

Xue-Ji Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

603
papers

28,862
citations

5558

82
h-index

12558

132
g-index

613
all docs

613
docs citations

613
times ranked

30449
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | MicroRNA: Function, Detection, and Bioanalysis. <i>Chemical Reviews</i> , 2013, 113, 6207-6233. | 23.0 | 1,006 |
| 2 | Biodegradable Biomimic Copper/Manganese Silicate Nanospheres for Chemodynamic/Photodynamic Synergistic Therapy with Simultaneous Glutathione Depletion and Hypoxia Relief. <i>ACS Nano</i> , 2019, 13, 4267-4277. | 7.3 | 513 |
| 3 | Measurement of Nitric Oxide Production in Biological Systems by Using Griess Reaction Assay. <i>Sensors</i> , 2003, 3, 276-284. | 2.1 | 491 |
| 4 | Erythrocyte-like Cancer Hybrid Membrane Camouflaged Hollow Copper Sulfide Nanoparticles for Prolonged Circulation Life and Homotypic-Targeting Photothermal/Chemotherapy of Melanoma. <i>ACS Nano</i> , 2018, 12, 5241-5252. | 7.3 | 378 |
| 5 | An open source and reduce expenditure ROS generation strategy for chemodynamic/photodynamic synergistic therapy. <i>Nature Communications</i> , 2020, 11, 1735. | 5.8 | 343 |
| 6 | Dual-scaled Porous Nitrocellulose Membranes with Underwater Superoleophobicity for Highly Efficient Oil/Water Separation. <i>Advanced Materials</i> , 2014, 26, 1771-1775. | 11.1 | 311 |
| 7 | Fuel-free Synthetic Micro-Nanomachines. <i>Advanced Materials</i> , 2017, 29, 1603250. | 11.1 | 310 |
| 8 | Fluorescent MoS ₂ Quantum Dots: Ultrasonic Preparation, Up-Conversion and Down-Conversion Bioimaging, and Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3107-3114. | 4.0 | 267 |
| 9 | Reversible Swarming and Separation of Self-Propelled Chemically Powered Nanomotors under Acoustic Fields. <i>Journal of the American Chemical Society</i> , 2015, 137, 2163-2166. | 6.6 | 258 |
| 10 | Highly Sensitive Multiple microRNA Detection Based on Fluorescence Quenching of Graphene Oxide and Isothermal Strand-Displacement Polymerase Reaction. <i>Analytical Chemistry</i> , 2012, 84, 4587-4593. | 3.2 | 247 |
| 11 | Metal-Organic Framework Nanoshuttle for Synergistic Photodynamic and Low-Temperature Photothermal Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1804634. | 7.8 | 238 |
| 12 | Enzyme-powered Janus platelet cell robots for active and targeted drug delivery. <i>Science Robotics</i> , 2020, 5, . | 9.9 | 236 |
| 13 | Mesoporous silica nanoparticles with organo-bridged silsesquioxane framework as innovative platforms for bioimaging and therapeutic agent delivery. <i>Biomaterials</i> , 2016, 91, 90-127. | 5.7 | 224 |
| 14 | Engineered Exosome-Mediated Near-Infrared-II Region V ₂ C Quantum Dot Delivery for Nucleus-Target Low-Temperature Photothermal Therapy. <i>ACS Nano</i> , 2019, 13, 1499-1510. | 7.3 | 218 |
| 15 | Multifunctional conductive hydrogel-based flexible wearable sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116130. | 5.8 | 207 |
| 16 | Ethylenediamine-assisted hydrothermal synthesis of nitrogen-doped carbon quantum dots as fluorescent probes for sensitive biosensing and bioimaging. <i>Sensors and Actuators B: Chemical</i> , 2015, 218, 229-236. | 4.0 | 206 |
| 17 | Potential Oxidative Stress of Gold Nanoparticles by Induced-NO Releasing in Serum. <i>Journal of the American Chemical Society</i> , 2009, 131, 40-41. | 6.6 | 198 |
| 18 | Layered nanofiber sponge with an improved capacity for promoting blood coagulation and wound healing. <i>Biomaterials</i> , 2019, 204, 70-79. | 5.7 | 192 |

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|----|---|-----|-----------|
| 19 | Detection of NADH and Ethanol Based on Catalytic Activity of Soluble Carbon Nanofiber with Low Overpotential. <i>Analytical Chemistry</i> , 2007, 79, 453-458. | 3.2 | 190 |
| 20 | Biocompatible Conductive Architecture of Carbon Nanofiber-Doped Chitosan Prepared with Controllable Electrodeposition for Cytosensing. <i>Analytical Chemistry</i> , 2007, 79, 4442-4447. | 3.2 | 189 |
| 21 | Ultrasensitive nucleic acid biosensor based on enzyme-gold nanoparticle dual label and lateral flow strip biosensor. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2018-2024. | 5.3 | 186 |
| 22 | Ultrasound propulsion of micro-/nanomotors. <i>Applied Materials Today</i> , 2017, 9, 493-503. | 2.3 | 182 |
| 23 | Dumbbell-shaped carbon quantum dots/AuNCs nanohybrid as an efficient ratiometric fluorescent probe for sensing cadmium (II) ions and L-ascorbic acid. <i>Carbon</i> , 2016, 96, 1034-1042. | 5.4 | 180 |
| 24 | 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 & Interfaces</i> , 2017, 9, 159-166. | 4.0 | 180 |
| 25 | Trace and Label-Free MicroRNA Detection Using Oligonucleotide Encapsulated Silver Nanoclusters as Probes. <i>Analytical Chemistry</i> , 2012, 84, 8670-8674. | 3.2 | 179 |
| 26 | Tunable Fabrication of Molybdenum Disulfide Quantum Dots for Intracellular MicroRNA Detection and Multiphoton Bioimaging. <i>Small</i> , 2015, 11, 4158-4164. | 5.2 | 178 |
| 27 | Cobalt and Copper Hexacyanoferrate Modified Carbon Fiber Microelectrode as an All-Solid Potentiometric Microsensor for Hydrazine. <i>Electroanalysis</i> , 2000, 12, 48-54. | 1.5 | 177 |
| 28 | Ultrasound-Modulated Bubble Propulsion of Chemically Powered Microengines. <i>Journal of the American Chemical Society</i> , 2014, 136, 8552-8555. | 6.6 | 177 |
| 29 | Microfluidic Chip-Based Wearable Colorimetric Sensor for Simple and Facile Detection of Sweat Glucose. <i>Analytical Chemistry</i> , 2019, 91, 14803-14807. | 3.2 | 176 |
| 30 | Nacre-Inspired Design of Mechanical Stable Coating with Underwater Superoleophobicity. <i>ACS Nano</i> , 2013, 7, 5077-5083. | 7.3 | 172 |
| 31 | Graphene quantum dots induce apoptosis, autophagy, and inflammatory response via p38 mitogen-activated protein kinase and nuclear factor- κ B mediated signaling pathways in activated THP-1 macrophages. <i>Toxicology</i> , 2015, 327, 62-76. | 2.0 | 167 |
| 32 | Unlocking the Electrocatalytic Activity of Antimony for CO ₂ Reduction by Two-Dimensional Engineering of the Bulk Material. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14718-14722. | 7.2 | 164 |
| 33 | Multiscale Disordered Porous Fibers for Self-Sensing and Self-Cooling Integrated Smart Sportswear. <i>ACS Nano</i> , 2020, 14, 559-567. | 7.3 | 162 |
| 34 | Self-Powered Triboelectric Nanosensor with Poly(tetrafluoroethylene) Nanoparticle Arrays for Dopamine Detection. <i>ACS Nano</i> , 2015, 9, 8376-8383. | 7.3 | 161 |
| 35 | A Cloud-Based Car Parking Middleware for IoT-Based Smart Cities: Design and Implementation. <i>Sensors</i> , 2014, 14, 22372-22393. | 2.1 | 156 |
| 36 | Three-dimensional Nitrogen-Doped Graphene Supported Molybdenum Disulfide Nanoparticles as an Advanced Catalyst for Hydrogen Evolution Reaction. <i>Scientific Reports</i> , 2015, 5, 17542. | 1.6 | 156 |

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|----|--|------|-----------|
| 37 | Nanomedicine: Magnetic Nanoparticles and their Biomedical Applications. <i>Current Medicinal Chemistry</i> , 2010, 17, 3120-3141. | 1.2 | 155 |
| 38 | Artificial intelligence biosensors: Challenges and prospects. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112412. | 5.3 | 153 |
| 39 | Electronic Structure Engineering of Cu ₂ O Film/ZnO Nanorods Array All-Oxide p-n Heterostructure for Enhanced Photoelectrochemical Property and Self-powered Biosensing Application. <i>Scientific Reports</i> , 2015, 5, 7882. | 1.6 | 151 |
| 40 | Disulfide-Bridged Organosilica Frameworks: Designed, Synthesis, Redox-Triggered Biodegradation, and Nanobiomedical Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1707325. | 7.8 | 150 |
| 41 | Zirconium-Based Porphyrinic Metal-Organic Framework (PCN-222): Enhanced Photoelectrochemical Response and Its Application for Label-Free Phosphoprotein Detection. <i>Analytical Chemistry</i> , 2016, 88, 11207-11212. | 3.2 | 146 |
| 42 | Electrochemical hydrogen sulfide biosensors. <i>Analyst</i> , 2016, 141, 1185-1195. | 1.7 | 143 |
| 43 | Enhanced cancer therapy by hypoxia-responsive copper metal-organic frameworks nanosystem. <i>Biomaterials</i> , 2020, 258, 120278. | 5.7 | 140 |
| 44 | Functionalized Graphene Oxide Mediated Adriamycin Delivery and miR-21 Gene Silencing to Overcome Tumor Multidrug Resistance In Vitro. <i>PLoS ONE</i> , 2013, 8, e60034. | 1.1 | 140 |
| 45 | Flexible and Superwetable Bands as a Platform toward Sweat Sampling and Sensing. <i>Analytical Chemistry</i> , 2019, 91, 4296-4300. | 3.2 | 136 |
| 46 | Recent Progress on Smart Fiber and Textile Based Wearable Strain Sensors: Materials, Fabrications and Applications. <i>Advanced Fiber Materials</i> , 2022, 4, 361-389. | 7.9 | 136 |
| 47 | Ultrasensitive DNA Detection Based on the Condensing-Enrichment Effect of Superwetable Microchips. <i>Advanced Materials</i> , 2015, 27, 6878-6884. | 11.1 | 135 |
| 48 | Enhanced photoelectrochemical property of ZnO nanorods array synthesized on reduced graphene oxide for self-powered biosensing application. <i>Biosensors and Bioelectronics</i> , 2015, 64, 499-504. | 5.3 | 133 |
| 49 | Graphene-Based Biosensors for Detection of Biomarkers. <i>Micromachines</i> , 2020, 11, 60. | 1.4 | 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. <i>Cancer Letters</i> , 2014, 344, 239-259. | 3.2 | 131 |
| 51 | Strong Antibacterial Polydopamine Coatings Prepared by a Shaking-assisted Method. <i>Scientific Reports</i> , 2016, 6, 24420. | 1.6 | 130 |
| 52 | TiO ₂ Nanosheets with the Au Nanocrystal-Decorated Edge for Mitochondria-Targeting Enhanced Sonodynamic Therapy. <i>Chemistry of Materials</i> , 2019, 31, 9105-9114. | 3.2 | 129 |
| 53 | Graphene quantum dots for the inhibition of I ² amyloid aggregation. <i>Nanoscale</i> , 2015, 7, 19060-19065. | 2.8 | 126 |
| 54 | Stretchable Conductive Fibers of Ultrahigh Tensile Strain and Stable Conductance Enabled by a Worm-Shaped Graphene Microlayer. <i>Nano Letters</i> , 2019, 19, 6592-6599. | 4.5 | 126 |

