

# Xueji Zhang

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8632419/xueji-zhang-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

216  
papers

11,133  
citations

57  
h-index

98  
g-index

223  
ext. papers

13,467  
ext. citations

8.9  
avg, IF

6.77  
L-index

#	Paper	IF	Citations
216	MicroRNA: function, detection, and bioanalysis. <i>Chemical Reviews</i> , <b>2013</b> , 113, 6207-33	68.1	780
215	Measurement of Nitric Oxide Production in Biological Systems by Using Griess Reaction Assay. <i>Sensors</i> , <b>2003</b> , 3, 276-284	3.8	353
214	Biodegradable Biomimic Copper/Manganese Silicate Nanospheres for Chemodynamic/Photodynamic Synergistic Therapy with Simultaneous Glutathione Depletion and Hypoxia Relief. <i>ACS Nano</i> , <b>2019</b> , 13, 4267-4277	16.7	315
213	Dual-scaled porous nitrocellulose membranes with underwater superoleophobicity for highly efficient oil/water separation. <i>Advanced Materials</i> , <b>2014</b> , 26, 1771-5	24	277
212	Fuel-Free Synthetic Micro-/Nanomachines. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603250	24	235
211	Erythrocyte-Cancer Hybrid Membrane Camouflaged Hollow Copper Sulfide Nanoparticles for Prolonged Circulation Life and Homotypic-Targeting Photothermal/Chemotherapy of Melanoma. <i>ACS Nano</i> , <b>2018</b> , 12, 5241-5252	16.7	232
210	Highly sensitive multiple microRNA detection based on fluorescence quenching of graphene oxide and isothermal strand-displacement polymerase reaction. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 4587-93	7.8	228
209	Fluorescent MoS <sub>2</sub> Quantum Dots: Ultrasonic Preparation, Up-Conversion and Down-Conversion Bioimaging, and Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3107-14	9.5	210
208	Mesoporous silica nanoparticles with organo-bridged silsesquioxane framework as innovative platforms for bioimaging and therapeutic agent delivery. <i>Biomaterials</i> , <b>2016</b> , 91, 90-127	15.6	199
207	Reversible swarming and separation of self-propelled chemically powered nanomotors under acoustic fields. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2163-6	16.4	191
206	Detection of NADH and ethanol based on catalytic activity of soluble carbon nanofiber with low overpotential. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 453-8	7.8	181
205	Metal-Organic Framework Nanoshuttle for Synergistic Photodynamic and Low-Temperature Photothermal Therapy. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804634	15.6	177
204	Biocompatible conductive architecture of carbon nanofiber-doped chitosan prepared with controllable electrodeposition for cytosensing. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 4442-7	7.8	174
203	Ultrasensitive nucleic acid biosensor based on enzyme-gold nanoparticle dual label and lateral flow strip biosensor. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 2018-24	11.8	164
202	An open source and reduce expenditure ROS generation strategy for chemodynamic/photodynamic synergistic therapy. <i>Nature Communications</i> , <b>2020</b> , 11, 1735	17.4	153
201	Nacre-inspired design of mechanical stable coating with underwater superoleophobicity. <i>ACS Nano</i> , <b>2013</b> , 7, 5077-83	16.7	153
200	Tunable Fabrication of Molybdenum Disulfide Quantum Dots for Intracellular MicroRNA Detection and Multiphoton Bioimaging. <i>Small</i> , <b>2015</b> , 11, 4158-64	11	148

