 17542.	3.3	156

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37	Nanomedicine: Magnetic Nanoparticles and their Biomedical Applications. Current Medicinal Chemistry, 2010, 17, 3120-3141.	2.4	155
38	Artificial intelligence biosensors: Challenges and prospects. Biosensors and Bioelectronics, 2020, 165, 112412.	10.1	153
39	Electronic Structure Engineering of Cu2O Film/ZnO Nanorods Array All-Oxide p-n Heterostructure for Enhanced Photoelectrochemical Property and Self-powered Biosensing Application. Scientific Reports, 2015, 5, 7882.	3.3	151
40	Disulfideâ€Bridged Organosilica Frameworks: Designed, Synthesis, Redoxâ€Triggered Biodegradation, and Nanobiomedical Applications. Advanced Functional Materials, 2018, 28, 1707325.	14.9	150
41	Zirconium-Based Porphyrinic Metal–Organic Framework (PCN-222): Enhanced Photoelectrochemical Response and Its Application for Label-Free Phosphoprotein Detection. Analytical Chemistry, 2016, 88, 11207-11212.	6.5	146
42	Electrochemical hydrogen sulfide biosensors. Analyst, The, 2016, 141, 1185-1195.	3.5	143
43	Enhanced cancer therapy by hypoxia-responsive copper metal-organic frameworks nanosystem. Biomaterials, 2020, 258, 120278.	11.4	140
44	Functionalized Graphene Oxide Mediated Adriamycin Delivery and miR-21 Gene Silencing to Overcome Tumor Multidrug Resistance In Vitro. PLoS ONE, 2013, 8, e60034.	2.5	140
45	Flexible and Superwettable Bands as a Platform toward Sweat Sampling and Sensing. Analytical Chemistry, 2019, 91, 4296-4300.	6.5	136
46	Recent Progress on Smart Fiber and Textile Based Wearable Strain Sensors: Materials, Fabrications and Applications. Advanced Fiber Materials, 2022, 4, 361-389.	16.1	136
47	Ultratrace DNA Detection Based on the Condensingâ€Enrichment Effect of Superwettable Microchips. Advanced Materials, 2015, 27, 6878-6884.	21.0	135
48	Enhanced photoelectrochemical property of ZnO nanorods array synthesized on reduced graphene oxide for self-powered biosensing application. Biosensors and Bioelectronics, 2015, 64, 499-504.	10.1	133
49	Graphene-Based Biosensors for Detection of Biomarkers. Micromachines, 2020, 11, 60.	2.9	132
50	Plumbagin induces apoptotic and autophagic cell death through inhibition of the PI3K/Akt/mTOR pathway in human non-small cell lung cancer cells. Cancer Letters, 2014, 344, 239-259.	7.2	131
51	Strong Antibacterial Polydopamine Coatings Prepared by a Shaking-assisted Method. Scientific Reports, 2016, 6, 24420.	3.3	130
52	TiO ₂ Nanosheets with the Au Nanocrystal-Decorated Edge for Mitochondria-Targeting Enhanced Sonodynamic Therapy. Chemistry of Materials, 2019, 31, 9105-9114.	6.7	129
53	Graphene quantum dots for the inhibition of \hat{l}^2 amyloid aggregation. Nanoscale, 2015, 7, 19060-19065.	5.6	126
54	Stretchable Conductive Fibers of Ultrahigh Tensile Strain and Stable Conductance Enabled by a Worm-Shaped Graphene Microlayer. Nano Letters, 2019, 19, 6592-6599.	9.1	126

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55	Solid-state pH nanoelectrode based on polyaniline thin film electrodeposited onto ion-beam etched carbon fiber. Analytica Chimica Acta, 2002, 452, 1-10.	5.4	123
56	An Ionâ€Induced Lowâ€Oilâ€Adhesion Organic/Inorganic Hybrid Film for Stable Superoleophobicity in Seawater. Advanced Materials, 2013, 25, 606-611.	21.0	123
57	Visual detection of microRNA with lateral flow nucleic acid biosensor. Biosensors and Bioelectronics, 2014, 54, 578-584.	10.1	122
58	Integrated Smart Janus Textile Bands for Self-Pumping Sweat Sampling and Analysis. ACS Sensors, 2020, 5, 1548-1554.	7.8	120