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|----|---|------|-----------|
| 55 | Solid-state pH nanoelectrode based on polyaniline thin film electrodeposited onto ion-beam etched carbon fiber. <i>Analytica Chimica Acta</i> , 2002, 452, 1-10. | 2.6 | 123 |
| 56 | An Ion-Induced Low-Oil-Adhesion Organic/Inorganic Hybrid Film for Stable Superoleophobicity in Seawater. <i>Advanced Materials</i> , 2013, 25, 606-611. | 11.1 | 123 |
| 57 | Visual detection of microRNA with lateral flow nucleic acid biosensor. <i>Biosensors and Bioelectronics</i> , 2014, 54, 578-584. | 5.3 | 122 |
| 58 | Integrated Smart Janus Textile Bands for Self-Pumping Sweat Sampling and Analysis. <i>ACS Sensors</i> , 2020, 5, 1548-1554. | 4.0 | 120 |
| 59 | Algae Extraction Controllable Delamination of Vanadium Carbide Nanosheets with Enhanced Near-Infrared Photothermal Performance. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6601-6606. | 7.2 | 118 |
| 60 | Amperometric glucose sensor based on catalytic reduction of dissolved oxygen at soluble carbon nanofiber. <i>Biosensors and Bioelectronics</i> , 2007, 23, 479-484. | 5.3 | 116 |
| 61 | Light-triggered theranostic liposomes for tumor diagnosis and combined photodynamic and hypoxia-activated prodrug therapy. <i>Biomaterials</i> , 2018, 185, 301-309. | 5.7 | 116 |
| 62 | An evidence-based update on the pharmacological activities and possible molecular targets of <i>Lycium barbarum</i> polysaccharides. <i>Drug Design, Development and Therapy</i> , 2015, 9, 33. | 2.0 | 114 |
| 63 | Hollow Carbon Nanospheres with Tunable Hierarchical Pores for Drug, Gene, and Photothermal Synergistic Treatment. <i>Small</i> , 2017, 13, 1602592. | 5.2 | 111 |
| 64 | Multifunctional Poly(<i>l</i> -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 & Interfaces</i> , 2015, 7, 11015-11023. | 4.0 | 110 |
| 65 | Bioinspired superwetable micropatterns for biosensing. <i>Chemical Society Reviews</i> , 2019, 48, 3153-3165. | 18.7 | 110 |
| 66 | Fabricating Aptamer-Conjugated PEGylated MoS ₂ /Cu _{1.8} S Theranostic Nanoplatfor for Multiplexed Imaging Diagnosis and Chemo-Photothermal Therapy of Cancer. <i>Advanced Functional Materials</i> , 2017, 27, 1605592. | 7.8 | 107 |
| 67 | A Bacteriochlorin-Based Metal-Organic Framework Nanosheet Superoxide Radical Generator for Photoacoustic Imaging-Guided Highly Efficient Photodynamic Therapy. <i>Advanced Science</i> , 2019, 6, 1900530. | 5.6 | 105 |
| 68 | Cancer Cell Membrane Camouflaged Nanoprobe for Catalytic Ratiometric Photoacoustic Imaging of MicroRNA in Living Mice. <i>Advanced Materials</i> , 2019, 31, e1807888. | 11.1 | 105 |
| 69 | Nature Inspired MXene-Decorated 3D Honeycomb-Fabric Architectures Toward Efficient Water Desalination and Salt Harvesting. <i>Nano-Micro Letters</i> , 2022, 14, 10. | 14.4 | 104 |
| 70 | Selenium delays tomato fruit ripening by inhibiting ethylene biosynthesis and enhancing the antioxidant defense system. <i>Food Chemistry</i> , 2017, 219, 179-184. | 4.2 | 101 |
| 71 | Bacterial Vesicle-Cancer Cell Hybrid Membrane-Coated Nanoparticles for Tumor Specific Immune Activation and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41138-41147. | 4.0 | 100 |
| 72 | The role of sampling in wearable sweat sensors. <i>Talanta</i> , 2020, 212, 120801. | 2.9 | 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. <i>Carbon</i> , 2016, 109, 402-410. | 5.4 | 96 |
| 74 | Glucose Nanosensor Based on Prussian-Blue Modified Carbon-Fiber Cone Nanoelectrode and an Integrated Reference Electrode. <i>Electroanalysis</i> , 1999, 11, 945-949. | 1.5 | 93 |
| 75 | Near-infrared triggered strand displacement amplification for MicroRNA quantitative detection in single living cells. <i>Chemical Science</i> , 2018, 9, 1753-1759. | 3.7 | 92 |
| 76 | Ferrocyanide-Ferricyanide Redox Couple Induced Electrochemiluminescence Amplification of Carbon Dots for Ultrasensitive Sensing of Glutathione. <i>Analytical Chemistry</i> , 2015, 87, 11150-11156. | 3.2 | 91 |
| 77 | Intelligent MnO ₂ /Cu ₂ S for Multimode Imaging Diagnostic and Advanced Single-Laser Irradiated Photothermal/Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17732-17741. | 4.0 | 90 |
| 78 | Real time and in vivo monitoring of nitric oxide by electrochemical sensors- From dream to reality. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 3434. | 3.0 | 89 |
| 79 | Near-infrared triggered Ti ₃ C ₂ /g-C ₃ N ₄ heterostructure for mitochondria-targeting multimode photodynamic therapy combined photothermal therapy. <i>Nano Today</i> , 2020, 34, 100919. | 6.2 | 89 |
| 80 | One-Step Hydrothermal Fabrication of Three-dimensional MoS ₂ Nanoflower using Polypyrrole as Template for Efficient Hydrogen Evolution Reaction. <i>Scientific Reports</i> , 2017, 7, 42309. | 1.6 | 87 |
| 81 | Ultrathin Tellurium Oxide/Ammonium Tungsten Bronze Nanoribbon for Multimodality Imaging and Second Near-Infrared Region Photothermal Therapy. <i>Nano Letters</i> , 2019, 19, 1179-1189. | 4.5 | 87 |
| 82 | 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> , 2015, 9, 1511. | 2.0 | 86 |
| 83 | Gold nanoparticle/ZnO nanorod hybrids for enhanced reactive oxygen species generation and photodynamic therapy. <i>Nano Research</i> , 2015, 8, 2004-2014. | 5.8 | 85 |
| 84 | Target-Triggered Catalytic Hairpin Assembly-Induced Core-Satellite Nanostructures for High-Sensitive "Off-to-On" SERS Detection of Intracellular MicroRNA. <i>Analytical Chemistry</i> , 2018, 90, 10591-10599. | 3.2 | 85 |
| 85 | Multiplex microRNA imaging in living cells using DNA-capped-Au assembled hydrogels. <i>Chemical Science</i> , 2018, 9, 7419-7425. | 3.7 | 85 |
| 86 | Superwetttable Electrochemical Biosensor toward Detection of Cancer Biomarkers. <i>ACS Sensors</i> , 2018, 3, 72-78. | 4.0 | 84 |
| 87 | A Corrole-Based Covalent Organic Framework Featuring Desymmetrized Topology. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4354-4359. | 7.2 | 84 |
| 88 | Multifunctional hydrogel as wound dressing for intelligent wound monitoring. <i>Chemical Engineering Journal</i> , 2022, 433, 134625. | 6.6 | 84 |
| 89 | Glucose microsensors based on carbon paste enzyme electrodes modified with cupric hexacyanoferrate. <i>Analytica Chimica Acta</i> , 1999, 395, 11-16. | 2.6 | 82 |
| 90 | Electrochemically Induced Release of DNA from Gold Ultramicroelectrodes. <i>Langmuir</i> , 1999, 15, 6541-6545. | 1.6 | 82 |

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|-----|---|-----|-----------|
| 91 | Trends in Cell-Based Electrochemical Biosensors. <i>Current Medicinal Chemistry</i> , 2008, 15, 3160-3170. | 1.2 | 82 |
| 92 | Needle-Type Dual Microsensor for the Simultaneous Monitoring of Glucose and Insulin. <i>Analytical Chemistry</i> , 2001, 73, 844-847. | 3.2 | 81 |
| 93 | Lateral flow biosensors based on the use of micro- and nanomaterials: a review on recent developments. <i>Mikrochimica Acta</i> , 2020, 187, 70. | 2.5 | 81 |
| 94 | Bioinspired Superwetable Microspine Chips with Directional Droplet Transportation for Biosensing. <i>ACS Nano</i> , 2020, 14, 4654-4661. | 7.3 | 81 |
| 95 | Implantable Electrochemical Sensors for Biomedical and Clinical Applications: Progress, Problems, and Future Possibilities.. <i>Current Medicinal Chemistry</i> , 2007, 14, 937-951. | 1.2 | 80 |
| 96 | Sensitive fiber microelectrode made of nickel hydroxide nanosheets embedded in highly-aligned carbon nanotube scaffold for nonenzymatic glucose determination. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 23-28. | 4.0 | 80 |
| 97 | Structure-Dependent Optical Modulation of Propulsion and Collective Behavior of Acoustic/Light-Driven Hybrid Microbowls. <i>Advanced Functional Materials</i> , 2019, 29, 1809003. | 7.8 | 79 |
| 98 | Zirconium-Metalloporphyrin Frameworks-Luminol Competitive Electrochemiluminescence for Ratiometric Detection of Polynucleotide Kinase Activity. <i>Analytical Chemistry</i> , 2020, 92, 7354-7362. | 3.2 | 79 |
| 99 | Stable silver nanoclusters electrochemically deposited on nitrogen-doped graphene as efficient electrocatalyst for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2015, 274, 1173-1179. | 4.0 | 78 |
| 100 | DNA-Mediated Nanoscale Metal-Organic Frameworks for Ultrasensitive Photoelectrochemical Enzyme-Free Immunoassay. <i>Analytical Chemistry</i> , 2018, 90, 12284-12291. | 3.2 | 78 |
| 101 | Exploring the effects of selenium treatment on the nutritional quality of tomato fruit. <i>Food Chemistry</i> , 2018, 252, 9-15. | 4.2 | 77 |
| 102 | Flexible all-textile dual tactile-tension sensors for monitoring athletic motion during taekwondo. <i>Nano Energy</i> , 2021, 85, 105941. | 8.2 | 77 |
| 103 | Electrochemical Immunoassay of Membrane P-glycoprotein by Immobilization of Cells on Gold Nanoparticles Modified on a Methoxysilyl-Terminated Butyrylchitosan Matrix. <i>Biochemistry</i> , 2005, 44, 11539-11545. | 1.2 | 76 |
| 104 | Highly Sensitive and Selective MicroRNA Detection Based on DNA-Bio-Bar-Code and Enzyme-Assisted Strand Cycle Exponential Signal Amplification. <i>Analytical Chemistry</i> , 2015, 87, 4334-4340. | 3.2 | 76 |
| 105 | Self-powered electrochemical water treatment system for sterilization and algae removal using water wave energy. <i>Nano Energy</i> , 2015, 18, 81-88. | 8.2 | 76 |
| 106 | Size-dependent electrochemiluminescence behavior of water-soluble CdTe quantum dots and selective sensing of l-cysteine. <i>Talanta</i> , 2009, 77, 1654-1659. | 2.9 | 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. <i>Drug Design, Development and Therapy</i> , 2015, 9, 1601. | 2.0 | 75 |
| 108 | An enzyme-amplified lateral flow strip biosensor for visual detection of MicroRNA-224. <i>Talanta</i> , 2016, 146, 648-654. | 2.9 | 74 |

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|-----|--|-----|-----------|
| 109 | Superwetable Microchips as a Platform toward Microgravity Biosensing. <i>ACS Nano</i> , 2017, 11, 621-626. | 7.3 | 74 |
| 110 | Plasmonic Resonance Energy Transfer Enhanced Photodynamic Therapy with Au@SiO ₂ @Cu ₂ O/Perfluorohexane Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6991-7002. | 4.0 | 74 |
| 111 | Pd@Au Bimetallic Nanoplates Decorated Mesoporous MnO ₂ for Synergistic Nucleus-Targeted NIR-II Photothermal and Hypoxia-Relieved Photodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901528. | 3.9 | 74 |
| 112 | Fully integrated flexible biosensor for wearable continuous glucose monitoring. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113760. | 5.3 | 74 |
| 113 | Electrochemically Mediated Surface-Initiated de Novo Growth of Polymers for Amplified Electrochemical Detection of DNA. <i>Analytical Chemistry</i> , 2017, 89, 9253-9259. | 3.2 | 73 |
| 114 | A lightweight MXene-Coated nonwoven fabric with excellent flame Retardancy, EMI Shielding, and Electrothermal/Photothermal conversion for wearable heater. <i>Chemical Engineering Journal</i> , 2022, 430, 132605. | 6.6 | 71 |
| 115 | Biospired Janus Silk E-Textiles with Wet-Thermal Comfort for Highly Efficient Biofluid Monitoring. <i>Nano Letters</i> , 2021, 21, 8880-8887. | 4.5 | 71 |
| 116 | Papilla-like magnetic particles with hierarchical structure for oil removal from water. <i>Chemical Communications</i> , 2013, 49, 8752. | 2.2 | 70 |
| 117 | AIE-based superwetable microchips for evaporation and aggregation induced fluorescence enhancement biosensing. <i>Biosensors and Bioelectronics</i> , 2018, 111, 124-130. | 5.3 | 69 |
| 118 | Superwetable nanodendritic gold substrates for direct miRNA SERS detection. <i>Nanoscale</i> , 2018, 10, 20990-20994. | 2.8 | 69 |
| 119 | Rattle-type Au@Cu ₂ S hollow mesoporous nanocrystals with enhanced photothermal efficiency for intracellular oncogenic microRNA detection and chemo-photothermal therapy. <i>Biomaterials</i> , 2018, 158, 23-33. | 5.7 | 68 |
| 120 | Impedance labelless detection-based polypyrrole DNA biosensor. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 180. | 3.0 | 67 |
| 121 | Smart Textile Based on 3D Stretchable Silver Nanowires/MXene Conductive Networks for Personal Healthcare and Thermal Management. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 56607-56619. | 4.0 | 67 |
| 122 | An Integrated Nitric Oxide Sensor Based on Carbon Fiber Coated with Selective Membranes. <i>Electroanalysis</i> , 2000, 12, 1113-1117. | 1.5 | 66 |
| 123 | Electrochemical Sensors for Nitric Oxide Detection in Biological Applications. <i>Electroanalysis</i> , 2014, 26, 449-468. | 1.5 | 65 |
| 124 | Clinical pharmacology of dipeptidyl peptidase 4 inhibitors indicated for the treatment of type 2 diabetes mellitus. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 999-1024. | 0.9 | 65 |
| 125 | Imaging multiple microRNAs in living cells using ATP self-powered strand-displacement cascade amplification. <i>Chemical Science</i> , 2018, 9, 1184-1190. | 3.7 | 65 |
| 126 | Control of capillary behavior through target-responsive hydrogel permeability alteration for sensitive visual quantitative detection. <i>Nature Communications</i> , 2019, 10, 1036. | 5.8 | 65 |