199	Engineered Exosome-Mediated Near-Infrared-II Region VC Quantum Dot Delivery for Nucleus-Target Low-Temperature Photothermal Therapy. <i>ACS Nano</i> , <b>2019</b> , 13, 1499-1510	16.7	147
198	Ultrasound-modulated bubble propulsion of chemically powered microengines. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 8552-5	16.4	142
197	Graphene quantum dots induce apoptosis, autophagy, and inflammatory response via p38 mitogen-activated protein kinase and nuclear factor- $\kappa$ B mediated signaling pathways in activated THP-1 macrophages. <i>Toxicology</i> , <b>2015</b> , 327, 62-76	4.4	136
196	Aptamer-Conjugated Graphene Quantum Dots/Porphyrin Derivative Theranostic Agent for Intracellular Cancer-Related MicroRNA Detection and Fluorescence-Guided Photothermal/Photodynamic Synergetic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 159-166	9.5	135
195	Ultrasound propulsion of micro-/nanomotors. <i>Applied Materials Today</i> , <b>2017</b> , 9, 493-503	6.6	131
194	Electronic structure engineering of Cu <sub>2</sub> O film/ZnO nanorods array all-oxide p-n heterostructure for enhanced photoelectrochemical property and self-powered biosensing application. <i>Scientific Reports</i> , <b>2015</b> , 5, 7882	4.9	131
193	Three-dimensional Nitrogen-Doped Graphene Supported Molybdenum Disulfide Nanoparticles as an Advanced Catalyst for Hydrogen Evolution Reaction. <i>Scientific Reports</i> , <b>2015</b> , 5, 17542	4.9	124
192	Functionalized graphene oxide mediated adriamycin delivery and miR-21 gene silencing to overcome tumor multidrug resistance in vitro. <i>PLoS ONE</i> , <b>2013</b> , 8, e60034	3.7	116
191	Plumbagin induces apoptotic and autophagic cell death through inhibition of the PI3K/Akt/mTOR pathway in human non-small cell lung cancer cells. <i>Cancer Letters</i> , <b>2014</b> , 344, 239-59	9.9	113
190	Solid-state pH nanoelectrode based on polyaniline thin film electrodeposited onto ion-beam etched carbon fiber. <i>Analytica Chimica Acta</i> , <b>2002</b> , 452, 1-10	6.6	113
189	Layered nanofiber sponge with an improved capacity for promoting blood coagulation and wound healing. <i>Biomaterials</i> , <b>2019</b> , 204, 70-79	15.6	111
188	Enhanced photoelectrochemical property of ZnO nanorods array synthesized on reduced graphene oxide for self-powered biosensing application. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 64, 499-504	11.8	111
187	An ion-induced low-oil-adhesion organic/inorganic hybrid film for stable superoleophobicity in seawater. <i>Advanced Materials</i> , <b>2013</b> , 25, 606-11	24	107
186	Disulfide-Bridged Organosilica Frameworks: Designed, Synthesis, Redox-Triggered Biodegradation, and Nanobiomedical Applications. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707325	15.6	106
185	Ultratrace DNA Detection Based on the Condensing-Enrichment Effect of Superwetable Microchips. <i>Advanced Materials</i> , <b>2015</b> , 27, 6878-84	24	104
184	Electrochemical hydrogen sulfide biosensors. <i>Analyst, The</i> , <b>2016</b> , 141, 1185-95	5	102
183	Visual detection of microRNA with lateral flow nucleic acid biosensor. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 54, 578-84	11.8	97
182	Amperometric glucose sensor based on catalytic reduction of dissolved oxygen at soluble carbon nanofiber. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 23, 479-84	11.8	96

181	Multifunctional Poly(L-lactide)-Polyethylene Glycol-Grafted Graphene Quantum Dots for Intracellular MicroRNA Imaging and Combined Specific-Gene-Targeting Agents Delivery for Improved Therapeutics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 11015-23	9.5	92
180	Hollow Carbon Nanospheres with Tunable Hierarchical Pores for Drug, Gene, and Photothermal Synergistic Treatment. <i>Small</i> , <b>2017</b> , 13, 1602592	11	92
179	Graphene quantum dots for the inhibition of $\beta$ -amyloid aggregation. <i>Nanoscale</i> , <b>2015</b> , 7, 19060-5	7.7	90
178	Microfluidic Chip-Based Wearable Colorimetric Sensor for Simple and Facile Detection of Sweat Glucose. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 14803-14807	7.8	89
177	Light-triggered theranostic liposomes for tumor diagnosis and combined photodynamic and hypoxia-activated prodrug therapy. <i>Biomaterials</i> , <b>2018</b> , 185, 301-309	15.6	87
176	Glucose Nanosensor Based on Prussian-Blue Modified Carbon-Fiber Cone Nanoelectrode and an Integrated Reference Electrode. <i>Electroanalysis</i> , <b>1999</b> , 11, 945-949	3	82
175	Fabricating Aptamer-Conjugated PEGylated-MoS <sub>2</sub> /Cu <sub>1.8</sub> S Theranostic Nanoplatform for Multiplexed Imaging Diagnosis and Chemo-Photothermal Therapy of Cancer. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605592	15.6	80
174	Flexible and Superwetttable Bands as a Platform toward Sweat Sampling and Sensing. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 4296-4300	7.8	76
173	Induction of apoptosis and autophagy via sirtuin1- and PI3K/Akt/mTOR-mediated pathways by plumbagin in human prostate cancer cells. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 1511-54	4.4	74
172	Electrochemical immunoassay of membrane P-glycoprotein by immobilization of cells on gold nanoparticles modified on a methoxysilyl-terminated butyrylchitosan matrix. <i>Biochemistry</i> , <b>2005</b> , 44, 11539-45	3.2	74
171	Trends in cell-based electrochemical biosensors. <i>Current Medicinal Chemistry</i> , <b>2008</b> , 15, 3160-70	4.3	72
170	Highly sensitive and selective microRNA detection based on DNA-bio-bar-code and enzyme-assisted strand cycle exponential signal amplification. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 4334-40	7.8	71
169	TiO <sub>2</sub> Nanosheets with the Au Nanocrystal-Decorated Edge for Mitochondria-Targeting Enhanced Sonodynamic Therapy. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 9105-9114	9.6	70
168	Intelligent MnO/CuS for Multimode Imaging Diagnostic and Advanced Single-Laser Irradiated Photothermal/Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 17732-17741	9.5	66
167	Glucose microsensors based on carbon paste enzyme electrodes modified with cupric hexacyanoferrate. <i>Analytica Chimica Acta</i> , <b>1999</b> , 395, 11-16	6.6	66
166	Near-infrared triggered strand displacement amplification for MicroRNA quantitative detection in single living cells. <i>Chemical Science</i> , <b>2018</b> , 9, 1753-1759	9.4	64
165	Ultrathin Tellurium Oxide/Ammonium Tungsten Bronze Nanoribbon for Multimodality Imaging and Second Near-Infrared Region Photothermal Therapy. <i>Nano Letters</i> , <b>2019</b> , 19, 1179-1189	11.5	62
164	An enzyme-amplified lateral flow strip biosensor for visual detection of microRNA-224. <i>Talanta</i> , <b>2016</b> , 146, 648-54	6.2	61