59	Algae Extraction Controllable Delamination of Vanadium Carbide Nanosheets with Enhanced Nearâ€Infrared Photothermal Performance. Angewandte Chemie - International Edition, 2020, 59, 6601-6606.	13.8	118
60	Amperometric glucose sensor based on catalytic reduction of dissolved oxygen at soluble carbon nanofiber. Biosensors and Bioelectronics, 2007, 23, 479-484.	10.1	116
61	Light-triggered theranostic liposomes for tumor diagnosis and combined photodynamic and hypoxia-activated prodrug therapy. Biomaterials, 2018, 185, 301-309.	11.4	116
62	An evidence-based update on the pharmacological activities and possible molecular targets of Lycium barbarum polysaccharides. Drug Design, Development and Therapy, 2015, 9, 33.	4.3	114
63	Hollow Carbon Nanospheres with Tunable Hierarchical Pores for Drug, Gene, and Photothermal Synergistic Treatment. Small, 2017, 13, 1602592.	10.0	111
64	Multifunctional Poly(<scp>l</scp> -lactide)–Polyethylene Glycol-Grafted Graphene Quantum Dots for Intracellular MicroRNA Imaging and Combined Specific-Gene-Targeting Agents Delivery for Improved Therapeutics. ACS Applied Materials & Interfaces, 2015, 7, 11015-11023.	8.0	110
65	Bioinspired superwettable micropatterns for biosensing. Chemical Society Reviews, 2019, 48, 3153-3165.	38.1	110
66	Fabricating Aptamerâ€Conjugated PEGylatedâ€MoS ₂ /Cu _{1.8} S Theranostic Nanoplatform for Multiplexed Imaging Diagnosis and Chemoâ€Photothermal Therapy of Cancer. Advanced Functional Materials, 2017, 27, 1605592.	14.9	107
67	A Bacteriochlorinâ€Based Metal–Organic Framework Nanosheet Superoxide Radical Generator for Photoacoustic Imagingâ€Guided Highly Efficient Photodynamic Therapy. Advanced Science, 2019, 6, 1900530.	11.2	105
68	Cancer Cell Membrane Camouflaged Nanoprobe for Catalytic Ratiometric Photoacoustic Imaging of MicroRNA in Living Mice. Advanced Materials, 2019, 31, e1807888.	21.0	105
69	Nature Inspired MXene-Decorated 3D Honeycomb-Fabric Architectures Toward Efficient Water Desalination and Salt Harvesting. Nano-Micro Letters, 2022, 14, 10.	27.0	104
70	Selenium delays tomato fruit ripening by inhibiting ethylene biosynthesis and enhancing the antioxidant defense system. Food Chemistry, 2017, 219, 179-184.	8.2	101
71	Bacterial Vesicle-Cancer Cell Hybrid Membrane-Coated Nanoparticles for Tumor Specific Immune Activation and Photothermal Therapy. ACS Applied Materials & Interfaces, 2020, 12, 41138-41147.	8.0	100
72	The role of sampling in wearable sweat sensors. Talanta, 2020, 212, 120801.	5.5	97

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73	One-pot synthesis of nitrogen-rich carbon dots decorated graphene oxide as metal-free electrocatalyst for oxygen reduction reaction. Carbon, 2016, 109, 402-410.	10.3	96
74	Glucose Nanosensor Based on Prussian-Blue Modified Carbon-Fiber Cone Nanoelectrode and an Integrated Reference Electrode. Electroanalysis, 1999, 11, 945-949.	2.9	93
75	Near-infrared triggered strand displacement amplification for MicroRNA quantitative detection in single living cells. Chemical Science, 2018, 9, 1753-1759.	7.4	92
76	Ferrocyanide-Ferricyanide Redox Couple Induced Electrochemiluminescence Amplification of Carbon Dots for Ultrasensitive Sensing of Glutathione. Analytical Chemistry, 2015, 87, 11150-11156.	6.5	91
77	Intelligent MnO ₂ /Cu _{2–<i>x</i>} S for Multimode Imaging Diagnostic and Advanced Single-Laser Irradiated Photothermal/Photodynamic Therapy. ACS Applied Materials & Interfaces, 2018, 10, 17732-17741.	8.0	90
78	Real time and in vivo monitoring of nitric oxide by electrocehmical sensors- From dream to reality. Frontiers in Bioscience - Landmark, 2004, 9, 3434.	3.0	89