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|-----|--|-----|-----------|
| 127 | Flexible, self-healable, adhesive and wearable hydrogel patch for colorimetric sweat detection. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14938-14945. | 2.7 | 65 |
| 128 | Zirconium-based metalloporphyrin frameworks as a three-in-one platform possessing oxygen nanocage, electron media, and bonding site for electrochemiluminescence protein kinase activity assay. <i>Nanoscale</i> , 2016, 8, 11649-11657. | 2.8 | 64 |
| 129 | Recent advances in the chemical imaging of human fingermarks (a review). <i>Analyst</i> , 2016, 141, 6172-6189. | 1.7 | 64 |
| 130 | Biosensors for early diagnosis of pancreatic cancer: a review. <i>Translational Research</i> , 2019, 213, 67-89. | 2.2 | 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. <i>Drug Design, Development and Therapy</i> , 2015, 9, 1627. | 2.0 | 63 |
| 132 | Dendrimer-like hybrid particles with tunable hierarchical pores. <i>Nanoscale</i> , 2015, 7, 6173-6184. | 2.8 | 63 |
| 133 | Nanodendritic gold/graphene-based biosensor for tri-mode miRNA sensing. <i>Chemical Communications</i> , 2019, 55, 1742-1745. | 2.2 | 63 |
| 134 | Tendril-Inspired 900% Ultrastretching Fiber-Based Zn-Ion Batteries for Wearable Energy Textiles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17110-17117. | 4.0 | 61 |
| 135 | Fabricating Pt/Sn-In ₂ O ₃ Nanoflower with Advanced Oxygen Reduction Reaction Performance for High-Sensitivity MicroRNA Electrochemical Detection. <i>Analytical Chemistry</i> , 2017, 89, 648-655. | 3.2 | 59 |
| 136 | Facile colorimetric assay of alkaline phosphatase activity using Fe(II)-phenanthroline reporter. <i>Analytica Chimica Acta</i> , 2017, 950, 170-177. | 2.6 | 59 |
| 137 | Electrochemical sensing platform based on molecularly imprinted polymer decorated N,S co-doped activated graphene for ultrasensitive and selective determination of cyclophosphamide. <i>Talanta</i> , 2017, 164, 601-607. | 2.9 | 59 |
| 138 | Flexible Superwetable Tapes for On-Site Detection of Heavy Metals. <i>Analytical Chemistry</i> , 2018, 90, 14105-14110. | 3.2 | 59 |
| 139 | Non-Fenton Type Hydroxyl Radical Generation and Photothermal Effect by Mitochondria-Targeted WSSe/MnO ₂ Nanocomposite Loaded with Isoniazid for Synergistic Anticancer Treatment. <i>Advanced Functional Materials</i> , 2019, 29, 1903850. | 7.8 | 59 |
| 140 | Fabrication, Characterization, and Potential Application of Carbon Fiber Cone Nanometer-Size Electrodes. <i>Analytical Chemistry</i> , 1996, 68, 3338-3343. | 3.2 | 58 |
| 141 | Label-free and ultrasensitive microRNA detection based on novel molecular beacon binding readout and target recycling amplification. <i>Biosensors and Bioelectronics</i> , 2014, 53, 377-383. | 5.3 | 58 |
| 142 | Lectin approaches for glycoproteomics in FDA-approved cancer biomarkers. <i>Expert Review of Proteomics</i> , 2014, 11, 227-236. | 1.3 | 58 |
| 143 | Chemical etching of bovine serum albumin-protected Au ₂₅ nanoclusters for label-free and separation-free detection of cysteamine. <i>Biosensors and Bioelectronics</i> , 2015, 66, 155-161. | 5.3 | 58 |
| 144 | Unlocking the Electrocatalytic Activity of Antimony for CO ₂ Reduction by Two-Dimensional Engineering of the Bulk Material. <i>Angewandte Chemie</i> , 2017, 129, 14910-14914. | 1.6 | 58 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Bioinspired DNA-Inorganic Hybrid Nanoflowers Combined with a Personal Glucose Meter for Onsite Detection of miRNA. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42050-42057. | 4.0 | 58 |
| 146 | Gold Nanoparticle Enrichment Method for Identifying S-Nitrosylation and S-Glutathionylation Sites in Proteins. <i>Journal of the American Chemical Society</i> , 2010, 132, 11392-11394. | 6.6 | 57 |
| 147 | Space-confined fabrication of silver nanodendrites and their enhanced SERS activity. <i>Nanoscale</i> , 2013, 5, 4284. | 2.8 | 57 |
| 148 | Recent Advance on Mesoporous Silica Nanoparticles-Based Controlled Release System: Intelligent Switches Open up New Horizon. <i>Nanomaterials</i> , 2015, 5, 2019-2053. | 1.9 | 57 |
| 149 | Targeting Na ⁺ /K ⁺ -translocating adenosine triphosphatase in cancer treatment. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 427-443. | 0.9 | 57 |
| 150 | Clinical Association Between Pharmacogenomics and Adverse Drug Reactions. <i>Drugs</i> , 2015, 75, 589-631. | 4.9 | 57 |
| 151 | Oxidase-mimicking activity of the nitrogen-doped Fe ₃ C@C composites. <i>Chemical Communications</i> , 2017, 53, 3882-3885. | 2.2 | 57 |
| 152 | Highly sensitive and selective chemiluminescent imaging for DNA detection by ligation-mediated rolling circle amplified synthesis of DNAzyme. <i>Biosensors and Bioelectronics</i> , 2013, 41, 348-353. | 5.3 | 56 |
| 153 | Carbon Nitride Nanosheet-Supported Porphyrin: A New Biomimetic Catalyst for Highly Efficient Bioanalysis. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 543-552. | 4.0 | 56 |
| 154 | MicroRNA Triggered DNA Nano Wheel for Visualizing Intracellular microRNA via Localized DNA Cascade Reaction. <i>Analytical Chemistry</i> , 2019, 91, 9828-9835. | 3.2 | 56 |
| 155 | Novel Calibration Method for Nitric Oxide Microsensors by Stoichiometrical Generation of Nitric Oxide from SNAP. <i>Electroanalysis</i> , 2000, 12, 425-428. | 1.5 | 55 |
| 156 | Biodegradable Metal-Organic Frameworks Power DNAzyme for in Vivo Temporal-Spatial Control Fluorescence Imaging of Aberrant MicroRNA and Hypoxic Tumor. <i>Analytical Chemistry</i> , 2020, 92, 8333-8339. | 3.2 | 55 |
| 157 | Amperometric sensor for ethanol based on one-step electropolymerization of thionine-carbon nanofiber nanocomposite containing alcohol oxidase†. <i>Talanta</i> , 2007, 74, 387-392. | 2.9 | 54 |
| 158 | Ultrasensitive and Multiple Disease-Related MicroRNA Detection Based on Tetrahedral DNA Nanostructures and Duplex-Specific Nuclease-Assisted Signal Amplification. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33499-33505. | 4.0 | 54 |
| 159 | Cancer Cell Membrane Camouflaged Semi-Yolk@Spiky-Shell Nanomotor for Enhanced Cell Adhesion and Synergistic Therapy. <i>Small</i> , 2020, 16, e2003834. | 5.2 | 54 |
| 160 | Integrated Ultrasonic Aggregation-Induced Enrichment with Raman Enhancement for Ultrasensitive and Rapid Biosensing. <i>Analytical Chemistry</i> , 2020, 92, 7816-7821. | 3.2 | 54 |
| 161 | An electrochemical non-enzymatic immunosensor for ultrasensitive detection of microcystin-LR using carbon nanofibers as the matrix. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 624-632. | 4.0 | 53 |
| 162 | Dendritic porous yolk@ordered mesoporous shell structured heterogeneous nanocatalysts with enhanced stability. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21560-21569. | 5.2 | 53 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Bioinspired polydopamine as the scaffold for the active AuNPs anchoring and the chemical simultaneously reduced graphene oxide: Characterization and the enhanced biosensing application. <i>Biosensors and Bioelectronics</i> , 2013, 49, 466-471. | 5.3 | 52 |
| 164 | A 3D Printed Hanging Drop Dropper for Tumor Spheroids Analysis Without Recovery. <i>Scientific Reports</i> , 2019, 9, 19717. | 1.6 | 52 |
| 165 | Core@Satellite Janus Nanomotors with pH-Responsive Multi-phoretic Propulsion. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14368-14372. | 7.2 | 52 |
| 166 | Single-atom catalysts boost nitrogen electroreduction reaction. <i>Materials Today</i> , 2020, 38, 99-113. | 8.3 | 52 |
| 167 | DACT2 is a functional tumor suppressor through inhibiting Wnt/ β^2 -catenin pathway and associated with poor survival in colon cancer. <i>Oncogene</i> , 2015, 34, 2575-2585. | 2.6 | 51 |
| 168 | Preparation of glycine mediated graphene oxide/g-C ₃ N ₄ lamellar membranes for nanofiltration. <i>Journal of Membrane Science</i> , 2020, 601, 117948. | 4.1 | 51 |
| 169 | Coaxial electrospinning of polycaprolactone@chitosan: Characterization and silver nanoparticles incorporation for antibacterial activity. <i>Reactive and Functional Polymers</i> , 2016, 107, 87-92. | 2.0 | 50 |
| 170 | Br-PADAP embedded in cellulose acetate electrospun nanofibers: Colorimetric sensor strips for visual uranyl recognition. <i>Journal of Hazardous Materials</i> , 2017, 329, 205-210. | 6.5 | 50 |
| 171 | Sensitive and selective colorimetric assay of alkaline phosphatase activity with Cu(II)-phenanthroline complex. <i>Talanta</i> , 2017, 163, 146-152. | 2.9 | 50 |
| 172 | Microdroplet-captured tapes for rapid sampling and SERS detection of food contaminants. <i>Biosensors and Bioelectronics</i> , 2020, 152, 112013. | 5.3 | 50 |
| 173 | DNA-based intelligent logic controlled release systems. <i>Chemical Communications</i> , 2012, 48, 8410. | 2.2 | 49 |
| 174 | In situ growth cupric oxide nanoparticles on carbon nanofibers for sensitive nonenzymatic sensing of glucose. <i>Electrochimica Acta</i> , 2013, 105, 433-438. | 2.6 | 48 |
| 175 | Wettability behavior of special microscale ZnO nail-coated mesh films for oil-water separation. <i>Journal of Colloid and Interface Science</i> , 2015, 458, 79-86. | 5.0 | 48 |
| 176 | Value of the Debris of Reduction Sculpture: Thiol Etching of Au Nanoclusters for Preparing Water-Soluble and Aggregation-Induced Emission-Active Au(I) Complexes as Phosphorescent Copper Ion Sensor. <i>Analytical Chemistry</i> , 2016, 88, 6071-6077. | 3.2 | 48 |
| 177 | Electrochemically mediated polymerization for highly sensitive detection of protein kinase activity. <i>Biosensors and Bioelectronics</i> , 2018, 110, 52-57. | 5.3 | 48 |
| 178 | Integration of adsorption and reduction for uranium uptake based on SrTiO ₃ /TiO ₂ electrospun nanofibers. <i>Applied Surface Science</i> , 2018, 428, 819-824. | 3.1 | 48 |
| 179 | MoS ₂ nanoparticles coupled to SnS ₂ nanosheets: The structural and electronic modulation for synergetic electrocatalytic hydrogen evolution. <i>Journal of Catalysis</i> , 2018, 366, 8-15. | 3.1 | 48 |
| 180 | Bioinspired Framework Nucleic Acid Capture Sensitive and Rapidly Resolving MicroRNAs Biomarkers in Living Cells. <i>Analytical Chemistry</i> , 2020, 92, 4411-4418. | 3.2 | 48 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 181 | 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> , 2022, 359, 131586. | 4.0 | 48 |
| 182 | Nitric Oxide Selective Electrodes. <i>Methods in Enzymology</i> , 2008, 436, 63-95. | 0.4 | 47 |
| 183 | Synthesis and Biological Evaluation of Novel Folic Acid Receptor-Targeted, β -Cyclodextrin-Based Drug Complexes for Cancer Treatment. <i>PLoS ONE</i> , 2013, 8, e62289. | 1.1 | 47 |
| 184 | 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> , 2015, 9, 575. | 2.0 | 47 |
| 185 | Superwetable microchips with improved spot homogeneity toward sensitive biosensing. <i>Biosensors and Bioelectronics</i> , 2018, 102, 418-424. | 5.3 | 47 |
| 186 | Effect of foliar treatment of sodium selenate on postharvest decay and quality of tomato fruits. <i>Scientia Horticulturae</i> , 2016, 198, 304-310. | 1.7 | 46 |
| 187 | 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> , 2017, 5, 4455-4469. | 2.9 | 46 |
| 188 | Sensitively distinguishing intracellular precursor and mature microRNA abundance. <i>Chemical Science</i> , 2019, 10, 1709-1715. | 3.7 | 46 |
| 189 | Detection of coronavirus in environmental surveillance and risk monitoring for pandemic control. <i>Chemical Society Reviews</i> , 2021, 50, 3656-3676. | 18.7 | 46 |
| 190 | Magnetic Zirconium Hexacyanoferrate(II) Nanoparticle as Tracing Tag for Electrochemical DNA Assay. <i>Analytical Chemistry</i> , 2015, 87, 9093-9100. | 3.2 | 45 |
| 191 | Luminescent wearable biosensors based on gold nanocluster networks for α -ketoglutarate detection of Uric acid, glucose and alcohol in sweat. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113530. | 5.3 | 45 |
| 192 | All-textile sensors for boxing punch force and velocity detection. <i>Nano Energy</i> , 2022, 97, 107114. | 8.2 | 45 |
| 193 | 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> , 1996, 121, 1817-1822. | 1.7 | 44 |
| 194 | Immobilization of bovine serum albumin-protected gold nanoclusters by using polyelectrolytes of opposite charges for the development of the reusable fluorescent Cu ²⁺ -sensor. <i>Biosensors and Bioelectronics</i> , 2013, 44, 16-20. | 5.3 | 44 |
| 195 | Stability improvement of Prussian blue in nonacidic solutions via an electrochemical post-treatment method and the shape evolution of Prussian blue from nanospheres to nanocubes. <i>Analyst</i> , 2014, 139, 1127. | 1.7 | 44 |
| 196 | Chemical Etching of Bovine Serum Albumin-Protected Au ₂₅ Nanoclusters for Label-Free and Separation-Free Ratiometric Fluorescent Detection of Tris(2-carboxyethyl)phosphine. <i>Analytical Chemistry</i> , 2016, 88, 11193-11198. | 3.2 | 44 |
| 197 | High-sensitive surface plasmon resonance microRNA biosensor based on streptavidin functionalized gold nanorods-assisted signal amplification. <i>Analytica Chimica Acta</i> , 2017, 954, 114-120. | 2.6 | 44 |
| 198 | Hollow mesoporous carbon@Pt Janus nanomotors with dual response of H ₂ O ₂ and near-infrared light for active cargo delivery. <i>Applied Materials Today</i> , 2019, 17, 85-91. | 2.3 | 44 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Gastric Acid Powered Nanomotors Release Antibiotics for In Vivo Treatment of <i>Helicobacter pylori</i> Infection. <i>Small</i> , 2021, 17, e2006877. | 5.2 | 44 |
| 200 | A Novel Microchip Nitric Oxide Sensor with sub-nM Detection Limit. <i>Electroanalysis</i> , 2002, 14, 697. | 1.5 | 43 |
| 201 | Nanometer size electrode for nitric oxide and S-nitrosothiols measurement. <i>Electrochemistry Communications</i> , 2002, 4, 11-16. | 2.3 | 43 |
| 202 | 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> , 2015, 9, 425. | 2.0 | 43 |
| 203 | Enhanced Electrochemiluminescence of One-Dimensional Self-Assembled Porphyrin Hexagonal Nanoprisms. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20904-20912. | 4.0 | 43 |
| 204 | Highly-sensitive microRNA detection based on bio-bar-code assay and catalytic hairpin assembly two-stage amplification. <i>Analytica Chimica Acta</i> , 2018, 1004, 1-9. | 2.6 | 43 |