163	Bioinspired superwetable micropatterns for biosensing. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 3153-3165	58.5	61
162	Cancer Cell Membrane Camouflaged Nanoprobe for Catalytic Ratiometric Photoacoustic Imaging of MicroRNA in Living Mice. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807888	24	61
161	Papilla-like magnetic particles with hierarchical structure for oil removal from water. <i>Chemical Communications</i> , <b>2013</b> , 49, 8752-4	5.8	61
160	Plumbagin induces G2/M arrest, apoptosis, and autophagy via p38 MAPK- and PI3K/Akt/mTOR-mediated pathways in human tongue squamous cell carcinoma cells. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 1601-26	4.4	60
159	Graphene-Based Biosensors for Detection of Biomarkers. <i>Micromachines</i> , <b>2020</b> , 11,	3.3	57
158	Target-Triggered Catalytic Hairpin Assembly-Induced Core-Satellite Nanostructures for High-Sensitive "Off-to-On" SERS Detection of Intracellular MicroRNA. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 10591-10599	7.8	57
157	Superwetable Electrochemical Biosensor toward Detection of Cancer Biomarkers. <i>ACS Sensors</i> , <b>2018</b> , 3, 72-78	9.2	56
156	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. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 1627-52	4.4	56
155	Multiplex microRNA imaging in living cells using DNA-capped-Au assembled hydrogels. <i>Chemical Science</i> , <b>2018</b> , 9, 7419-7425	9.4	54
154	Fabrication, characterization, and potential application of carbon fiber cone nanometer-size electrodes. <i>Analytical Chemistry</i> , <b>1996</b> , 68, 3338-43	7.8	54
153	Superwetable Microchips as a Platform toward Microgravity Biosensing. <i>ACS Nano</i> , <b>2017</b> , 11, 621-626	16.7	53
152	Imaging multiple microRNAs in living cells using ATP self-powered strand-displacement cascade amplification. <i>Chemical Science</i> , <b>2018</b> , 9, 1184-1190	9.4	52
151	Lateral flow biosensors based on the use of micro- and nanomaterials: a review on recent developments. <i>Mikrochimica Acta</i> , <b>2019</b> , 187, 70	5.8	51
150	Enhanced cancer therapy by hypoxia-responsive copper metal-organic frameworks nanosystem. <i>Biomaterials</i> , <b>2020</b> , 258, 120278	15.6	50
149	AIE-based superwetable microchips for evaporation and aggregation induced fluorescence enhancement biosensing. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 111, 124-130	11.8	49
148	Plasmonic Resonance Energy Transfer Enhanced Photodynamic Therapy with Au@SiO@CuO/Perfluorohexane Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 6991-7002	9.5	47
147	Superwetable nanodendritic gold substrates for direct miRNA SERS detection. <i>Nanoscale</i> , <b>2018</b> , 10, 20990-20994	7.7	47
146	DNA-based intelligent logic controlled release systems. <i>Chemical Communications</i> , <b>2012</b> , 48, 8410-2	5.8	46