79	Near-infrared triggered Ti3C2/g-C3N4 heterostructure for mitochondria-targeting multimode photodynamic therapy combined photothermal therapy. Nano Today, 2020, 34, 100919.	11.9	89
80	One-Step Hydrothermal Fabrication of Three-dimensional MoS2 Nanoflower using Polypyrrole as Template for Efficient Hydrogen Evolution Reaction. Scientific Reports, 2017, 7, 42309.	3.3	87
81	Ultrathin Tellurium Oxide/Ammonium Tungsten Bronze Nanoribbon for Multimodality Imaging and Second Near-Infrared Region Photothermal Therapy. Nano Letters, 2019, 19, 1179-1189.	9.1	87
82	Induction of apoptosis and autophagy via sirtuin1- and PI3K/Akt/mTOR-mediated pathways by plumbagin in human prostate cancer cells. Drug Design, Development and Therapy, 2015, 9, 1511.	4.3	86
83	Gold nanoparticle/ZnO nanorod hybrids for enhanced reactive oxygen species generation and photodynamic therapy. Nano Research, 2015, 8, 2004-2014.	10.4	85
84	Target-Triggered Catalytic Hairpin Assembly-Induced Core–Satellite Nanostructures for High-Sensitive "Off-to-On―SERS Detection of Intracellular MicroRNA. Analytical Chemistry, 2018, 90, 10591-10599.	6.5	85
85	Multiplex microRNA imaging in living cells using DNA-capped-Au assembled hydrogels. Chemical Science, 2018, 9, 7419-7425.	7.4	85
86	Superwettable Electrochemical Biosensor toward Detection of Cancer Biomarkers. ACS Sensors, 2018, 3, 72-78.	7.8	84
87	A Corroleâ€Based Covalent Organic Framework Featuring Desymmetrized Topology. Angewandte Chemie - International Edition, 2020, 59, 4354-4359.	13.8	84
88	Multifunctional hydrogel as wound dressing for intelligent wound monitoring. Chemical Engineering Journal, 2022, 433, 134625.	12.7	84
89	Glucose microsensors based on carbon paste enzyme electrodes modified with cupric hexacyanoferrate. Analytica Chimica Acta, 1999, 395, 11-16.	5.4	82
90	Electrochemically Induced Release of DNA from Gold Ultramicroelectrodes. Langmuir, 1999, 15, 6541-6545.	3.5	82

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91	Trends in Cell-Based Electrochemical Biosensors. Current Medicinal Chemistry, 2008, 15, 3160-3170.	2.4	82
92	Needle-Type Dual Microsensor for the Simultaneous Monitoring of Glucose and Insulin. Analytical Chemistry, 2001, 73, 844-847.	6.5	81
93	Lateral flow biosensors based on the use of micro- and nanomaterials: a review on recent developments. Mikrochimica Acta, 2020, 187, 70.	5.0	81
94	Bioinspired Superwettable Microspine Chips with Directional Droplet Transportation for Biosensing. ACS Nano, 2020, 14, 4654-4661.	14.6	81
95	Implantable Electrochemical Sensors for Biomedical and Clinical Applications: Progress, Problems, and Future Possibilities Current Medicinal Chemistry, 2007, 14, 937-951.	2.4	80
96	Sensitive fiber microelectrode made of nickel hydroxide nanosheets embedded in highly-aligned carbon nanotube scaffold for nonenzymatic glucose determination. Sensors and Actuators B: Chemical, 2018, 257, 23-28.	7.8	80
97	Structureâ€Dependent Optical Modulation of Propulsion and Collective Behavior of Acoustic/Lightâ€Driven Hybrid Microbowls. Advanced Functional Materials, 2019, 29, 1809003.	14.9	79
98	Zirconium–Metalloporphyrin Frameworks–Luminol Competitive Electrochemiluminescence for Ratiometric Detection of Polynucleotide Kinase Activity. Analytical Chemistry, 2020, 92, 7354-7362.	6.5	79
99	Stable silver nanoclusters electrochemically deposited on nitrogen-doped graphene as efficient electrocatalyst for oxygen reduction reaction. Journal of Power Sources, 2015, 274, 1173-1179.	7.8	78