| 205 | CREPT facilitates colorectal cancer growth through inducing Wnt/ β -catenin pathway by enhancing p300-mediated β -catenin acetylation. <i>Oncogene</i> , 2018, 37, 3485-3500. | 2.6 | 43 |
| 206 | A three-dimensional DNA walking machine for the ultrasensitive dual-modal detection of miRNA using a fluorometer and personal glucose meter. <i>Nanoscale</i> , 2019, 11, 11279-11284. | 2.8 | 43 |
| 207 | Pro-apoptotic and pro-autophagic effects of the Aurora kinase A inhibitor alisertib (MLN8237) on human osteosarcoma U-2 OS and MG-63 cells through the activation of mitochondria-mediated pathway and inhibition of p38 MAPK/PI3K/Akt/mTOR signaling pathway. <i>Drug Design, Development and Therapy</i> , 2015, 9, 1555. | 2.0 | 42 |
| 208 | Self-interconnecting Pt nanowire network electrode for electrochemical amperometric biosensor. <i>Nanoscale</i> , 2015, 7, 11460-11467. | 2.8 | 42 |
| 209 | Broadband antireflective superhydrophilic antifogging nano-coatings based on three-layer system. <i>Microporous and Mesoporous Materials</i> , 2018, 255, 84-93. | 2.2 | 42 |
| 210 | Renewable superwetable biochip for miRNA detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 715-721. | 4.0 | 42 |
| 211 | Controllable Swarming and Assembly of Micro/Nanomachines. <i>Micromachines</i> , 2018, 9, 10. | 1.4 | 42 |
| 212 | Dendritic Janus Nanomotors with Precisely Modulated Coverages and Their Effects on Propulsion. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10426-10433. | 4.0 | 42 |
| 213 | Integrated individually electrochemical array for simultaneously detecting multiple Alzheimer's biomarkers. <i>Biosensors and Bioelectronics</i> , 2020, 162, 112253. | 5.3 | 42 |
| 214 | Recent Advances in Near-Infrared Fluorescence Imaging for Deep Tissue Molecular Analysis and Cancer Diagnosis. <i>Small</i> , 2022, 18, . | 5.2 | 42 |
| 215 | Highly efficient remote controlled release system based on light-driven DNA nanomachine functionalized mesoporous silica. <i>Nanoscale</i> , 2012, 4, 4473. | 2.8 | 41 |
| 216 | Sensitive electrochemical detection of NADH and ethanol at low potential based on pyrocatechol violet electrodeposited on single walled carbon nanotubes-modified pencil graphite electrode. <i>Talanta</i> , 2014, 130, 96-102. | 2.9 | 41 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Turn-on Colorimetric Platform for Dual Activity Detection of Acid and Alkaline Phosphatase in Human Whole Blood. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3040-3045. | 1.7 | 41 |
| 218 | Free-blockage Mesoporous Anticancer Nanoparticles Based on ROS-Responsive Wetting Behavior of Nanopores. <i>Small</i> , 2017, 13, 1701942. | 5.2 | 41 |
| 219 | Dual Signal Amplification by eATRP and DNA-Templated Silver Nanoparticles for Ultrasensitive Electrochemical Detection of Nucleic Acids. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27568-27573. | 4.0 | 41 |
| 220 | Self-Assembly of Metal Nanoclusters for Aggregation-Induced Emission. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1891. | 1.8 | 41 |
| 221 | Nitronyl nitroxide monoradical TEMPO as new electrochemical label for ultrasensitive detection of nucleic acids. <i>Analytica Chimica Acta</i> , 2020, 1136, 19-24. | 2.6 | 41 |
| 222 | Wearable strain sensor for real-time sweat volume monitoring. <i>IScience</i> , 2021, 24, 102028. | 1.9 | 41 |
| 223 | Biomimetic Hierarchically Silver Nanowire Interwoven MXene Mesh for Flexible Transparent Electrodes and Invisible Camouflage Electronics. <i>Nano Letters</i> , 2022, 22, 740-750. | 4.5 | 41 |
| 224 | Underwater sensing and warming E-textiles with reversible liquid metal electronics. <i>Chemical Engineering Journal</i> , 2022, 437, 135382. | 6.6 | 41 |
| 225 | Radiative Cooling and Solar Heating Janus Films for Personal Thermal Management. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18877-18883. | 4.0 | 41 |
| 226 | Photoactivatable CRISPR/Cas12a Strategy for One-Pot DETECTR Molecular Diagnosis. <i>Analytical Chemistry</i> , 2022, 94, 9724-9731. | 3.2 | 41 |
| 227 | Visualizing latent fingerprints by electrodeposition of metal nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2013, 693, 122-126. | 1.9 | 40 |
| 228 | A cloud-based intelligent car parking services for smart cities. , 2014, , . | | 40 |
| 229 | Synergistic Inhibitory Effect of GQDs-Tramiprosate Covalent Binding on Amyloid Aggregation. <i>ACS Chemical Neuroscience</i> , 2018, 9, 817-823. | 1.7 | 40 |
| 230 | Microencapsulation of Thymol in Poly(lactide-co-glycolide) (PLGA): Physical and Antibacterial Properties. <i>Materials</i> , 2019, 12, 1133. | 1.3 | 40 |
| 231 | Flexible microfluidic nanoplasmonic sensors for refreshable and portable recognition of sweat biochemical fingerprint. <i>Npj Flexible Electronics</i> , 2022, 6, . | 5.1 | 40 |
| 232 | 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> , 2015, 9, 1293. | 2.0 | 39 |
| 233 | Atom-Thin SnS ₂ with Adjustable Compositions by Direct Liquid Exfoliation from Single Crystals. <i>ACS Nano</i> , 2016, 10, 755-762. | 7.3 | 39 |
| 234 | Peroxidase-like Fe ₃ O ₄ nanocomposite for activatable reactive oxygen species generation and cancer theranostics. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1184-1194. | 3.2 | 39 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 235 | Electrochemically Controlled RAFT Polymerization for Highly Sensitive Electrochemical Biosensing of Protein Kinase Activity. <i>Analytical Chemistry</i> , 2019, 91, 1936-1943. | 3.2 | 39 |
| 236 | Gold-platinum nanoflowers as a label and as an enzyme mimic for use in highly sensitive lateral flow immunoassays: application to detection of rabbit IgG. <i>Mikrochimica Acta</i> , 2019, 186, 357. | 2.5 | 39 |
| 237 | Preparation of PAN@TiO ₂ Nanofibers for Fruit Packaging Materials with Efficient Photocatalytic Degradation of Ethylene. <i>Materials</i> , 2019, 12, 896. | 1.3 | 39 |
| 238 | Luminescent Covalent Organic Frameworks for Biosensing and Bioimaging Applications. <i>Small</i> , 2022, 18, e2103516. | 5.2 | 39 |
| 239 | Dual-emissive gold nanoclusters for label-free and separation-free ratiometric fluorescence sensing of 4-nitrophenol based on the inner filter effect. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5033-5038. | 2.7 | 38 |
| 240 | Photoluminescent two-dimensional SiC quantum dots for cellular imaging and transport. <i>Nano Research</i> , 2018, 11, 4074-4081. | 5.8 | 38 |
| 241 | Catalytic hairpin assembly gel assay for multiple and sensitive microRNA detection. <i>Theranostics</i> , 2018, 8, 2646-2656. | 4.6 | 38 |
| 242 | An ultrasensitive electrochemical method for detection of Ag ⁺ based on cyclic amplification of exonuclease III activity on cytosine–Ag ⁺ –cytosine. <i>Analyst</i> , 2013, 138, 6900. | 1.7 | 37 |
| 243 | Microelectromechanical System-Based Sensing Arrays for Comparative in Vitro Nanotoxicity Assessment at Single Cell and Small Cell-Population Using Electrochemical Impedance Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5804-5812. | 4.0 | 37 |
| 244 | pH-Responsive aggregation-induced emission of Au nanoclusters and crystallization of the Au–thiolate shell. <i>Materials Chemistry Frontiers</i> , 2018, 2, 923-928. | 3.2 | 37 |
| 245 | Dendritic Silica Particles with Well-Dispersed Ag Nanoparticles for Robust Antireflective and Antibacterial Nanocoatings on Polymeric Glass. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14071-14081. | 3.2 | 37 |
| 246 | Chemical etching of pH-sensitive aggregation-induced emission-active gold nanoclusters for ultra-sensitive detection of cysteine. <i>Nanoscale</i> , 2019, 11, 294-300. | 2.8 | 37 |
| 247 | Smartphone-based tape sensors for multiplexed rapid urinalysis. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127415. | 4.0 | 37 |
| 248 | An ultrasensitive electrochemical immunosensor for apolipoprotein E4 based on fractal nanostructures and enzyme amplification. <i>Biosensors and Bioelectronics</i> , 2015, 71, 396-400. | 5.3 | 36 |
| 249 | Electrochemically mediated in situ growth of electroactive polymers for highly sensitive detection of double-stranded DNA without sequence-preference. <i>Biosensors and Bioelectronics</i> , 2018, 101, 1-6. | 5.3 | 36 |
| 250 | Synergistic in-situ growth of silver nanoparticles with nanozyme activity for dual-mode biosensing and cancer theranostics. <i>Chinese Chemical Letters</i> , 2021, 32, 1215-1219. | 4.8 | 36 |
| 251 | Target-Cell-Specific Bioorthogonal and Endogenous ATP Control of Signal Amplification for Intracellular MicroRNA Imaging. <i>Analytical Chemistry</i> , 2021, 93, 1693-1701. | 3.2 | 36 |
| 252 | Real-time profiling of kidney tubular fluid nitric oxide concentrations in vivo. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, F189-F194. | 1.3 | 35 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 253 | Fractal gold modified electrode for ultrasensitive thrombin detection. <i>Nanoscale</i> , 2012, 4, 3786. | 2.8 | 35 |
| 254 | 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> , 2015, 9, 537. | 2.0 | 35 |
| 255 | Superhydrophilic cotton thread with temperature-dependent pattern for sensitive nucleic acid detection. <i>Biosensors and Bioelectronics</i> , 2016, 86, 951-957. | 5.3 | 35 |
| 256 | Systematic study of dye loaded small mesoporous silica nanoparticles for detecting latent fingerprints on various substrates. <i>Journal of Porous Materials</i> , 2017, 24, 13-20. | 1.3 | 35 |
| 257 | Wearable Sunlight-Triggered Bimorph Textile Actuators. <i>Nano Letters</i> , 2021, 21, 8126-8134. | 4.5 | 35 |
| 258 | Controlled release of DNA from carbon-paste microelectrodes. <i>Electrochemistry Communications</i> , 1999, 1, 197-202. | 2.3 | 34 |
| 259 | Screen Printed Cupric-Hexacyanoferrate Modified Carbon Enzyme Electrode for Single-Use Glucose Measurements. <i>Analytical Letters</i> , 1999, 32, 1739-1749. | 1.0 | 34 |
| 260 | Detection of Zinc Finger Protein (EGR1) Based on Electrogenenerated Chemiluminescence from Singlet Oxygen Produced in a Nanoclay-Supported Porphyrin Environment. <i>Analytical Chemistry</i> , 2015, 87, 9155-9162. | 3.2 | 34 |
| 261 | Ultrasensitive DNA biosensor based on electrochemical atom transfer radical polymerization. <i>Biosensors and Bioelectronics</i> , 2019, 131, 193-199. | 5.3 | 34 |
| 262 | Rational Design of ZIF-8 for Constructing Luminescent Biosensors with Glucose Oxidase and AIE-Type Gold Nanoclusters. <i>Analytical Chemistry</i> , 2022, 94, 3408-3417. | 3.2 | 34 |
| 263 | Magneticâ€Powered Janus Cell Robots Loaded with Oncolytic Adenovirus for Active and Targeted Virotherapy of Bladder Cancer. <i>Advanced Materials</i> , 2022, 34, e2201042. | 11.1 | 34 |
| 264 | Cathophoresis paint insulated carbon fibre ultramicro disc electrode and its application to in vivo amperometric monitoring of quantal secretion from single rat melanotrophs. <i>Analytica Chimica Acta</i> , 1999, 378, 135-143. | 2.6 | 33 |
| 265 | Biofunctional nanocomposite of carbon nanofiber with water-soluble porphyrin for highly sensitive ethanol biosensing. <i>Biosensors and Bioelectronics</i> , 2008, 24, 644-649. | 5.3 | 33 |
| 266 | A novel sensitive and selective electrochemical sensor based on molecularly imprinted polymer on a nanoporous gold leaf modified electrode for warfarin sodium determination. <i>RSC Advances</i> , 2016, 6, 43724-43731. | 1.7 | 33 |
| 267 | Cell micropatterns based on silicone-oil-modified slippery surfaces. <i>Nanoscale</i> , 2016, 8, 18612-18615. | 2.8 | 33 |
| 268 | Cobalt Sulfide Confined in N-Doped Porous Branched Carbon Nanotubes for Lithium-Ion Batteries. <i>Nano-Micro Letters</i> , 2019, 11, 29. | 14.4 | 33 |
| 269 | 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> , 2015, 9, 487. | 2.0 | 32 |
| 270 | Hidden Dityrosine Residues in Protein-Protected Gold Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12065-12070. | 1.5 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 271 | Inhibition of Aurora kinases induces apoptosis and autophagy via AURKB/p70S6K/RPL15 axis in human leukemia cells. <i>Cancer Letters</i> , 2016, 382, 215-230. | 3.2 | 32 |
| 272 | Carbon nanotubes and manganese oxide hybrid nanostructures as high performance fiber supercapacitors. <i>Communications Chemistry</i> , 2018, 1, . | 2.0 | 32 |
| 273 | A Semimetal-Like Molybdenum Carbide Quantum Dots Photoacoustic Imaging and Photothermal Agent with High Photothermal Conversion Efficiency. <i>Materials</i> , 2018, 11, 1776. | 1.3 | 32 |
| 274 | Thicker carbon-nanotube/manganese-oxide hybridized nanostructures as electrodes for the creation of fiber-shaped high-energy-density supercapacitors. <i>Carbon</i> , 2019, 154, 169-177. | 5.4 | 32 |
| 275 | Electrochemical DNA Biosensing via Electrochemically Controlled Reversible Addition-fragmentation Chain Transfer Polymerization. <i>ACS Sensors</i> , 2019, 4, 235-241. | 4.0 | 32 |
| 276 | Fluorescent Gold Nanoclusters for Biosensor and Bioimaging Application. <i>Crystals</i> , 2020, 10, 357. | 1.0 | 32 |
| 277 | Recent advances in optical imaging of biomarkers in vivo. <i>Nano Today</i> , 2021, 38, 101156. | 6.2 | 32 |
| 278 | Highly sensitive flow injection detection of hydrogen peroxide with high throughput using a carbon nanofiber-modified electrode. <i>Analyst</i> , The, 2007, 132, 406. | 1.7 | 31 |
| 279 | Effect of harpin on control of postharvest decay and resistant responses of tomato fruit. <i>Postharvest Biology and Technology</i> , 2016, 112, 241-246. | 2.9 | 31 |
| 280 | Broadband antireflective superhydrophobic self-cleaning coatings based on novel dendritic porous particles. <i>RSC Advances</i> , 2016, 6, 7864-7871. | 1.7 | 31 |
| 281 | Magnetized carbon nanotubes for visual detection of proteins directly in whole blood. <i>Analytica Chimica Acta</i> , 2017, 993, 79-86. | 2.6 | 31 |
| 282 | Janus dendritic silica/carbon@Pt nanomotors with multiengines for H ₂ O ₂ , near-infrared light and lipase powered propulsion. <i>Soft Matter</i> , 2020, 16, 9553-9558. | 1.2 | 31 |
| 283 | Label-free Electrochemical Imaging of Latent Fingerprints on Metal Surfaces. <i>Electroanalysis</i> , 2012, 24, 1027-1032. | 1.5 | 30 |
| 284 | Recent Advances in Nanoparticles-based Lateral Flow Biosensors. <i>American Journal of Biomedical Sciences</i> , 0, , 41-57. | 0.2 | 30 |