145	Amperometric sensor for ethanol based on one-step electropolymerization of thionine-carbon nanofiber nanocomposite containing alcohol oxidase. <i>Talanta</i> , <b>2007</b> , 74, 387-92	6.2	46
144	Structure-Dependent Optical Modulation of Propulsion and Collective Behavior of Acoustic/Light-Driven Hybrid Microbowls. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1809003	15.6	45
143	An electrochemical non-enzymatic immunosensor for ultrasensitive detection of microcystin-LR using carbon nanofibers as the matrix. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 233, 624-632	8.5	45
142	Rattle-type Au@CuS hollow mesoporous nanocrystals with enhanced photothermal efficiency for intracellular oncogenic microRNA detection and chemo-photothermal therapy. <i>Biomaterials</i> , <b>2018</b> , 158, 23-33	15.6	45
141	Electrochemical Sensors for Nitric Oxide Detection in Biological Applications. <i>Electroanalysis</i> , <b>2014</b> , 26, 449-468	3	44
140	Algae Extraction Controllable Delamination of Vanadium Carbide Nanosheets with Enhanced Near-Infrared Photothermal Performance. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6601-6606	16.4	42
139	One-pot synthesis of redox-triggered biodegradable hybrid nanocapsules with a disulfide-bridged silsesquioxane framework for promising drug delivery. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 4455-4469	7.3	41
138	Nanodendritic gold/graphene-based biosensor for tri-mode miRNA sensing. <i>Chemical Communications</i> , <b>2019</b> , 55, 1742-1745	5.8	40
137	Near-infrared triggered Ti3C2/g-C3N4 heterostructure for mitochondria-targeting multimode photodynamic therapy combined photothermal therapy. <i>Nano Today</i> , <b>2020</b> , 34, 100919	17.9	40
136	Biosensors for early diagnosis of pancreatic cancer: a review. <i>Translational Research</i> , <b>2019</b> , 213, 67-89	11	40
135	Non-Fenton-Type Hydroxyl Radical Generation and Photothermal Effect by Mitochondria-Targeted WSSe/MnO2 Nanocomposite Loaded with Isoniazid for Synergistic Anticancer Treatment. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1903850	15.6	40
134	Immobilization of bovine serum albumin-protected gold nanoclusters by using polyelectrolytes of opposite charges for the development of the reusable fluorescent Cu <sup>2+</sup> -sensor. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 44, 16-20	11.8	40
133	Bioinspired Superwetable Microspine Chips with Directional Droplet Transportation for Biosensing. <i>ACS Nano</i> , <b>2020</b> , 14, 4654-4661	16.7	39
132	Bioinspired DNA-Inorganic Hybrid Nanoflowers Combined with a Personal Glucose Meter for Onsite Detection of miRNA. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 42050-42057	9.5	39
131	Alisertib induces cell cycle arrest and autophagy and suppresses epithelial-to-mesenchymal transition involving PI3K/Akt/mTOR and sirtuin 1-mediated signaling pathways in human pancreatic cancer cells. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 575-601	4.4	38
130	Over-oxidized polypyrrole-modified carbon fibre ultramicroelectrode with an integrated silver/silver chloride reference electrode for the selective voltammetric measurement of dopamine in extremely small sample volumes. <i>Analyst</i> , <b>1996</b> , 121, 1817-1822	5	38
129	Bacterial Vesicle-Cancer Cell Hybrid Membrane-Coated Nanoparticles for Tumor Specific Immune Activation and Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 41138-41147	9.5	38
128	Dendritic porous yolk@ordered mesoporous shell structured heterogeneous nanocatalysts with enhanced stability. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 21560-21569	13	37

127	Alisertib, an Aurora kinase A inhibitor, induces apoptosis and autophagy but inhibits epithelial to mesenchymal transition in human epithelial ovarian cancer cells. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 425-64	4.4	36
126	Flexible Superwetable Tapes for On-Site Detection of Heavy Metals. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 14105-14110	7.8	36
125	In situ growth cupric oxide nanoparticles on carbon nanofibers for sensitive nonenzymatic sensing of glucose. <i>Electrochimica Acta</i> , <b>2013</b> , 105, 433-438	6.7	35
124	Biodegradable Metal-Organic Frameworks Power DNAzyme for in Vivo Temporal-Spatial Control Fluorescence Imaging of Aberrant MicroRNA and Hypoxic Tumor. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 8333-8339	7.8	32
123	Highly-sensitive microRNA detection based on bio-bar-code assay and catalytic hairpin assembly two-stage amplification. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1004, 1-9	6.6	32
122	Superhydrophilic cotton thread with temperature-dependent pattern for sensitive nucleic acid detection. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 951-957	11.8	32
121	Photoluminescent two-dimensional SiC quantum dots for cellular imaging and transport. <i>Nano Research</i> , <b>2018</b> , 11, 4074-4081	10	31
120	MicroRNA Triggered DNA "Nano Wheel" for Visualizing Intracellular microRNA via Localized DNA Cascade Reaction. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 9828-9835	7.8	31
119	Plumbagin induces cell cycle arrest and autophagy and suppresses epithelial to mesenchymal transition involving PI3K/Akt/mTOR-mediated pathway in human pancreatic cancer cells. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 537-60	4.4	30
118	Biofunctional nanocomposite of carbon nanofiber with water-soluble porphyrin for highly sensitive ethanol biosensing. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 24, 644-9	11.8	30
117	Superwetable microchips with improved spot homogeneity toward sensitive biosensing. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 418-424	11.8	30
116	Dendritic Janus Nanomotors with Precisely Modulated Coverages and Their Effects on Propulsion. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 10426-10433	9.5	29
115	Peroxidase-like Fe <sub>3</sub> O <sub>4</sub> nanocomposite for activatable reactive oxygen species generation and cancer theranostics. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 1184-1194	7.8	29
114	Cancer Cell Membrane Camouflaged Semi-Yolk@Spiky-Shell Nanomotor for Enhanced Cell Adhesion and Synergistic Therapy. <i>Small</i> , <b>2020</b> , 16, e2003834	11	29
113	Substrate-independent and large-area synthesis of carbon nanotube thin films using ZnO nanorods as template and dopamine as carbon precursor. <i>Carbon</i> , <b>2015</b> , 83, 275-281	10.4	28
112	Controllable Swarming and Assembly of Micro/Nanomachines. <i>Micromachines</i> , <b>2017</b> , 9,	3.3	28
111	Smartphone-based tape sensors for multiplexed rapid urinalysis. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 304, 127415	8.5	28
110	Renewable superwetable biochip for miRNA detection. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 258, 715-721	8.5	28