100	DNA-Mediated Nanoscale Metal–Organic Frameworks for Ultrasensitive Photoelectrochemical Enzyme-Free Immunoassay. Analytical Chemistry, 2018, 90, 12284-12291.	6.5	78
101	Exploring the effects of selenium treatment on the nutritional quality of tomato fruit. Food Chemistry, 2018, 252, 9-15.	8.2	77
102	Flexible all-textile dual tactile-tension sensors for monitoring athletic motion during taekwondo. Nano Energy, 2021, 85, 105941.	16.0	77
103	Electrochemical Immunoassay of Membrane P-glycoprotein by Immobilization of Cells on Gold Nanoparticles Modified on a Methoxysilyl-Terminated Butyrylchitosan Matrix. Biochemistry, 2005, 44, 11539-11545.	2.5	76
104	Highly Sensitive and Selective MicroRNA Detection Based on DNA-Bio-Bar-Code and Enzyme-Assisted Strand Cycle Exponential Signal Amplification. Analytical Chemistry, 2015, 87, 4334-4340.	6.5	76
105	Self-powered electrochemical water treatment system for sterilization and algae removal using water wave energy. Nano Energy, 2015, 18, 81-88.	16.0	76
106	Size-dependent electrochemiluminescence behavior of water-soluble CdTe quantum dots and selective sensing of l-cysteine. Talanta, 2009, 77, 1654-1659.	5.5	75
107	Plumbagin induces G2/M arrest, apoptosis, and autophagy via p38 MAPK- and PI3K/Akt/mTOR-mediated pathways in human tongue squamous cell carcinoma cells. Drug Design, Development and Therapy, 2015, 9, 1601.	4.3	75
108	An enzyme-amplified lateral flow strip biosensor for visual detection of MicroRNA-224. Talanta, 2016, 146, 648-654.	5.5	74

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109	Superwettable Microchips as a Platform toward Microgravity Biosensing. ACS Nano, 2017, 11, 621-626.	14.6	74
110	Plasmonic Resonance Energy Transfer Enhanced Photodynamic Therapy with Au@SiO ₂ @Cu ₂ O/Perfluorohexane Nanocomposites. ACS Applied Materials & Interfaces, 2018, 10, 6991-7002.	8.0	74
111	Pd@Au Bimetallic Nanoplates Decorated Mesoporous MnO ₂ for Synergistic Nucleusâ€Targeted NIRâ€II Photothermal and Hypoxiaâ€Relieved Photodynamic Therapy. Advanced Healthcare Materials, 2020, 9, e1901528.	7.6	74
112	Fully integrated flexible biosensor for wearable continuous glucose monitoring. Biosensors and Bioelectronics, 2022, 196, 113760.	10.1	74
113	Electrochemically Mediated Surface-Initiated de Novo Growth of Polymers for Amplified Electrochemical Detection of DNA. Analytical Chemistry, 2017, 89, 9253-9259.	6.5	73
114	A lightweight MXene-Coated nonwoven fabric with excellent flame Retardancy, EMI Shielding, and Electrothermal/Photothermal conversion for wearable heater. Chemical Engineering Journal, 2022, 430, 132605.	12.7	71
115	Biospired Janus Silk E-Textiles with Wet–Thermal Comfort for Highly Efficient Biofluid Monitoring. Nano Letters, 2021, 21, 8880-8887.	9.1	71
116	Papilla-like magnetic particles with hierarchical structure for oil removal from water. Chemical Communications, 2013, 49, 8752.	4.1	70
117	AlE-based superwettable microchips for evaporation and aggregation induced fluorescence enhancement biosensing. Biosensors and Bioelectronics, 2018, 111, 124-130.	10.1	69
118	Superwettable nanodendritic gold substrates for direct miRNA SERS detection. Nanoscale, 2018, 10, 20990-20994.	5.6	69
119	Rattle-type Au@Cu 2â^x S hollow mesoporous nanocrystals with enhanced photothermal efficiency for intracellular oncogenic microRNA detection and chemo-photothermal therapy. Biomaterials, 2018, 158, 23-33.	11.4	68
120	Impedance labelless detection-based polypyrrole DNA biosensor. Frontiers in Bioscience - Landmark, 2005, 10, 180.	3.0	67