| 285 | Pyrocatechol violet-assisted in situ growth of copper nanoparticles on carbon nanotubes: The synergic effect for electrochemical sensing of hydrogen peroxide. <i>Electrochimica Acta</i> , 2015, 155, 78-84. | 2.6 | 30 |
| 286 | Formation of copper nanoparticles on poly(thymine) through surface-initiated enzymatic polymerization and its application for DNA detection. <i>Analyst</i> , The, 2015, 140, 5678-5684. | 1.7 | 30 |
| 287 | Fabricating Pt-decorated three dimensional N-doped carbon porous microspherical cavity catalyst for advanced oxygen reduction reaction. <i>Carbon</i> , 2018, 128, 38-45. | 5.4 | 30 |
| 288 | Size-dependent selectivity and activity of CO ₂ photoreduction over black nano-titanias grown on dendritic porous silica particles. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117768. | 10.8 | 30 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 289 | A facile strategy to form three-dimensional network structure for mechanically robust superhydrophobic nanocoatings with enhanced transmittance. <i>Journal of Colloid and Interface Science</i> , 2020, 563, 42-53. | 5.0 | 30 |
| 290 | Fe-MOGs-based enzyme mimetic and its mediated electrochemiluminescence for in situ detection of H ₂ O ₂ released from Hela cells. <i>Biosensors and Bioelectronics</i> , 2021, 184, 113216. | 5.3 | 30 |
| 291 | An electrochemical aptasensor based on AuPt alloy nanoparticles for ultrasensitive detection of amyloid- β oligomers. <i>Talanta</i> , 2021, 231, 122360. | 2.9 | 30 |
| 292 | Programmable Polymeric Microneedles for Combined Chemotherapy and Antioxidative Treatment of Rheumatoid Arthritis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 55559-55568. | 4.0 | 30 |
| 293 | NanoBiosensing. <i>Biological and Medical Physics Series</i> , 2011, . . | 0.3 | 29 |
| 294 | Substrate-independent and large-area synthesis of carbon nanotube thin films using ZnO nanorods as template and dopamine as carbon precursor. <i>Carbon</i> , 2015, 83, 275-281. | 5.4 | 29 |
| 295 | One-step conjugation of aminoferrocene to phosphate groups as electroactive probes for electrochemical detection of sequence-specific DNA. <i>Biosensors and Bioelectronics</i> , 2015, 65, 71-77. | 5.3 | 29 |
| 296 | Emergence of superconductivity in doped glassy-carbon. <i>Carbon</i> , 2016, 99, 585-590. | 5.4 | 29 |
| 297 | Lateral flow assay for carbohydrate antigen 19â€“9 in whole blood by using magnetized carbon nanotubes. <i>Mikrochimica Acta</i> , 2017, 184, 4287-4294. | 2.5 | 29 |
| 298 | High electroactive material loading on a carbon nanotube/carbon nanofiber as an advanced free-standing electrode for asymmetric supercapacitors. <i>Chemical Communications</i> , 2019, 55, 4083-4086. | 2.2 | 29 |
| 299 | NIR powered Janus nanocarrier for deep tumor penetration. <i>Applied Materials Today</i> , 2020, 18, 100504. | 2.3 | 29 |
| 300 | Synthesis and characterization of CoFe ₂ O ₄ octahedrons via an EDTA-assisted route. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 305, 68-70. | 1.0 | 28 |
| 301 | Ion Permeability of Polydopamine Films Revealed Using a Prussian Blue-Based Electrochemical Method. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12781-12787. | 1.2 | 28 |
| 302 | An Easily Fabricated Electrochemical Sensor Based on a Graphene-Modified Glassy Carbon Electrode for Determination of Octopamine and Tyramine. <i>Sensors</i> , 2016, 16, 535. | 2.1 | 28 |
| 303 | 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> , 2016, 408, 8195-8202. | 1.9 | 28 |
| 304 | Enhanced Electrochemiluminescence of Porphyrin-Based Metalâ€“Organic Frameworks Controlled via Coordination Modulation. <i>Analytical Chemistry</i> , 2020, 92, 1916-1924. | 3.2 | 28 |
| 305 | Stimuli-responsive polymer/nanomaterial hybrids for sensing applications. <i>Analyst</i> , The, 2020, 145, 5713-5724. | 1.7 | 28 |
| 306 | ATMP derived cobalt-metaphosphate complex as highly active catalyst for oxygen reduction reaction. <i>Journal of Catalysis</i> , 2020, 387, 129-137. | 3.1 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 307 | Ultrasensitive electrochemical DNA biosensor by exploiting hematin as efficient biomimetic catalyst toward in situ metallization. <i>Biosensors and Bioelectronics</i> , 2015, 63, 269-275. | 5.3 | 27 |
| 308 | A controllable local drug delivery system based on porous fibers for synergistic treatment of melanoma and promoting wound healing. <i>Biomaterials Science</i> , 2019, 7, 5084-5096. | 2.6 | 27 |
| 309 | Nickel hexacyanoferrate modified screen-printed carbon electrode for sensitive detection of ascorbic acid and hydrogen peroxide. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 483. | 3.0 | 26 |
| 310 | Carbon nanofiber doped polypyrrole nanoscaffold for electrochemical monitoring of cell adhesion and proliferation. <i>Electrochemistry Communications</i> , 2009, 11, 760-763. | 2.3 | 26 |
| 311 | 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> , 2015, 9, 1027. | 2.0 | 26 |
| 312 | Highly active M ₂ P ₂ O ₇ @NC (M = Co and Zn) for bifunctional electrocatalysts for ORR and HER. <i>Journal of Catalysis</i> , 2019, 377, 20-27. | 3.1 | 26 |
| 313 | Portable detection of <i>Staphylococcus aureus</i> using personal glucose meter based on hybridization chain reaction strategy. <i>Talanta</i> , 2021, 226, 122132. | 2.9 | 26 |
| 314 | Flexible Biosensors Based on Colorimetry, Fluorescence, and Electrochemistry for Point-of-Care Testing. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 753692. | 2.0 | 26 |
| 315 | Interfacial self-assembly of amino acids and peptides: Scanning tunneling microscopy investigation. <i>Nanoscale</i> , 2011, 3, 4901. | 2.8 | 25 |
| 316 | Cobalt hexacyanoferrate electrodeposited on electrode with the assistance of laponite: The enhanced electrochemical sensing of captopril. <i>Electrochimica Acta</i> , 2016, 198, 32-39. | 2.6 | 25 |
| 317 | Novel yolk-shell polymer/carbon@Au nanocomposites by using dendrimer-like mesoporous silica nanoparticles as hard template. <i>Journal of Alloys and Compounds</i> , 2017, 700, 83-91. | 2.8 | 25 |
| 318 | MoS ₂ quantum dots-combined zirconium-metalloporphyrin frameworks: Synergistic effect on electron transfer and application for bioassay. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 566-573. | 4.0 | 25 |
| 319 | Recent advances and challenges of biosensing in point-of-care molecular diagnosis. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130708. | 4.0 | 25 |
| 320 | Rapid detection of miRNA via development of consecutive adenines (polyA)-based electrochemical biosensors. <i>Biosensors and Bioelectronics</i> , 2022, 198, 113830. | 5.3 | 25 |
| 321 | Rational Design of a Highly Dispersed Fe-N-C Nanosheet with 1,10-Phenanthroline-2,9-Dicarboxylic Acid as a Preorganized Ligand: Boosted Electrochemiluminescence Detection of Tetracycline. <i>Analytical Chemistry</i> , 2022, 94, 1325-1332. | 3.2 | 25 |
| 322 | Hydrophilic metal-organic frameworks integrated uricase for wearable detection of sweat uric acid. <i>Analytica Chimica Acta</i> , 2022, 1208, 339843. | 2.6 | 25 |
| 323 | Piezotronic-Effect Enhanced Drug Metabolism and Sensing on a Single ZnO Nanowire Surface with the Presence of Human Cytochrome P450. <i>ACS Nano</i> , 2015, 9, 3159-3168. | 7.3 | 24 |
| 324 | Systematic Analysis of Different Cell Spheroids with a Microfluidic Device Using Scanning Electrochemical Microscopy and Gene Expression Profiling. <i>Analytical Chemistry</i> , 2019, 91, 4307-4311. | 3.2 | 24 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 325 | Effect of surface topology morphologies of silica nanocarriers on the loading of Ag nanoparticles and antibacterial performance. <i>Journal of Alloys and Compounds</i> , 2019, 783, 136-144. | 2.8 | 24 |
| 326 | Microfluidic Control of Tumor and Stromal Cell Spheroids Pairing and Merging for Three-Dimensional Metastasis Study. <i>Analytical Chemistry</i> , 2020, 92, 7638-7645. | 3.2 | 24 |
| 327 | Two-Dimensional Metalloporphyrinic Framework Nanosheet-Based Dual-Mechanism-Driven Ratiometric Electrochemiluminescent Biosensing of Protein Kinase Activity. <i>ACS Applied Bio Materials</i> , 2021, 4, 1616-1623. | 2.3 | 24 |
| 328 | Customizable Textile Sensors Based on Helical Core-Spun Yarns for Seamless Smart Garments. <i>Langmuir</i> , 2021, 37, 3122-3129. | 1.6 | 24 |
| 329 | 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> , 2015, 9, 993. | 2.0 | 23 |
| 330 | Estimation of the binding modes with important human cytochrome P450 enzymes, drug interaction potential, pharmacokinetics, and hepatotoxicity of ginger components using molecular docking, computational, and pharmacokinetic modeling studies. <i>Drug Design, Development and Therapy</i> , 2015, 9, 841. | 2.0 | 23 |
| 331 | Preparation of amidoximated coaxial electrospun nanofibers for uranyl uptake and their electrochemical properties. <i>Separation and Purification Technology</i> , 2016, 171, 44-51. | 3.9 | 23 |
| 332 | Enhanced lateral flow assay with double conjugates for the detection of exosomes. <i>Science China Chemistry</i> , 2018, 61, 1423-1429. | 4.2 | 23 |
| 333 | ATMP-induced three-dimensional conductive polymer hydrogel scaffold for a novel enhanced solid-state electrochemiluminescence biosensor. <i>Biosensors and Bioelectronics</i> , 2019, 143, 111601. | 5.3 | 23 |
| 334 | Mini-pillar microarray for individually electrochemical sensing in microdroplets. <i>Biosensors and Bioelectronics</i> , 2020, 149, 111845. | 5.3 | 23 |
| 335 | Construction of dendritic Janus nanomotors with H ₂ O ₂ and NIR light dual-propulsion via a Pickering emulsion. <i>Soft Matter</i> , 2020, 16, 4961-4968. | 1.2 | 23 |
| 336 | Integrating modification and detection in acoustic microchip for in-situ analysis. <i>Biosensors and Bioelectronics</i> , 2020, 158, 112185. | 5.3 | 23 |
| 337 | V ₂ C Nanosheets as Dual-Functional Antibacterial Agents. <i>ACS Applied Bio Materials</i> , 2021, 4, 4215-4223. | 2.3 | 23 |
| 338 | Serum nitrite and nitrate: A potential biomarker for post-covid-19 complications?. <i>Free Radical Biology and Medicine</i> , 2021, 175, 216-225. | 1.3 | 23 |
| 339 | Ultrasensitive Electrochemical Biosensor Based on Noble Metal Nanomaterials. <i>Science of Advanced Materials</i> , 2015, 7, 2084-2102. | 0.1 | 23 |
| 340 | A Sample and Detection Microneedle Patch for Psoriasis MicroRNA Biomarker Analysis in Interstitial Fluid. <i>Analytical Chemistry</i> , 2022, 94, 5538-5545. | 3.2 | 23 |
| 341 | Ultrasensitive determination of hydrazine using a glassy carbon electrode modified with Pyrocatechol Violet electrodeposited on single walled carbon nanotubes. <i>Mikrochimica Acta</i> , 2014, 181, 813-820. | 2.5 | 22 |
| 342 | Biosensing platform based on graphene oxide via self-assembly induced by synergic interactions. <i>Analytical Biochemistry</i> , 2014, 460, 16-21. | 1.1 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 343 | 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> , 2015, 9, 349. | 2.0 | 22 |
| 344 | 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> , 2015, 9, 5511. | 2.0 | 22 |
| 345 | Strategies of Luminescent Gold Nanoclusters for Chemo-/Bio-Sensing. <i>Molecules</i> , 2019, 24, 3045. | 1.7 | 22 |
| 346 | Cellular Nanofiber Structure with Secretory Activity-Promoting Characteristics for Multicellular Spheroid Formation and Hair Follicle Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7931-7941. | 4.0 | 22 |
| 347 | Ultra-Trace Protein Detection by Integrating Lateral Flow Biosensor with Ultrasound Enrichment. <i>Analytical Chemistry</i> , 2021, 93, 2996-3001. | 3.2 | 22 |
| 348 | SECM imaging of latent fingerprints developed by deposition of Al-doped ZnO thin film. <i>Electrochimica Acta</i> , 2012, 78, 412-416. | 2.6 | 21 |
| 349 | Electrical field manipulation of cancer cell behavior monitored by whole cell biosensing device. <i>Biomedical Microdevices</i> , 2013, 15, 657-663. | 1.4 | 21 |
| 350 | 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> , 2019, 286, 198-205. | 4.0 | 21 |
| 351 | Ultrasensitive Detection of DNA via SI-eRAFT and in Situ Metalization Dual-Signal Amplification. <i>Analytical Chemistry</i> , 2019, 91, 9198-9205. | 3.2 | 21 |
| 352 | pH-Responsive Au(SCN)-disulfide nanoparticles with tunable aggregation-induced emission for monitoring intragastric acidity. <i>Chemical Science</i> , 2020, 11, 6472-6478. | 3.7 | 21 |
| 353 | Engineering Structural Metal-Organic Framework for Hypoxia-Tolerant Type I Photodynamic Therapy against Hypoxic Cancer. , 2021, 3, 781-789. | | 21 |
| 354 | Advanced micro/nanomotors for enhanced bioadhesion and tissue penetration. <i>Applied Materials Today</i> , 2021, 23, 101034. | 2.3 | 21 |
| 355 | Gold-platinum nanoflowers as colored and catalytic labels for ultrasensitive lateral flow MicroRNA-21 assay. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130325. | 4.0 | 21 |
| 356 | Metallo Porphyrin Functionalized Microelectrodes for Electrocatalytic Sensing of Nitric Oxide. <i>American Journal of Biomedical Sciences</i> , 2009, 1, 274-282. | 0.2 | 20 |
| 357 | A biomimetic enzyme modified electrode for H_2O_2 highly sensitive detection. <i>Analyst</i> , The, 2015, 140, 7792-7798. | 1.7 | 20 |
| 358 | Cathodic electrochemiluminescence of singlet oxygen induced by the electroactive zinc porphyrin in aqueous media. <i>Electrochimica Acta</i> , 2016, 190, 64-68. | 2.6 | 20 |
| 359 | Integrated Wound Recognition in Bandages for Intelligent Treatment. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000941. | 3.9 | 20 |
| 360 | Label-free physical and electrochemical imaging of latent fingerprints by water and SECM. <i>Electrochimica Acta</i> , 2020, 350, 136373. | 2.6 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 361 | Near-infrared light-driven yolk@shell carbon@silica nanomotors for fuel-free triglyceride degradation. <i>Nano Research</i> , 2021, 14, 654-659. | 5.8 | 20 |
| 362 | Soft robotic reinforced by carbon fiber skeleton with large deformation and enhanced blocking forces. <i>Composites Part B: Engineering</i> , 2021, 223, 109099. | 5.9 | 20 |
| 363 | Poly(tetrafluoroethylene) Film Housing of Carbon Fibers Using Capillary-Pull Technology for One-Stage Fabrication of Carbon Disk Ultramicroelectrodes and Their Characterization. <i>Analytical Chemistry</i> , 1998, 70, 1646-1651. | 3.2 | 19 |