109	Synergistic Inhibitory Effect of GQDs-Tramiprosate Covalent Binding on Amyloid Aggregation. <i>ACS Chemical Neuroscience</i> , <b>2018</b> , 9, 817-823	5.7	28
108	Cell micropatterns based on silicone-oil-modified slippery surfaces. <i>Nanoscale</i> , <b>2016</b> , 8, 18612-18615	7.7	27
107	Hollow mesoporous carbon@Pt Janus nanomotors with dual response of H <sub>2</sub> O <sub>2</sub> and near-infrared light for active cargo delivery. <i>Applied Materials Today</i> , <b>2019</b> , 17, 85-91	6.6	27
106	A three-dimensional DNA walking machine for the ultrasensitive dual-modal detection of miRNA using a fluorometer and personal glucose meter. <i>Nanoscale</i> , <b>2019</b> , 11, 11279-11284	7.7	26
105	Integrated Ultrasonic Aggregation-Induced Enrichment with Raman Enhancement for Ultrasensitive and Rapid Biosensing. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 7816-7821	7.8	26
104	Bioinspired Framework Nucleic Acid Capture Sensitive and Rapidly Resolving MicroRNAs Biomarkers in Living Cells. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 4411-4418	7.8	26
103	NanoBiosensing <b>2011</b> ,		26
102	Sensitively distinguishing intracellular precursor and mature microRNA abundance. <i>Chemical Science</i> , <b>2019</b> , 10, 1709-1715	9.4	25
101	Catalytic hairpin assembly gel assay for multiple and sensitive microRNA detection. <i>Theranostics</i> , <b>2018</b> , 8, 2646-2656	12.1	25
100	Systematic study of dye loaded small mesoporous silica nanoparticles for detecting latent fingerprints on various substrates. <i>Journal of Porous Materials</i> , <b>2017</b> , 24, 13-20	2.4	25
99	Inhibition of mitotic Aurora kinase A by alisertib induces apoptosis and autophagy of human gastric cancer AGS and NCI-N78 cells. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 487-508	4.4	25
98	Ion permeability of polydopamine films revealed using a Prussian blue-based electrochemical method. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 12781-7	3.4	24
97	The pan-inhibitor of Aurora kinases danusertib induces apoptosis and autophagy and suppresses epithelial-to-mesenchymal transition in human breast cancer cells. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 1027-62	4.4	23
96	Inhibition of Aurora kinases induces apoptosis and autophagy via AURKB/p70S6K/RPL15 axis in human leukemia cells. <i>Cancer Letters</i> , <b>2016</b> , 382, 215-230	9.9	23
95	Core@Satellite Janus Nanomotors with pH-Responsive Multi-phoretic Propulsion. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14368-14372	16.4	22
94	A three-line lateral flow biosensor for logic detection of microRNA based on Y-shaped junction DNA and target recycling amplification. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 8195-8202	4.4	22
93	Ultrasensitive DNA biosensor based on electrochemical atom transfer radical polymerization. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 131, 193-199	11.8	22
92	A Semimetal-Like Molybdenum Carbide Quantum Dots Photoacoustic Imaging and Photothermal Agent with High Photothermal Conversion Efficiency. <i>Materials</i> , <b>2018</b> , 11,	3.5	22