121	Smart Textile Based on 3D Stretchable Silver Nanowires/MXene Conductive Networks for Personal Healthcare and Thermal Management. ACS Applied Materials & Interfaces, 2021, 13, 56607-56619.	8.0	67
122	An Integrated Nitric Oxide Sensor Based on Carbon Fiber Coated with Selective Membranes. Electroanalysis, 2000, 12, 1113-1117.	2.9	66
123	Electrochemical Sensors for Nitric Oxide Detection in Biological Applications. Electroanalysis, 2014, 26, 449-468.	2.9	65
124	Clinical pharmacology of dipeptidyl peptidase 4 inhibitors indicated for the treatment of type 2 diabetes mellitus. Clinical and Experimental Pharmacology and Physiology, 2015, 42, 999-1024.	1.9	65
125	Imaging multiple microRNAs in living cells using ATP self-powered strand-displacement cascade amplification. Chemical Science, 2018, 9, 1184-1190.	7.4	65
126	Control of capillary behavior through target-responsive hydrogel permeability alteration for sensitive visual quantitative detection. Nature Communications, 2019, 10, 1036.	12.8	65

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127	Flexible, self-healable, adhesive and wearable hydrogel patch for colorimetric sweat detection. Journal of Materials Chemistry C, 2021, 9, 14938-14945.	5.5	65
128	Zirconium–metalloporphyrin frameworks as a three-in-one platform possessing oxygen nanocage, electron media, and bonding site for electrochemiluminescence protein kinase activity assay. Nanoscale, 2016, 8, 11649-11657.	5.6	64
129	Recent advances in the chemical imaging of human fingermarks (a review). Analyst, The, 2016, 141, 6172-6189.	3.5	64
130	Biosensors for early diagnosis of pancreatic cancer: a review. Translational Research, 2019, 213, 67-89.	5.0	64
131	The investigational Aurora kinase A inhibitor alisertib (MLN8237) induces cell cycle G2/M arrest, apoptosis, and autophagy via p38 MAPK and Akt/mTOR signaling pathways in human breast cancer cells. Drug Design, Development and Therapy, 2015, 9, 1627.	4.3	63
132	Dendrimer-like hybrid particles with tunable hierarchical pores. Nanoscale, 2015, 7, 6173-6184.	5.6	63
133	Nanodendritic gold/graphene-based biosensor for tri-mode miRNA sensing. Chemical Communications, 2019, 55, 1742-1745.	4.1	63
134	Tendril-Inspired 900% Ultrastretching Fiber-Based Zn-Ion Batteries for Wearable Energy Textiles. ACS Applied Materials & Interfaces, 2021, 13, 17110-17117.	8.0	61
135	Fabricating Pt/Sn–In ₂ O ₃ Nanoflower with Advanced Oxygen Reduction Reaction Performance for High-Sensitivity MicroRNA Electrochemical Detection. Analytical Chemistry, 2017, 89, 648-655.	6.5	59
136	Facile colorimetric assay of alkaline phosphatase activity using Fe(II)-phenanthroline reporter. Analytica Chimica Acta, 2017, 950, 170-177.	5.4	59
137	Electrochemical sensing platform based on molecularly imprinted polymer decorated N,S co-doped activated graphene for ultrasensitive and selective determination of cyclophosphamide. Talanta, 2017, 164, 601-607.	5.5	59
138	Flexible Superwettable Tapes for On-Site Detection of Heavy Metals. Analytical Chemistry, 2018, 90, 14105-14110.	6.5	59
139	Nonâ€Fentonâ€Type Hydroxyl Radical Generation and Photothermal Effect by Mitochondriaâ€Targeted WSSe/MnO ₂ Nanocomposite Loaded with Isoniazid for Synergistic Anticancer Treatment. Advanced Functional Materials, 2019, 29, 1903850.	14.9	59
140	Fabrication, Characterization, and Potential Application of Carbon Fiber Cone Nanometer-Size Electrodes. Analytical Chemistry, 1996, 68, 3338-3343.	6.5	58
141	Label-free and ultrasensitive microRNA detection based on novel molecular beacon binding readout and target recycling amplification. Biosensors and Bioelectronics, 2014, 53, 377-383.	10.1	58