| 364 | Visualization of latent fingerprints using Prussian blue thin films. <i>Chinese Chemical Letters</i> , 2013, 24, 173-176. | 4.8 | 19 |
| 365 | A Cloud-Based X73 Ubiquitous Mobile Healthcare System: Design and Implementation. <i>Scientific World Journal</i> , The, 2014, 2014, 1-14. | 0.8 | 19 |
| 366 | Capillary-driven spontaneous oil/water separation by superwetable twines. <i>Nanoscale</i> , 2015, 7, 13164-13167. | 2.8 | 19 |
| 367 | Combination of chemical etching of gold nanoclusters with aggregation-induced emission for preparation of new phosphors for the development of UV-driven phosphor-converted white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11482-11487. | 2.7 | 19 |
| 368 | An advanced electrocatalyst of Pt decorated SnO ₂ /C nanofibers for oxygen reduction reaction. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 198-203. | 1.9 | 19 |
| 369 | In Situ Synthesis of CuS Nanoparticle-Doped Poly(N-isopropylacrylamide)-Based Microgels for Near-Infrared Triggered Photothermal Therapy. <i>ACS Applied Nano Materials</i> , 2018, 1, 1776-1783. | 2.4 | 19 |
| 370 | 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> , 2018, 528, 379-388. | 5.0 | 19 |
| 371 | Ultrasensitive peptide-based electrochemical detection of protein kinase activity amplified by RAFT polymerization. <i>Talanta</i> , 2020, 206, 120173. | 2.9 | 19 |
| 372 | Metal-Free Photoinduced Atom Transfer Radical Polymerization for Highly Sensitive Detection of Lung Cancer DNA. <i>Chemistry - A European Journal</i> , 2020, 26, 1633-1639. | 1.7 | 19 |
| 373 | Bioinspired wettability/nonwettability micropatterns for emerging applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8101-8115. | 2.9 | 19 |
| 374 | Development of Magnesium-Ion-Selective Microelectrodes Based on a New Neutral Carrier ETHT 5504. <i>Electroanalysis</i> , 1998, 10, 1174-1181. | 1.5 | 18 |
| 375 | Detection of nitric oxide in macrophage cells for the assessment of the cytotoxicity of gold nanoparticles. <i>Talanta</i> , 2012, 101, 11-16. | 2.9 | 18 |
| 376 | A Versatile Multiple Target Detection System Based on DNA Nano-assembled Linear FRET Arrays. <i>Scientific Reports</i> , 2016, 6, 26879. | 1.6 | 18 |
| 377 | Latent Fingermarks Enhancement in Deep Eutectic Solvent by Co-electrodepositing Silver and Copper Particles on Metallic Substrates. <i>Electrochimica Acta</i> , 2016, 211, 437-444. | 2.6 | 18 |
| 378 | Integrated Microdroplets Array for Intelligent Electrochemical Fabrication. <i>Advanced Functional Materials</i> , 2020, 30, 1910329. | 7.8 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 379 | An Aggregation-Induced Phosphorescence-Active "Turn-Off" Nanosensor Based on Ferric-Specific Quenching of Luminescent and Water-Soluble Au(I)-Cysteine Nanocomplexes. <i>Analytical Chemistry</i> , 2020, 92, 6785-6791. | 3.2 | 18 |
| 380 | Engineering Metal-Organic Framework Hybrid AIEgens with Tumor-Activated Accumulation and Emission for the Image-Guided GSH Depletion ROS Therapy. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29599-29612. | 4.0 | 18 |
| 381 | Voltammetry of dihydroxyphenylalanine (L-DOPA) using a Nafion-coated carbon fibre ultramicroelectrode array. <i>Analytica Chimica Acta</i> , 1992, 265, 27-34. | 2.6 | 17 |
| 382 | Controllable and reproducible construction of a SERS substrate and its sensing applications. <i>Nanoscale</i> , 2013, 5, 523-526. | 2.8 | 17 |
| 383 | A Selective Release System Based on Dual-Drug-Loaded Mesoporous Silica for Nanoparticle-Assisted Combination Therapy. <i>Chemistry - A European Journal</i> , 2014, 20, 7796-7802. | 1.7 | 17 |
| 384 | MicroRNA-561 Promotes Acetaminophen-Induced Hepatotoxicity in HepG2 Cells and Primary Human Hepatocytes through Downregulation of the Nuclear Receptor Corepressor Dosage-Sensitive Sex-Reversal Adrenal Hypoplasia Congenital Critical Region on the X Chromosome, Gene 1 (DAX-1). <i>Drug Metabolism and Disposition</i> , 2014, 42, 44-61. | 1.7 | 17 |
| 385 | An update on the clinical pharmacology of the dipeptidyl peptidase 4 inhibitor alogliptin used for the treatment of type 2 diabetes mellitus. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 1225-1238. | 0.9 | 17 |
| 386 | A dual-cell device designed as an oxidase mimic and its use for the study of oxidase-like nanozymes. <i>Chemical Communications</i> , 2018, 54, 818-820. | 2.2 | 17 |
| 387 | Tunable dendrimer-like porous silica nanospheres: Effects of structures and stacking manners on surface wettability. <i>Journal of Alloys and Compounds</i> , 2018, 732, 70-79. | 2.8 | 17 |
| 388 | Non-Enzymatic Electrochemical Sensor Based on Silver Nanoparticle-Decorated Carbon Nanotubes. <i>Molecules</i> , 2019, 24, 3411. | 1.7 | 17 |
| 389 | Cold direct pen writing of reduced graphene oxide foams for ultrasensitive micro-contact force probing. <i>Carbon</i> , 2020, 157, 140-146. | 5.4 | 17 |
| 390 | 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</i> , 2020, 145, 1408-1413. | 1.7 | 17 |
| 391 | Uniform palladium nanosheets for fluorimetric detection of circulating tumor DNA. <i>Analytica Chimica Acta</i> , 2020, 1139, 164-168. | 2.6 | 17 |
| 392 | Inkjet-printed MoS ₂ /PVP hybrid nanocomposite for enhanced humidity sensing. <i>Sensors and Actuators A: Physical</i> , 2020, 316, 112388. | 2.0 | 17 |
| 393 | Acoustic aggregation-induced separation for enhanced fluorescence detection of Alzheimer's biomarker. <i>Talanta</i> , 2021, 233, 122517. | 2.9 | 17 |
| 394 | Powering bioanalytical applications in biomedicine with light-responsive Janus micro-/nanomotors. <i>Mikrochimica Acta</i> , 2022, 189, 116. | 2.5 | 17 |
| 395 | Aligned carbon nanotube modified carbon fibre coated with gold nanoparticles embedded in a polymer film: Voltammetric microprobe for enzymeless glucose sensing. <i>Electrochemistry Communications</i> , 2012, 25, 94-97. | 2.3 | 16 |
| 396 | A flexible DNA modification approach towards construction of gold nanoparticle assemblies. <i>Chemical Communications</i> , 2012, 48, 3963. | 2.2 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 397 | Proteomic response to 5,6-dimethylxanthenone 4-acetic acid (DMXAA, vadimezan) in human non-small cell lung cancer A549 cells determined by the stable-isotope labeling by amino acids in cell culture (SILAC) approach. <i>Drug Design, Development and Therapy</i> , 2015, 9, 937. | 2.0 | 16 |
| 398 | 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> , 2015, 9, 2001. | 2.0 | 16 |
| 399 | Metal-to-ligand charge-transfer: Applications to visual detection of Î ² -galactosidase activity and sandwich immunoassay. <i>Talanta</i> , 2017, 167, 253-259. | 2.9 | 16 |
| 400 | Improved supercapacitors by implanting ultra-long single-walled carbon nanotubes into manganese oxide domains. <i>Journal of Power Sources</i> , 2020, 479, 228795. | 4.0 | 16 |
| 401 | Algae Extraction Controllable Delamination of Vanadium Carbide Nanosheets with Enhanced Nearâ€Infrared Photothermal Performance. <i>Angewandte Chemie</i> , 2020, 132, 6663-6668. | 1.6 | 16 |
| 402 | Nano-Au-modified TiO ₂ grown on dendritic porous silica particles for enhanced CO ₂ photoreduction. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110635. | 2.2 | 16 |
| 403 | Direct Real-Time Measurement of Intra-Oocyte Nitric Oxide Concentration In Vivo. <i>PLoS ONE</i> , 2014, 9, e98720. | 1.1 | 16 |
| 404 | Enhanced Isothermal Amplification for Ultrafast Sensing of SARS-CoV-2 in Microdroplets. <i>Analytical Chemistry</i> , 2022, 94, 4135-4140. | 3.2 | 16 |
| 405 | Endogenous MicroRNA Accurate Diagnostics to Guide Photothermal Therapy. <i>Analytical Chemistry</i> , 2022, 94, 6599-6606. | 3.2 | 16 |
| 406 | Novel targeting of PEGylated liposomes for codelivery of TGF&#amp;beta;1 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> , 2015, 9, 4441. | 2.0 | 15 |
| 407 | Detection of sequence-specific DNA with a morpholino-functionalized silicon chip. <i>Analytical Methods</i> , 2015, 7, 2406-2412. | 1.3 | 15 |
| 408 | Simple and fast electrochemical detection of sequence-specific DNA via click chemistry-mediated labeling of hairpin DNA probes with ethynylferrocene. <i>Analyst</i> , The, 2015, 140, 4154-4161. | 1.7 | 15 |
| 409 | A Freeâ€Blockage Controlled Release System Based on the Hydrophobic/Hydrophilic Conversion of Mesoporous Silica Nanopores. <i>Chemistry - A European Journal</i> , 2015, 21, 2680-2685. | 1.7 | 15 |
| 410 | PNA-based DNA assay with attomolar detection limit based on polygalacturonic acid mediated in-situ deposition of metallic silver on a gold electrode. <i>Mikrochimica Acta</i> , 2015, 182, 427-434. | 2.5 | 15 |
| 411 | Universal and one-step visualization of latent fingermarks on various surfaces using hydrophilic cellulose membrane and dye aqueous solution. <i>Science China Chemistry</i> , 2017, 60, 1250-1257. | 4.2 | 15 |
| 412 | Synthesis of poly (<i>N</i>-isopropylacrylamide)-<i>co</i>-(<i>acrylic acid</i>) microgel-entrapped CdS quantum dots and their photocatalytic degradation of an organic dye. <i>RSC Advances</i> , 2018, 8, 16850-16857. | 1.7 | 15 |
| 413 | A ratiometric fluorescent probe for rapidly detecting bio-thiols in vitro and in living cells. <i>Dyes and Pigments</i> , 2019, 171, 107688. | 2.0 | 15 |
| 414 | F-containing initiator for ultrasensitive fluorescent detection of lung cancer DNA via atom transfer radical polymerization. <i>Analytica Chimica Acta</i> , 2020, 1094, 99-105. | 2.6 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 415 | Droplet array for open-channel high-throughput SERS biosensing. <i>Talanta</i> , 2020, 218, 121206. | 2.9 | 15 |
| 416 | Functional nucleic acid-based fluorescence polarization/anisotropy biosensors for detection of biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6655-6665. | 1.9 | 15 |
| 417 | Cost-Effective Screening of Antimicrobial Performance of Multiple Metal-Organic Frameworks via a Droplet-Based Batch Synthesis Platform. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6476-6482. | 3.2 | 15 |
| 418 | Porphyrinic metal-organic framework@alumina nanocomposite fluorescent probe: Two-stage stimuli-responsive behavior and phosphate sensing. <i>Sensors and Actuators B: Chemical</i> , 2022, 370, 132395. | 4.0 | 15 |
| 419 | Reversible gold nanorod assembly triggered by pH-responsive DNA nanomachine. <i>Applied Physics Letters</i> , 2013, 102, . | 1.5 | 14 |
| 420 | Giant exchange bias in Mn ₂ FeGa with hexagonal structure. <i>Applied Physics Letters</i> , 2016, 109, 032408. | 1.5 | 14 |
| 421 | Uniform and Easy-To-Prepare Glycopolymer-Brush Interface for Rapid Protein (Anti-)Adhesion Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32366-32372. | 4.0 | 14 |
| 422 | Metal-Organic Framework-Based Stimuli-Responsive Polymers. <i>Journal of Composites Science</i> , 2021, 5, 101. | 1.4 | 14 |
| 423 | Ruthenium-based Conjugated Polymer and Metal-Organic Framework Nanocomposites for Glucose Sensing. <i>Electroanalysis</i> , 2021, 33, 1902-1910. | 1.5 | 14 |
| 424 | Ultrasensitive electrochemical detection of miRNA based on polymerization signal amplification. <i>Talanta</i> , 2021, 235, 122744. | 2.9 | 14 |
| 425 | A distance-based capillary biosensor using wettability alteration. <i>Lab on A Chip</i> , 2021, 21, 719-724. | 3.1 | 14 |
| 426 | Comparison of Glucose Enzyme Electrodes Based on Dispersed Rhodium Particles and Cupric Hexacyanoferrate Within Carbon Paste Transducers. <i>Electroanalysis</i> , 2000, 12, 1277-1281. | 1.5 | 13 |
| 427 | Design of pH microelectrodes based on ETHT 2418 and their application for measurement of pH profile in instant noodles. <i>Analytica Chimica Acta</i> , 2001, 445, 57-65. | 2.6 | 13 |
| 428 | In-Channel Printing-Device Opening Assay for Micropatterning Multiple Cells and Gene Analysis. <i>Analytical Chemistry</i> , 2015, 87, 2048-2053. | 3.2 | 13 |
| 429 | Hyaluronic Acid Encapsulated CuS Gel-Mediated Near-Infrared Laser-Induced Controllable Transdermal Drug Delivery for Sustained Therapy. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6786-6794. | 3.2 | 13 |
| 430 | Silver nanoparticle-loaded microgel-based etalons for H ₂ O ₂ sensing. <i>RSC Advances</i> , 2018, 8, 15567-15574. | 1.7 | 13 |
| 431 | Highly reactive N,N'-carbonyldiimidazole-tailored bifunctional electrocatalyst for oxygen reduction and oxygen evolution. <i>Electrochimica Acta</i> , 2019, 307, 375-384. | 2.6 | 13 |
| 432 | Thioether-bridged mesoporous organosilica nanocapsules with weak acid-triggered charge reversal for drug delivery. <i>Microporous and Mesoporous Materials</i> , 2020, 302, 110242. | 2.2 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 433 | Biosorption of iron ions through microalgae from wastewater and soil: Optimization and comparative study. <i>Chemosphere</i> , 2021, 265, 129172. | 4.2 | 13 |
| 434 | Multiple amplified microRNAs monitoring in living cells based on fluorescence quenching of Mo2B and hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113815. | 5.3 | 13 |
| 435 | Multifunctional Metal-Organic Framework Exoskeletons Protect Biohybrid Sperm Microrobots for Active Drug Delivery from the Surrounding Threats. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58382-58392. | 4.0 | 13 |
| 436 | Portable point-of-care diagnostic devices: an updated review. <i>Analytical Methods</i> , 2021, 13, 5418-5435. | 1.3 | 13 |
| 437 | Recent Advances in Metal-Organic Framework-Based Electrochemical Biosensing Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 797067. | 2.0 | 13 |
| 438 | Magnetic zirconium-based Prussian blue analog nanozyme: enhanced peroxidase-mimicking activity and colorimetric sensing of phosphate ion. <i>Mikrochimica Acta</i> , 2022, 189, 220. | 2.5 | 13 |
| 439 | Aggregation-induced emission (AIE)-Based nanocomposites for intracellular biological process monitoring and photodynamic therapy. <i>Biomaterials</i> , 2022, 287, 121603. | 5.7 | 13 |
| 440 | Ferricyanide confined into the integrative system of pyrrolic surfactant and SWCNTs: The enhanced electrochemical sensing of paracetamol. <i>Electrochimica Acta</i> , 2015, 186, 16-23. | 2.6 | 12 |
| 441 | Methyl Orange removal by a novel PEI-AuNPs-hemin nanocomposite. <i>Journal of Environmental Sciences</i> , 2017, 53, 278-283. | 3.2 | 12 |