91	Plumbagin elicits differential proteomic responses mainly involving cell cycle, apoptosis, autophagy, and epithelial-to-mesenchymal transition pathways in human prostate cancer PC-3 and DU145 cells. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 349-417	4.4	21
90	NIR powered Janus nanocarrier for deep tumor penetration. <i>Applied Materials Today</i> , <b>2020</b> , 18, 100504	6.6	21
89	Interfacial self-assembly of amino acids and peptides: scanning tunneling microscopy investigation. <i>Nanoscale</i> , <b>2011</b> , 3, 4901-15	7.7	20
88	Danuserib, a potent pan-Aurora kinase and ABL kinase inhibitor, induces cell cycle arrest and programmed cell death and inhibits epithelial to mesenchymal transition involving the PI3K/Akt/mTOR-mediated signaling pathway in human gastric cancer AGS and NCI-N78 cells. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 1293-318	4.4	19
87	A controllable local drug delivery system based on porous fibers for synergistic treatment of melanoma and promoting wound healing. <i>Biomaterials Science</i> , <b>2019</b> , 7, 5084-5096	7.4	18
86	Cobalt Sulfide Confined in N-Doped Porous Branched Carbon Nanotubes for Lithium-Ion Batteries. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 29	19.5	17
85	Integrating modification and detection in acoustic microchip for in-situ analysis. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 158, 112185	11.8	17
84	Bardoxolone methyl induces apoptosis and autophagy and inhibits epithelial-to-mesenchymal transition and stemness in esophageal squamous cancer cells. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 993-1026	4.4	17
83	Metallo Porphyrin Functionalized Microelectrodes for Electrocatalytic Sensing of Nitric Oxide. <i>American Journal of Biomedical Sciences</i> , <b>2009</b> , 1, 274-282		17
82	Capillary-driven spontaneous oil/water separation by superwetable twines. <i>Nanoscale</i> , <b>2015</b> , 7, 13164-77.7		16
81	Construction of dendritic Janus nanomotors with HO and NIR light dual-propulsion via a Pickering emulsion. <i>Soft Matter</i> , <b>2020</b> , 16, 4961-4968	3.6	16
80	Plumbagin suppresses epithelial to mesenchymal transition and stemness via inhibiting Nrf2-mediated signaling pathway in human tongue squamous cell carcinoma cells. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 5511-51	4.4	16
79	Biospired Janus Silk E-Textiles with Wet-Thermal Comfort for Highly Efficient Biofluid Monitoring. <i>Nano Letters</i> , <b>2021</b> , 21, 8880-8887	11.5	16
78	Facile synthesis of mesoporous organosilica nanobowls with bridged silsesquioxane framework by one-pot growth and dissolution mechanism. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 528, 379-388	9.3	15
77	Schisandrin B inhibits cell growth and induces cellular apoptosis and autophagy in mouse hepatocytes and macrophages: implications for its hepatotoxicity. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 2001-27	4.4	15
76	Gastric Acid Powered Nanomotors Release Antibiotics for In Vivo Treatment of Helicobacter pylori Infection. <i>Small</i> , <b>2021</b> , 17, e2006877	11	15
75	Strategies of Luminescent Gold Nanoclusters for Chemo-/Bio-Sensing. <i>Molecules</i> , <b>2019</b> , 24,	4.8	14
74	Understanding stimuli-responsive oligomer shell of silver nanoclusters with aggregation-induced emission via chemical etching and their use as sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 286, 198-205	8.5	13

73	Integrated individually electrochemical array for simultaneously detecting multiple Alzheimer's biomarkers. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 162, 112253	11.8	13
72	In Situ Synthesis of CuS Nanoparticle-Doped Poly(N-isopropylacrylamide)-Based Microgels for Near-Infrared Triggered Photothermal Therapy. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 1776-1783	5.6	13
71	Enhanced lateral flow assay with double conjugates for the detection of exosomes. <i>Science China Chemistry</i> , <b>2018</b> , 61, 1423-1429	7.9	13
70	A ratiometric fluorescent probe for rapidly detecting bio-thiols in vitro and in living cells. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107688	4.6	13
69	Hyaluronic Acid Encapsulated CuS Gel-Mediated Near-Infrared Laser-Induced Controllable Transdermal Drug Delivery for Sustained Therapy. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 6786-6794	8.3	13
68	Novel targeting of PEGylated liposomes for codelivery of TGF- $\beta$ siRNA and four antitubercular drugs to human macrophages for the treatment of mycobacterial infection: a quantitative proteomic study. <i>Drug Design, Development and Therapy</i> , <b>2015</b> , 9, 4441-70	4.4	13
67	Design of pH microelectrodes based on ETHT 2418 and their application for measurement of pH profile in instant noodles. <i>Analytica Chimica Acta</i> , <b>2001</b> , 445, 57-65	6.6	13
66	Target-Cell-Specific Bioorthogonal and Endogenous ATP Control of Signal Amplification for Intracellular MicroRNA Imaging. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 1693-1701	7.8	13
65	pH-Responsive Au(i)-disulfide nanoparticles with tunable aggregation-induced emission for monitoring intragastric acidity. <i>Chemical Science</i> , <b>2020</b> , 11, 6472-6478	9.4	12
64	Mini-pillar microarray for individually electrochemical sensing in microdroplets. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 149, 111845	11.8	12
63	Stimuli-responsive polymer/nanomaterial hybrids for sensing applications. <i>Analyst, The</i> , <b>2020</b> , 145, 5713-5724	12	12
62	Methyl Orange removal by a novel PEI-AuNPs-hemin nanocomposite. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 53, 278-283	6.4	11
61	Functional nucleic acid-based fluorescence polarization/anisotropy biosensors for detection of biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 6655-6665	4.4	11
60	Silver nanoparticle-loaded microgel-based etalons for HO sensing.. <i>RSC Advances</i> , <b>2018</b> , 8, 15567-15574	3.7	11
59	Bioinspired wettable-nonwetable micropatterns for emerging applications. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 8101-8115	7.3	11
58	Core@Satellite Janus Nanomotors with pH-Responsive Multi-phoretic Propulsion. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14474-14478	3.6	10
57	Integrated Microdroplets Array for Intelligent Electrochemical Fabrication. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1910329	15.6	10
56	Comparison of Glucose Enzyme Electrodes Based on Dispersed Rhodium Particles and Cupric Hexacyanoferrate Within Carbon Paste Transducers. <i>Electroanalysis</i> , <b>2000</b> , 12, 1277-1281	3	10