142	Lectin approaches for glycoproteomics in FDA-approved cancer biomarkers. Expert Review of Proteomics, 2014, 11, 227-236.	3.0	58
143	Chemical etching of bovine serum albumin-protected Au25 nanoclusters for label-free and separation-free detection of cysteamine. Biosensors and Bioelectronics, 2015, 66, 155-161.	10.1	58
144	Unlocking the Electrocatalytic Activity of Antimony for CO ₂ Reduction by Twoâ€Dimensional Engineering of the Bulk Material. Angewandte Chemie, 2017, 129, 14910-14914.	2.0	58

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145	Bioinspired DNA–Inorganic Hybrid Nanoflowers Combined with a Personal Glucose Meter for Onsite Detection of miRNA. ACS Applied Materials & Interfaces, 2018, 10, 42050-42057.	8.0	58
146	Gold Nanoparticle Enrichment Method for Identifying <i>S</i> -Nitrosylation and <i>S</i> -Glutathionylation Sites in Proteins. Journal of the American Chemical Society, 2010, 132, 11392-11394.	13.7	57
147	Space-confined fabrication of silver nanodendrites and their enhanced SERS activity. Nanoscale, 2013, 5, 4284.	5.6	57
148	Recent Advance on Mesoporous Silica Nanoparticles-Based Controlled Release System: Intelligent Switches Open up New Horizon. Nanomaterials, 2015, 5, 2019-2053.	4.1	57
149	Targeting Na ⁺ /K ⁺ â€translocating adenosine triphosphatase in cancer treatment. Clinical and Experimental Pharmacology and Physiology, 2015, 42, 427-443.	1.9	57
150	Clinical Association Between Pharmacogenomics and Adverse Drug Reactions. Drugs, 2015, 75, 589-631.	10.9	57
151	Oxidase-mimicking activity of the nitrogen-doped Fe ₃ C@C composites. Chemical Communications, 2017, 53, 3882-3885.	4.1	57
152	Highly sensitive and selective chemiluminescent imaging for DNA detection by ligation-mediated rolling circle amplified synthesis of DNAzyme. Biosensors and Bioelectronics, 2013, 41, 348-353.	10.1	56
153	Carbon Nitride Nanosheet-Supported Porphyrin: A New Biomimetic Catalyst for Highly Efficient Bioanalysis. ACS Applied Materials & Interfaces, 2015, 7, 543-552.	8.0	56
154	MicroRNA Triggered DNA "Nano Wheel―for Visualizing Intracellular microRNA via Localized DNA Cascade Reaction. Analytical Chemistry, 2019, 91, 9828-9835.	6.5	56
155	Novel Calibration Method for Nitric Oxide Microsensors by Stoichiometrical Generation of Nitric Oxide from SNAP. Electroanalysis, 2000, 12, 425-428.	2.9	55
156	Biodegradable Metal–Organic Frameworks Power DNAzyme for in Vivo Temporal-Spatial Control Fluorescence Imaging of Aberrant MicroRNA and Hypoxic Tumor. Analytical Chemistry, 2020, 92, 8333-8339.	6.5	55
157	Amperometric sensor for ethanol based on one-step electropolymerization of thionine–carbon nanofiber nanocomposite containing alcohol oxidaseâ~†. Talanta, 2007, 74, 387-392.	5.5	54
158	Ultrasensitive and Multiple Disease-Related MicroRNA Detection Based on Tetrahedral DNA Nanostructures and Duplex-Specific Nuclease-Assisted Signal Amplification. ACS Applied Materials & Interfaces, 2016, 8, 33499-33505.	8.0	54
159	Cancer Cell Membrane Camouflaged Semiâ€Yolk@Spikyâ€Shell Nanomotor for Enhanced Cell Adhesion and Synergistic Therapy. Small, 2020, 16, e2003834.	10.0	54
160	Integrated Ultrasonic Aggregation-Induced Enrichment with Raman Enhancement for Ultrasensitive and Rapid Biosensing. Analytical Chemistry, 2020, 92, 7816-7821.	6.5	54
161	An electrochemical non-enzymatic immunosensor for ultrasensitive detection of microcystin-LR using carbon nanofibers as the matrix. Sensors and Actuators B: Chemical, 2016, 233, 624-632.	7.8	53
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