| 442 | Size-tunable, highly sensitive microelectrode arrays enabled by polymer pen lithography. <i>Soft Matter</i> , 2017, 13, 3685-3689. | 1.2 | 12 |
| 443 | Functional DNA hexahedron for real-time detection of multiple microRNAs in living cells. <i>Analytica Chimica Acta</i> , 2019, 1078, 176-181. | 2.6 | 12 |
| 444 | Synthesis of Luminescent Gold Nanoclusters Embedded Goose Feathers for Facile Preparation of Au(I) Complexes with Aggregation-Induced Emission. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 592-598. | 3.2 | 12 |
| 445 | Ultrasensitive DNA electrochemical biosensor based on MnTBAP biomimetic catalyzed AGET ATRP signal amplification reaction. <i>Chemical Communications</i> , 2020, 56, 6636-6639. | 2.2 | 12 |
| 446 | Core@Satellite Janus Nanomotors with pH-Responsive Multi-phoretic Propulsion. <i>Angewandte Chemie</i> , 2020, 132, 14474-14478. | 1.6 | 12 |
| 447 | Visual detection of high-risk HPV16 and HPV18 based on loop-mediated isothermal amplification. <i>Talanta</i> , 2020, 217, 121015. | 2.9 | 12 |
| 448 | Gold nanorods-based lateral flow biosensors for sensitive detection of nucleic acids. <i>Mikrochimica Acta</i> , 2021, 188, 133. | 2.5 | 12 |
| 449 | Emerging two-dimensional materials-based diagnosis of neurodegenerative diseases: Status and challenges. <i>Nano Today</i> , 2021, 40, 101284. | 6.2 | 12 |
| 450 | Nitric oxide (NO) electrochemical sensors. , 2008, , 1-29. | | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 451 | Latent fingerprint enhancement on conductive substrates using electrodeposition of copper. <i>Science China Chemistry</i> , 2015, 58, 1200-1205. | 4.2 | 11 |
| 452 | A signal-on electrochemical DNA biosensor based on potential-assisted Cu(I)-catalyzed azide-alkyne cycloaddition mediated labeling of hairpin-like oligonucleotide with electroactive probe. <i>Talanta</i> , 2016, 147, 516-522. | 2.9 | 11 |
| 453 | Luminescent Organometallic Nanomaterials with Aggregation-Induced Emission. <i>Critical Reviews in Analytical Chemistry</i> , 2018, 48, 330-336. | 1.8 | 11 |
| 454 | Magnetized Carbon Nanotube Based Lateral Flow Immunoassay for Visual Detection of Complement Factor B. <i>Molecules</i> , 2019, 24, 2759. | 1.7 | 11 |
| 455 | Exosomes-mediated synthetic Dicer substrates delivery for intracellular Dicer imaging detection. <i>Biosensors and Bioelectronics</i> , 2020, 151, 111907. | 5.3 | 11 |
| 456 | Target-triggered regioselective assembly of nanoprobe for Raman imaging of dual cancer biomarkers in living cells. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129319. | 4.0 | 11 |
| 457 | Ultra-sensitive nucleic acid detection based on target cycling of triple helix molecular switch and ATRP double signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2021, 337, 129791. | 4.0 | 11 |
| 458 | ZNF545 loss promotes ribosome biogenesis and protein translation to initiate colorectal tumorigenesis in mice. <i>Oncogene</i> , 2021, 40, 6590-6600. | 2.6 | 11 |
| 459 | High sensitive electrochemical methamphetamine detection in serum and urine via atom transfer radical polymerization signal amplification. <i>Talanta</i> , 2022, 238, 123026. | 2.9 | 11 |
| 460 | Ultra-trace enriching biosensing in nanoliter sample. <i>Biosensors and Bioelectronics</i> , 2022, 210, 114297. | 5.3 | 11 |
| 461 | Tunable Thermo-responsive Flexible Films for Adaptive Temperature Management and Visual Temperature Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29284-29291. | 4.0 | 11 |
| 462 | Ultrasensitive and selective DNA detection by hydroxylamine assisted gold nanoparticle amplification. <i>Chemical Communications</i> , 2011, 47, 6120. | 2.2 | 10 |
| 463 | Chronopotentiometric synthesis of quantum dots with efficient surface-derived near-infrared electrochemiluminescence for ultrasensitive microchip-based ion-selective sensing. <i>RSC Advances</i> , 2014, 4, 29239-29248. | 1.7 | 10 |
| 464 | Voltage-Responsive Controlled Release Film with Cargo Release Self-Monitoring Property Based on Hydrophobicity Switching. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10992-10999. | 4.0 | 10 |
| 465 | Functionalized Polyethyleneimine-gold Nanoparticles-Porphyrin Nanocomposite for Electrochemical Glucose Biosensing. <i>International Journal of Electrochemical Science</i> , 2017, , 5092-5103. | 0.5 | 10 |
| 466 | Dynamic Assembly of Microspheres under an Ultrasound Field. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2440-2444. | 1.7 | 10 |
| 467 | Direct detection of label-free blood fingerprints by SECM imaging. <i>Electrochemistry Communications</i> , 2019, 102, 89-93. | 2.3 | 10 |
| 468 | Inkjet printed 2D SnS ₂ nanosheets for ammonia gas sensor. <i>Materials Research Express</i> , 2019, 6, 015025. | 0.8 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 469 | A Versatile Sunscreen with Minimal ROS Damage and Low Permeability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6217-6225. | 4.0 | 10 |
| 470 | Target-induced molecular-switch on triple-helix DNA-functionalized carbon nanotubes for simultaneous visual detection of nucleic acids and proteins. <i>Chemical Communications</i> , 2020, 56, 13657-13660. | 2.2 | 10 |
| 471 | Postsynthesis Ligand Exchange Induced Porphyrin Hybrid Crystalloid Reconstruction for Self-Enhanced Electrochemiluminescence. <i>Analytical Chemistry</i> , 2020, 92, 15270-15274. | 3.2 | 10 |
| 472 | Application of peptide nucleic acid in electrochemical nucleic acid biosensors. <i>Biopolymers</i> , 2021, 112, e23464. | 1.2 | 10 |
| 473 | Using bimetallic Au/Cu nanoplatelets for construction of facile and label-free inner filter effect-based photoluminescence sensing platform for sarcosine detection. <i>Analytica Chimica Acta</i> , 2022, 1192, 339331. | 2.6 | 10 |
| 474 | Engineering of upconversion carbon dots/metal-organic frameworks "Peeled Pitaya-Like" heterostructure for mitochondria-targeted photodynamic therapy. <i>Chemical Engineering Journal</i> , 2022, 444, 136706. | 6.6 | 10 |
| 475 | Preparation and amperometric response of carbon and platinum dual-cylinder microelectrodes. <i>Electrochimica Acta</i> , 1995, 40, 455-465. | 2.6 | 9 |
| 476 | A New Nitric Oxide Gas Sensor Based on Reticulated Vitreous Carbon/Nafion and Its Applications. <i>Electroanalysis</i> , 2004, 16, 1723-1729. | 1.5 | 9 |
| 477 | Original research Serum proteomic profile analysis for endometrial carcinoma detection with MALDI-TOF MS. <i>Archives of Medical Science</i> , 2010, 2, 245-252. | 0.4 | 9 |
| 478 | Application of Electrodepositing Graphene Nanosheets for Latent Fingerprint Enhancement. <i>Electroanalysis</i> , 2014, 26, 209-215. | 1.5 | 9 |
| 479 | Water-Soluble Fluorescent CdTe/ZnSe Core/Shell Quantum Dot: Aqueous Phase Synthesis and Cytotoxicity Assays. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 4648-4652. | 0.9 | 9 |
| 480 | pH-Responsive nano sensing valve with self-monitoring state property based on hydrophobicity switching. <i>RSC Advances</i> , 2016, 6, 52292-52299. | 1.7 | 9 |
| 481 | 5-Carboxyfluorescein: intrinsic peroxidase-like catalytic activity and its application in the biomimetic synthesis of polyaniline nanoplatelets. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5937-5941. | 2.9 | 9 |
| 482 | Ultrafine nano-TiO ₂ loaded on dendritic porous silica nanoparticles for robust transparent antifogging self-cleaning nanocoatings. <i>Ceramics International</i> , 2020, 46, 23651-23661. | 2.3 | 9 |
| 483 | Rapid detection of high-risk HPV16 and HPV18 based on microchip electrophoresis. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 329-333. | 2.4 | 9 |
| 484 | Rational Design of "Three-in-One" Ratiometric Nanoprobes: Protein-Caged Dityrosine, CdS Quantum Dots, and Gold Nanoclusters. <i>ACS Omega</i> , 2020, 5, 8943-8951. | 1.6 | 9 |
| 485 | On-demand mixing and dispersion in mini-pillar based microdroplets. <i>Nanoscale</i> , 2021, 13, 739-745. | 2.8 | 9 |
| 486 | Postmodulation of the Metal-Organic Framework Precursor toward the Vacancy-Rich Cu ₂ O Transducer for Sensitivity Boost: Synthesis, Catalysis, and H ₂ O ₂ Sensing. <i>Analytical Chemistry</i> , 2021, 93, 11066-11071. | 3.2 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 487 | High-Content Label-Free Single-Cell Analysis with a Microfluidic Device Using Programmable Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2021, 93, 12417-12425. | 3.2 | 9 |
| 488 | A novel electrochemical biosensor for lung cancer-related gene detection based on copper ferrite-enhanced photoinitiated chain-growth amplification. <i>Analytica Chimica Acta</i> , 2021, 1179, 338843. | 2.6 | 9 |
| 489 | Shedding Light on DNA-Based Nanoprobes for Live-Cell MicroRNA Imaging. <i>Small</i> , 2022, 18, e2106281. | 5.2 | 9 |
| 490 | Dual-cylinder microelectrodes Part 2. "Steady-state generator and collector electrode currents. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 605-608. | 1.7 | 8 |
| 491 | A novel enzymatic method for determination of homocysteine using electrochemical hydrogen sulfide sensor. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 3774. | 3.0 | 8 |
| 492 | Facile and material-independent fabrication of poly(luteolin) coatings and their unimpaired antibacterial activity against <i>Staphylococcus aureus</i> after steam sterilization treatments. <i>Polymer Chemistry</i> , 2014, 5, 4211-4214. | 1.9 | 8 |
| 493 | Preparation of catalytic films of the Au nanoparticle-carbon composite tubular arrays. <i>Chemical Communications</i> , 2015, 51, 6333-6336. | 2.2 | 8 |
| 494 | Highly sensitive detection of sequence-specific DNA with morpholino-functionalized magnetic microspheres. <i>Analytical Methods</i> , 2015, 7, 6712-6717. | 1.3 | 8 |
| 495 | Dual-Cargo Selectively Controlled Release Based on a pH-Responsive Mesoporous Silica System. <i>ChemPhysChem</i> , 2015, 16, 607-613. | 1.0 | 8 |
| 496 | A Nanostructured SERS Switch Based on Molecular Beacon-Controlled Assembly of Gold Nanoparticles. <i>Nanomaterials</i> , 2016, 6, 24. | 1.9 | 8 |
| 497 | Smart Design of Small Pd Nanoparticles Confined in Hollow Carbon Nanospheres with Large Center-Radial Mesopores. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2517-2524. | 1.0 | 8 |
| 498 | Cap-free dual stimuli-responsive biodegradable nanocarrier for controlled drug release and chemo-photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 8188-8195. | 2.9 | 8 |
| 499 | Accurate detection of intracellular microRNAs using functional Mo ₂ C quantum dots nanoprobe. <i>Chemical Communications</i> , 2019, 55, 10615-10618. | 2.2 | 8 |
| 500 | Self-assembled meso-tetra(4-carboxyphenyl)porphine: Structural modulation using surfactants for enhanced photoelectrochemical properties. <i>Electrochimica Acta</i> , 2019, 299, 560-566. | 2.6 | 8 |
| 501 | Fluorescence proximity assay based on a metal-organic framework platform. <i>Chemical Communications</i> , 2019, 55, 8158-8161. | 2.2 | 8 |
| 502 | Highly sensitive lung cancer DNA detection via GO enhancing eATRP signal amplification. <i>Microchemical Journal</i> , 2021, 160, 105766. | 2.3 | 8 |
| 503 | Fast and quantitative analysis of level 3 details for latent fingerprints. <i>Analytical Methods</i> , 2021, 13, 5564-5572. | 1.3 | 8 |
| 504 | Construction and Characterization of a New Flexible and Nonbreakable Nitric Oxide Microsensor. <i>Electroanalysis</i> , 2004, 16, 640-643. | 1.5 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 505 | A Facile Graphene Nanosheetsâ€based Electrochemical Sensor for Sensitive Detection of Honokiol in Traditional Chinese Medicine. <i>Electroanalysis</i> , 2016, 28, 508-515. | 1.5 | 7 |
| 506 | Current control by electrode coatings formed by polymerization of dopamine at prussian blue-modified electrodes. <i>Analyst, The</i> , 2016, 141, 2067-2071. | 1.7 | 7 |
| 507 | An indirect ELISA-inspired dual-channel fluorescent immunoassay based on MPA-capped CdTe/ZnS QDs. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5437-5444. | 1.9 | 7 |
| 508 | Recapitulating and Deciphering Tumor Microenvironment by Using 3D Printed Plastic Brickâ€Like Microfluidic Cell Patterning. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901713. | 3.9 | 7 |
| 509 | Magnetic-Propelled Janus Yeast Cell Robots Functionalized with Metal-Organic Frameworks for Mycotoxin Decontamination. <i>Micromachines</i> , 2021, 12, 797. | 1.4 | 7 |
| 510 | Miniâ€pillar Based Multiâ€channel Electrochemical Platform for Studying the Multifactor Silver Electrodeposition. <i>Electroanalysis</i> , 2021, 33, 2401-2405. | 1.5 | 7 |
| 511 | Coenzymeâ€catalyzed electroinitiated reversible addition fragmentation chain transfer polymerization for ultrasensitive electrochemical DNA detection. <i>Talanta</i> , 2022, 236, 122840. | 2.9 | 7 |
| 512 | Click chemistry-based aptasensor for highly sensitive electrochemical detection of thrombin. <i>Analytical Methods</i> , 2017, 9, 3825-3830. | 1.3 | 7 |
| 513 | Sensitive electrochemiluminescence analysis of lung cancer marker miRNA-21 based on RAFT signal amplification. <i>Chemical Communications</i> , 2022, 58, 1701-1703. | 2.2 | 7 |
| 514 | Multi-tailoring of a modified MOF-derived Cu_xO electrochemical transducer for enhanced hydrogen peroxide sensing. <i>Analyst, The</i> , 2021, 147, 72-79. | 1.7 | 7 |
| 515 | Wireless USB-like electrochemical platform for individual electrochemical sensing in microdroplets. <i>Analytica Chimica Acta</i> , 2022, 1197, 339526. | 2.6 | 7 |
| 516 | Jigsaw-like mini-pillar platform for multi-mode biosensing. <i>Chinese Chemical Letters</i> , 2022, 33, 3879-3882. | 4.8 | 7 |
| 517 | Properties and applications of carbon fiber dual-cylinder microelectrodes. <i>Electroanalysis</i> , 1996, 8, 947-951. | 1.5 | 6 |
| 518 | A Comparison of Membrane Inlet Mass Spectrometry and Nitric Oxide (NO) Electrode Techniques to Detect NO in Aqueous Solution. <i>Electroanalysis</i> , 2010, 22, 445-448. | 1.5 | 6 |
| 519 | Stable end-to-end assembly of gold nanorods directed by cyclic disulfide-modified DNA. <i>Applied Physics Letters</i> , 2012, 101, 213701. | 1.5 | 6 |
| 520 | A personalized middleware for ubiquitous mHealth services. , 2012, , . | | 6 |
| 521 | Flexible metallization of electrospun nanofibers: Dramatically enhanced solid-state electrochemistry and electrochemiluminescence of the immobilized tris(2,2â€bipyridyl)ruthenium(II). <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 159-165. | 4.0 | 6 |