55	Janus dendritic silica/carbon@Pt nanomotors with multiengines for HO, near-infrared light and lipase powered propulsion. <i>Soft Matter</i> , <b>2020</b> , 16, 9553-9558	3.6	10
54	Ultra-Trace Protein Detection by Integrating Lateral Flow Biosensor with Ultrasound Enrichment. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 2996-3001	7.8	10
53	Cellular Nanofiber Structure with Secretory Activity-Promoting Characteristics for Multicellular Spheroid Formation and Hair Follicle Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 7931-7941	9.5	9
52	A sensitive and rapid "off-on" fluorescent probe for the detection of esterase and its application in evaluating cell status and discrimination of living cells and dead cells. <i>Analyst, The</i> , <b>2020</b> , 145, 1408-1413 <sup>5</sup>		9
51	Exosomes-mediated synthetic Dicer substrates delivery for intracellular Dicer imaging detection. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 151, 111907	11.8	9
50	An electrochemical wearable sensor for levodopa quantification in sweat based on a metal-organic framework/graphene oxide composite with integrated enzymes. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 359, 131586	8.5	9
49	Algae Extraction Controllable Delamination of Vanadium Carbide Nanosheets with Enhanced Near-Infrared Photothermal Performance. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6663-6668	3.6	8
48	Advanced micro/nanomotors for enhanced bioadhesion and tissue penetration. <i>Applied Materials Today</i> , <b>2021</b> , 23, 101034	6.6	8
47	Functional DNA hexahedron for real-time detection of multiple microRNAs in living cells. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1078, 176-181	6.6	7
46	Dynamic Assembly of Microspheres under an Ultrasound Field. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 2440-2444	4.5	7
45	Thioether-bridged mesoporous organosilica nanocapsules with weak acid-triggered charge reversal for drug delivery. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 302, 110242	5.3	7
44	Magnetized Carbon Nanotube Based Lateral Flow Immunoassay for Visual Detection of Complement Factor B. <i>Molecules</i> , <b>2019</b> , 24,	4.8	7
43	Near-infrared light-driven yolk@shell carbon@silica nanomotors for fuel-free triglyceride degradation. <i>Nano Research</i> , <b>2021</b> , 14, 654-659	10	7
42	Cap-free dual stimuli-responsive biodegradable nanocarrier for controlled drug release and chemo-photothermal therapy. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 8188-8195	7.3	7
41	Flexible Biosensors Based on Colorimetry, Fluorescence, and Electrochemistry for Point-of-Care Testing. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 753692	5.8	7
40	Acoustic aggregation-induced separation for enhanced fluorescence detection of Alzheimer $\beta$ biomarker. <i>Talanta</i> , <b>2021</b> , 233, 122517	6.2	7
39	Luminescent wearable biosensors based on gold nanocluster networks for "turn-on" detection of Uric acid, glucose and alcohol in sweat. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 192, 113530	11.8	7
38	Engineering Structural Metal-Organic Framework for Hypoxia-Tolerant Type I Photodynamic Therapy against Hypoxic Cancer <b>2021</b> , 3, 781-789		6

37	A Green Route for Substrate-Independent Oil-Repellent Coatings. <i>Scientific Reports</i> , <b>2016</b> , 6, 38016	4.9	6
36	A distance-based capillary biosensor using wettability alteration. <i>Lab on A Chip</i> , <b>2021</b> , 21, 719-724	7.2	6
35	Fluorescence proximity assay based on a metal-organic framework platform. <i>Chemical Communications</i> , <b>2019</b> , 55, 8158-8161	5.8	5
34	Accurate detection of intracellular microRNAs using functional MoC quantum dots nanoprobe. <i>Chemical Communications</i> , <b>2019</b> , 55, 10615-10618	5.8	5
33	Recent advances in optical imaging of biomarkers in vivo. <i>Nano Today</i> , <b>2021</b> , 38, 101156	17.9	5
32	Exploration of accessibility of internal pore surface by using rigid nanoparticles as a probe for constructing the integrated nanocomposites. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 815, 152641	5.7	5
31	On-demand mixing and dispersion in mini-pillar based microdroplets. <i>Nanoscale</i> , <b>2021</b> , 13, 739-745	7.7	5
30	Powering bioanalytical applications in biomedicine with light-responsive Janus micro-/nanomotors.. <i>Mikrochimica Acta</i> , <b>2022</b> , 189, 116	5.8	5
29	A Voltage-Responsive Free-Blockage Controlled-Release System Based on Hydrophobicity Switching. <i>ChemPhysChem</i> , <b>2017</b> , 18, 1317-1323	3.2	4
28	A Versatile Sunscreen with Minimal ROS Damage and Low Permeability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 6217-6225	9.5	4
27	Target-triggered regioselective assembly of nanoprobe for Raman imaging of dual cancer biomarkers in living cells. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 330, 129319	8.5	4
26	Ultrasensitive electrochemical detection of miRNA based on polymerization signal amplification. <i>Talanta</i> , <b>2021</b> , 235, 122744	6.2	4
25	MicroRNA Detection and Pathological Functions. <i>Springer Briefs in Molecular Science</i> , <b>2015</b> ,	0.6	3
24	Nanobiosensing for Clinical Diagnosis <b>2011</b> , 535-567		3
23	Target-induced molecular-switch on triple-helix DNA-functionalized carbon nanotubes for simultaneous visual detection of nucleic acids and proteins. <i>Chemical Communications</i> , <b>2020</b> , 56, 13657-13660	5.8	3
22	Ultrafine nano-TiO <sub>2</sub> loaded on dendritic porous silica nanoparticles for robust transparent antifogging self-cleaning nanocoatings. <i>Ceramics International</i> , <b>2020</b> , 46, 23651-23661	5.1	3
21	Gold nanorods-based lateral flow biosensors for sensitive detection of nucleic acids. <i>Mikrochimica Acta</i> , <b>2021</b> , 188, 133	5.8	3
20	Gold-platinum nanoflowers as colored and catalytic labels for ultrasensitive lateral flow MicroRNA-21 assay. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 344, 130325	8.5	3

19	Size-effect of gold nanorods on modulating the kinetic process of amyloid- $\beta$ aggregation. <i>Chemical Physics Letters</i> , <b>2019</b> , 734, 136702	2.5	2
18	Zinc ion induced prefibrillar oligomerization of A $\beta$ peptides: From nanocoin to nanobelt. <i>Chemical Physics Letters</i> , <b>2014</b> , 608, 201-206	2.5	2
17	Nanostructured Mimic Enzymes for Biocatalysis and Biosensing <b>2011</b> , 85-109		2
16	Dendritic porous silica nanoparticles with high-curvature structures for a dual-mode DNA sensor based on fluorometer and person glucose meter. <i>Mikrochimica Acta</i> , <b>2021</b> , 188, 407	5.8	2
15	Shedding Light on DNA-Based Nanoprobes for Live-Cell MicroRNA Imaging. <i>Small</i> , <b>2021</b> , e2106281	11	2
14	Nitrogen-doped porous carbon with complicated architecture and superior K <sup>+</sup> storage performance. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 396-400	5.8	2
13	Ultra-trace enriching biosensing in nanoliter sample.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 210, 114297	11.8	2
12	Rail-Assisted Dynamic Assembly of Metallic Nanowires. <i>Advanced Intelligent Systems</i> , <b>2019</b> , 1, 1900100	6	1
11	A Multimode Responsive Aptasensor for Adenosine Detection. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-7	3.2	1
10	Carbon Nanofiber-Based Nanocomposites for Biosensing <b>2011</b> , 147-170		1
9	Wireless USB-like electrochemical platform for individual electrochemical sensing in microdroplets.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1197, 339526	6.6	1
8	Portable point-of-care diagnostic devices: an updated review. <i>Analytical Methods</i> , <b>2021</b> , 13, 5418-5435	3.2	1
7	Stimuli-responsive microgels for controlled deposition of gold nanoparticles on surfaces. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 5242-5253	5.1	1
6	Aggregation-induced emission (AIE)-Based nanocomposites for intracellular biological process monitoring and photodynamic therapy. <i>Biomaterials</i> , <b>2022</b> , 121603	15.6	0
5	Intracellular and Organic miRNA In Situ Detection. <i>Springer Briefs in Molecular Science</i> , <b>2015</b> , 87-98	0.6	
4	miRNA Electrochemical Detection. <i>Springer Briefs in Molecular Science</i> , <b>2015</b> , 37-56	0.6	
3	miRNA Optical Detection. <i>Springer Briefs in Molecular Science</i> , <b>2015</b> , 57-75	0.6	
2	Cytosensing and Cell Surface Carbohydrate Assay by Assembly of Nanoparticles <b>2011</b> , 485-534		

- 1 Detection of the effect of polydopamine (PDA)-coated polydimethylsiloxane (PDMS) substrates on the release of HO from a single HeLa cell. *Analyst, The*, **2021**, 146, 6445-6449 5