| 522 | A Green Route for Substrate-Independent Oil-Repellent Coatings. <i>Scientific Reports</i> , 2016, 6, 38016. | 1.6 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 523 | Wetting transition in nanochannels for biomimetic free-blocking on-demand drug transport. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6269-6277. | 2.9 | 6 |
| 524 | 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> , 2020, 815, 152641. | 2.8 | 6 |
| 525 | A dual signal amplification strategy combining thermally initiated SI-RAFT polymerization and DNA-templated silver nanoparticles for electrochemical determination of DNA. <i>Mikrochimica Acta</i> , 2020, 187, 35. | 2.5 | 6 |
| 526 | A Corrole-Based Covalent Organic Framework Featuring Desymmetrized Topology. <i>Angewandte Chemie</i> , 2020, 132, 4384-4389. | 1.6 | 6 |
| 527 | Inkjet printing based ultra-small MnO ₂ nanosheets synthesis for glutathione sensing. <i>Talanta</i> , 2021, 225, 121989. | 2.9 | 6 |
| 528 | A highly sensitive assay for matrix metalloproteinase 2 via signal amplification strategy of eATRP. <i>Microchemical Journal</i> , 2021, 164, 106015. | 2.3 | 6 |
| 529 | Biohybrid bacterial microswimmers with metal-organic framework exoskeletons enable cytoprotection and active drug delivery in a harsh environment. <i>Materials Today Chemistry</i> , 2022, 23, 100609. | 1.7 | 6 |
| 530 | Electrochemistry of rechargeable aqueous zinc/zinc-sulphate/manganese-oxide batteries and methods for preparation of high-performance cathodes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15415-15426. | 5.2 | 6 |
| 531 | Electrochemical sensors for the determination of hydrogen sulfide production in biological samples. <i>Sensors</i> , 2008, 8, 213-235. | | 5 |
| 532 | Single-walled carbon nanotube ensembles modified gold ultramicroelectrodes prepared by self-assembly deposition method with 1-(1-pyrenyl)-1-methanethiol monolayer as an adhesion layer. <i>Electrochemistry Communications</i> , 2012, 20, 163-166. | 2.3 | 5 |
| 533 | Reverse-Bumpy-Ball-Type-Nanoreactor-Loaded Nylon Membranes as Peroxidase-Mimic Membrane Reactors for a Colorimetric Assay for H ₂ O ₂ . <i>Sensors</i> , 2016, 16, 465. | 2.1 | 5 |
| 534 | A Voltage-Responsive Free Blockage Controlled Release System Based on Hydrophobicity Switching. <i>ChemPhysChem</i> , 2017, 18, 1317-1323. | 1.0 | 5 |
| 535 | Candle Soot Coating for Latent Fingermark Enhancement on Various Surfaces. <i>Sensors</i> , 2017, 17, 1612. | 2.1 | 5 |
| 536 | Wettability alteration in a functional capillary tube for visual quantitative point of care testing. <i>Analyst</i> , 2018, 143, 3001-3005. | 1.7 | 5 |
| 537 | Highly sensitive determination of DNA via a new type of electrochemical zirconium signaling probe. <i>New Journal of Chemistry</i> , 2020, 44, 20770-20775. | 1.4 | 5 |
| 538 | Sensitive detection of transcription factor by coupled fluorescence-encoded microsphere with exonuclease protection. <i>Talanta</i> , 2021, 229, 122272. | 2.9 | 5 |
| 539 | Strongly phosphorescent and water-soluble gold(I)-silver(I)-cysteine nanoplatelets via versatile small biomolecule cysteine-assisted synthesis for intracellular hypochlorite detection. <i>Biosensors and Bioelectronics</i> , 2021, 193, 113571. | 5.3 | 5 |
| 540 | Fluorescent Film Sensors Based on Fluorescent Gold and Silver Nanoclusters. <i>Current Nanoscience</i> , 2015, 11, 702-709. | 0.7 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 541 | Nanobiosensing for Clinical Diagnosis. Biological and Medical Physics Series, 2011, , 535-567. | 0.3 | 4 |
| 542 | MicroRNA Detection and Pathological Functions. Springer Briefs in Molecular Science, 2015, , . | 0.1 | 4 |
| 543 | Sequential Electro-Deposition of Highly Stable Cu-Fe Prussian Blue Coordination Polymers at Indium Tin Oxide Electrode: Characterization and the Enhanced Sensing Application. Journal of the Electrochemical Society, 2015, 162, H918-H921. | 1.3 | 4 |
| 544 | Microâ€Nanomachines: Fuelâ€Free Synthetic Microâ€Nanomachines (Adv. Mater. 9/2017). Advanced Materials, 2017, 29, . | 11.1 | 4 |
| 545 | Size-effect of gold nanorods on modulating the kinetic process of amyloid-Î² aggregation. Chemical Physics Letters, 2019, 734, 136702. | 1.2 | 4 |
| 546 | Vibration reduction for structures: distributed schemes over directed graphs. JVC/Journal of Vibration and Control, 2019, 25, 2025-2042. | 1.5 | 4 |
| 547 | Stimuli-responsive microgels for controlled deposition of gold nanoparticles on surfaces. Nanoscale Advances, 2020, 2, 5242-5253. | 2.2 | 4 |
| 548 | Nitrogen-doped porous carbon with complicated architecture and superior K⁺ storage performance. Sustainable Energy and Fuels, 2021, 5, 396-400. | 2.5 | 4 |
| 549 | 2â€Methylimidazoleâ€assisted Morphology Modulation of a Copperâ€based Metalâ€organic Framework Transducer for Enhanced Electrochemical Peroxidaseâ€like Activity. Electroanalysis, 2023, 35, . | 1.5 | 4 |
| 550 | Dendritic porous silica nanoparticles with high-curvature structures for a dual-mode DNA sensor based on fluorometer and person glucose meter. Mikrochimica Acta, 2021, 188, 407. | 2.5 | 4 |
| 551 | Stable nitronyl nitroxide monoradical MATMP as novel monomer of reversible addition fragmentation chain transfer (RAFT) polymerization for ultrasensitive DNA detection. Analytica Chimica Acta, 2022, 1222, 340167. | 2.6 | 4 |
| 552 | An Overview on Coinage Metal Nanocluster-Based Luminescent Biosensors via Etching Chemistry. Biosensors, 2022, 12, 511. | 2.3 | 4 |
| 553 | Nanostructured Mimic Enzymes for Biocatalysis and Biosensing. Biological and Medical Physics Series, 2011, , 85-109. | 0.3 | 3 |
| 554 | Development of a Sencha-Touch mTest Mobile App for a mLearning System. , 2013, , . | | 3 |
| 555 | A Multimode Responsive Aptasensor for Adenosine Detection. Journal of Nanomaterials, 2014, 2014, 1-7. | 1.5 | 3 |
| 556 | Unusual Fe(CN)₆^{3â€“/4â€“} Capture Induced by Synergic Effect of Electropolymeric Cationic Surfactant and Graphene: Characterization and Biosensing Application. ACS Applied Materials & Interfaces, 2014, 6, 21161-21166. | 4.0 | 3 |
| 557 | Electrochemical studies on the interfacial behaviors for the eco-friendly magnetic nanoparticles based on Î³-Fe ₂ O ₃ . Electrochimica Acta, 2014, 138, 486-492. | 2.6 | 3 |
| 558 | Enrichment and Viability Inhibition of Circulating Tumor Cells on a Dual Acidâ€Responsive Composite Nanofiber Film. ChemMedChem, 2017, 12, 529-536. | 1.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 559 | Liquid Exfoliation of Few-layer 1T-TaS ₂ x Se x Superconductors. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1005-1011. | 0.8 | 3 |
| 560 | Metal-to-Ligand Charge-Transfer-based Visual Detection of Alkaline Phosphatase Activity. Analytical Sciences, 2018, 34, 341-345. | 0.8 | 3 |
| 561 | A Polyester/Polypyrrole Textile-Based Ultrasensitive Wearable Microdistance Sensor. Macromolecular Materials and Engineering, 2021, 306, 2100478. | 1.7 | 3 |
| 562 | A host guest interaction enhanced polymerization amplification for electrochemical detection of cocaine. Analytica Chimica Acta, 2021, 1184, 339041. | 2.6 | 3 |
| 563 | Horseradish Peroxidase-modified Single-walled Carbon Nanotubes as Biocathode for Assembling a Membrane-less Glucose-H ₂ O ₂ Biofuel Cell. Current Nanoscience, 2016, 12, 405-410. | 0.7 | 3 |
| 564 | A thin carbon nanofiber/branched carbon nanofiber nanocomposite for high-performance supercapacitors. New Journal of Chemistry, 2022, 46, 3091-3094. | 1.4 | 3 |
| 565 | High-Selectivity Single-Nucleotide Variant Capture Technology Based on the DNA Reaction Network. Analytical Chemistry, 2022, , . | 3.2 | 3 |
| 566 | Hemoglobin-catalyzed atom transfer radical polymerization for ultrasensitive electrochemical DNA detection. Biosensors and Bioelectronics, 2022, 213, 114485. | 5.3 | 3 |
| 567 | Comparison of Methionine $\hat{\pm}$, $\hat{\beta}$ -Lyase and Homocysteine $\hat{\pm}$, $\hat{\beta}$ -Lyase for Electrochemical Determination of Homocysteine. Electroanalysis, 2007, 19, 1075-1083. | 1.5 | 2 |
| 568 | Zinc ion induced prefibrillar oligomerization of A $\hat{1}^2$ peptides: From nanocoin to nanobelt. Chemical Physics Letters, 2014, 608, 201-206. | 1.2 | 2 |
| 569 | Controllable drug uptake and nongenomic response through estrogen-anchored cyclodextrin drug complex. International Journal of Nanomedicine, 2015, 10, 4717. | 3.3 | 2 |
| 570 | pH-Switchable electroactive composite films of carboxylated multi-walled carbon nanotubes and Prussian blue. RSC Advances, 2015, 5, 103184-103188. | 1.7 | 2 |
| 571 | Consensus-based distributed sensor fusion over a network. , 2017, , . | | 2 |
| 572 | Highly Sensitive Thrombin Detection by Combination of Click Chemistry and Surface-Initiated Polymerization. Journal of the Electrochemical Society, 2019, 166, B1387-B1391. | 1.3 | 2 |
| 573 | Fluorine doped calcium deficient hydroxyapatite nanorod bundles as theranostic nanoplatfoms. Materials Letters, 2020, 264, 127297. | 1.3 | 2 |
| 574 | Optogenetic Control of Phosphatidylinositol (3,4,5)-Triphosphate Production by Light-Sensitive Cryptochrome Proteins on the Plasma Membrane. Chinese Journal of Chemistry, 2021, 39, 1240-1246. | 2.6 | 2 |
| 575 | Cobalt and Copper Hexacyanoferrate Modified Carbon Fiber Microelectrode as an All-Solid Potentiometric Microsensor for Hydrazine. , 2000, 12, 48. | | 2 |
| 576 | Enhancing the Sensitivity of Surface Plasmon Resonance Measurements Utilizing Polymer Film/Au Assemblies. Analytical Chemistry, 2021, 93, 16718-16726. | 3.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 577 | Biomimetic multifactor stimulation method for analyzing the synergism of matrix stiffness and inorganic polyphosphates on cellular behaviors. <i>Talanta</i> , 2022, 241, 123222. | 2.9 | 2 |
| 578 | 2-Methylimidazole-tuned α -Self strategy based on benzimidazole-5-carboxylate for boosting oxygen reduction electrocatalysis. <i>Applied Surface Science</i> , 2022, 591, 153066. | 3.1 | 2 |
| 579 | α -Gold Inlaid with Hair Permanent Fluorescent Hair Dyeing Using Fast Protein-Assisted Biom mineralization of Gold Nanoclusters. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 305-313. | 3.2 | 2 |
| 580 | An electrochemical sensor based on ZIF-67/Ag nanoparticles (NPs)/polydopamine (PDA) nanocomposites for detecting chloride ion with good reproducibility. <i>Journal of Electroanalytical Chemistry</i> , 2022, , 116323. | 1.9 | 2 |
| 581 | Semiconductor Quantum Dots for Electrochemical Biosensors. , 2011, , 199-219. | | 1 |
| 582 | Carbon Nanofiber-Based Nanocomposites for Biosensing. <i>Biological and Medical Physics Series</i> , 2011, , 147-170. | 0.3 | 1 |
| 583 | Self-Assembly of Thiophene Derivatives on Highly Oriented Pyrolytic Graphite: Hydrogen Bond Effect. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 1226-1231. | 0.9 | 1 |
| 584 | Combination of hematin and PEDOT via 1-pyrenebutanoic acid: a new platform for direct electrochemistry of hematin and biosensing applications. <i>RSC Advances</i> , 2014, 4, 46980-46986. | 1.7 | 1 |
| 585 | Template-assisted evaporation deposition of Au nanoparticles for fabrication of hierarchical porous Au film modified electrodes and their salt concentration-dependent capacitive current. <i>Journal of Electroanalytical Chemistry</i> , 2014, 714-715, 116-121. | 1.9 | 1 |
| 586 | The alternative strategy for designing covalent drugs through kinetic effects of pi-stacking on the self-assembled nanoparticles: a model study with antibiotics. <i>Nanotechnology</i> , 2016, 27, 445101. | 1.3 | 1 |
| 587 | Rail-Assisted Dynamic Assembly of Metallic Nanowires. <i>Advanced Intelligent Systems</i> , 2019, 1, 1900100. | 3.3 | 1 |
| 588 | Biosensing with Nanoparticles as Electrogenenerated Chemiluminescence Emitters. <i>Biological and Medical Physics Series</i> , 2011, , 241-264. | 0.3 | 0 |
| 589 | Cytosensing and Cell Surface Carbohydrate Assay by Assembly of Nanoparticles. <i>Biological and Medical Physics Series</i> , 2011, , 485-534. | 0.3 | 0 |
| 590 | Nanostructure for Nitric Oxide Electrochemical Sensing. <i>Biological and Medical Physics Series</i> , 2011, , 333-347. | 0.3 | 0 |
| 591 | A content adaptation middleware for use in a mHealth system. , 2012, , , | | 0 |
| 592 | Multiple Foreign Gene Delivery Can Induce Antibody Production in Mice. <i>Analytical Letters</i> , 2012, 45, 2066-2074. | 1.0 | 0 |
| 593 | miRNA Optical Detection. <i>Springer Briefs in Molecular Science</i> , 2015, , 57-75. | 0.1 | 0 |
| 594 | Intracellular and Organic miRNA In Situ Detection. <i>Springer Briefs in Molecular Science</i> , 2015, , 87-98. | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 595 | miRNA Electrochemical Detection. Springer Briefs in Molecular Science, 2015, , 37-56. | 0.1 | 0 |
| 596 | Cancer Therapy: Fabricating Aptamerâ€‘Conjugated PEGylatedâ€‘MoS ₂ /Cu _{1.8} S Theranostic Nanoplatform for Multiplexed Imaging Diagnosis and Chemoâ€‘Photothermal Therapy of Cancer (Adv. Funct. Mater. 16/2017). Advanced Functional Materials, 2017, 27, . | 7.8 | 0 |
| 597 | Smart Design of Small Pd Nanoparticles Confined in Hollow Carbon Nanospheres with Large Center-Radial Mesopores. European Journal of Inorganic Chemistry, 2017, 2017, 2516-2516. | 1.0 | 0 |
| 598 | Application of in Vivo Fluorescence Imaging and Metal Ion Detection for Investigation of Bis(ethylmaltolato) Oxidovanadium (IV) on Alzheimer's Disease. Chinese Journal of Analytical Chemistry, 2019, 47, 1680-1688. | 0.9 | 0 |
| 599 | Cancer Therapy: Cancer Cell Membrane Camouflaged Semiâ€‘Yolk@Spikyâ€‘Shell Nanomotor for Enhanced Cell Adhesion and Synergistic Therapy (Small 39/2020). Small, 2020, 16, 2070215. | 5.2 | 0 |
| 600 | Au Nanoclusters Based Biosensors. , 2021, , 1-57. | | 0 |
| 601 | Cu-mediated NIR photoinduced polymerization for highly sensitive electrochemical nucleic acid detection. Sensors and Actuators B: Chemical, 2021, 349, 130797. | 4.0 | 0 |
| 602 | Detection of the effect of polydopamine (PDA)-coated polydimethylsiloxane (PDMS) substrates on the release of H ₂ O ₂ from a single HeLa cell. Analyst, The, 2021, 146, 6445-6449. | 1.7 | 0 |
| 603 | In memoriam Steven Yue Qian (1960â€‘2019). Redox Biology, 2020, 37, 101821. | 3.9 | 0 |