

# Jun-Jie Zhu

## List of Publications by Year in descending order

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395  
papers

25,699  
citations

7251

80  
h-index

11608

140  
g-index

409  
all docs

409  
docs citations

409  
times ranked

30559  
citing authors

#	ARTICLE	IF	CITATIONS
1	Focusing on luminescent graphene quantum dots: current status and future perspectives. <i>Nanoscale</i> , 2013, 5, 4015.	2.8	1,295
2	Plasmonic Cu <sub>2</sub> S Nanocrystals: Optical and Structural Properties of Copper-Deficient Copper(I) Sulfides. <i>Journal of the American Chemical Society</i> , 2009, 131, 4253-4261.	6.6	920
3	A Facile Microwave Avenue to Electrochemiluminescent Two-Color Graphene Quantum Dots. <i>Advanced Functional Materials</i> , 2012, 22, 2971-2979.	7.8	768
4	Hair fiber as a precursor for synthesizing of sulfur- and nitrogen-co-doped carbon dots with tunable luminescence properties. <i>Carbon</i> , 2013, 64, 424-434.	5.4	723
5	Tuning Sn-Catalysis for Electrochemical Reduction of CO <sub>2</sub> to CO via the Core/Shell Cu/SnO <sub>2</sub> Structure. <i>Journal of the American Chemical Society</i> , 2017, 139, 4290-4293.	6.6	553
6	Recent Advances in Electrochemiluminescence Analysis. <i>Analytical Chemistry</i> , 2017, 89, 358-371.	3.2	465
7	Green and facile synthesis of highly biocompatible graphene nanosheets and its application for cellular imaging and drug delivery. <i>Journal of Materials Chemistry</i> , 2011, 21, 12034.	6.7	389
8	A Highly Porous Copper Electrocatalyst for Carbon Dioxide Reduction. <i>Advanced Materials</i> , 2018, 30, e1803111.	11.1	356
9	Recent Progress in Electrochemiluminescence Sensing and Imaging. <i>Analytical Chemistry</i> , 2020, 92, 431-454.	3.2	339
10	Electrogenerated Chemiluminescence of Au Nanoclusters for the Detection of Dopamine. <i>Analytical Chemistry</i> , 2011, 83, 661-665.	3.2	338
11	Fabrication of Graphene-Quantum Dots Composites for Sensitive Electrogenerated Chemiluminescence Immunosensing. <i>Advanced Functional Materials</i> , 2011, 21, 869-878.	7.8	303
12	A reversible lithium-CO <sub>2</sub> battery with Ru nanoparticles as a cathode catalyst. <i>Energy and Environmental Science</i> , 2017, 10, 972-978.	15.6	285
13	Nanomaterials-based sensitive electrochemiluminescence biosensing. <i>Nano Today</i> , 2017, 12, 98-115.	6.2	266
14	Nanostructured material-based biofuel cells: recent advances and future prospects. <i>Chemical Society Reviews</i> , 2017, 46, 1545-1564.	18.7	258
15	Insights on forming N,O-coordinated Cu single-atom catalysts for electrochemical reduction CO <sub>2</sub> to methane. <i>Nature Communications</i> , 2021, 12, 586.	5.8	230
16	Composites of Multiwalled Carbon Nanotubes and Molecularly Imprinted Polymers for Dopamine Recognition. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4849-4854.	1.5	223
17	Formation of carbon-nitrogen bonds in carbon monoxide electrolysis. <i>Nature Chemistry</i> , 2019, 11, 846-851.	6.6	223
18	Gold Nanoparticle-Colloidal Carbon Nanosphere Hybrid Material: Preparation, Characterization, and Application for an Amplified Electrochemical Immunoassay. <i>Advanced Functional Materials</i> , 2008, 18, 2197-2204.	7.8	213

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19	Single-crystalline orthorhombic molybdenum oxide nanobelts: synthesis and photocatalytic properties. <i>CrystEngComm</i> , 2010, 12, 3740.	1.3	212
20	Fluorescent nanoprobe for sensing and imaging of metal ions: Recent advances and future perspectives. <i>Nano Today</i> , 2016, 11, 309-329.	6.2	211
21	Living and Conducting: Coating Individual Bacterial Cells with In Situ Formed Polypyrrole. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10516-10520.	7.2	206
22	An Amperometric Biosensor Based on the Coimmobilization of Horseradish Peroxidase and Methylene Blue on a Carbon Nanotubes Modified Electrode. <i>Electroanalysis</i> , 2003, 15, 219-224.	1.5	205
23	Robust Nonenzymatic Hybrid Nanoelectrocatalysts for Signal Amplification toward Ultrasensitive Electrochemical Cytosensing. <i>Journal of the American Chemical Society</i> , 2014, 136, 2288-2291.	6.6	196
24	Microwave-Induced Polyol-Process Synthesis of Copper and Copper Oxide Nanocrystals with Controllable Morphology. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4072-4080.	1.0	188
25	One-Pot Synthesis of Aptamer-Functionalized Silver Nanoclusters for Cell-Type-Specific Imaging. <i>Analytical Chemistry</i> , 2012, 84, 4140-4146.	3.2	188
26	Three-dimensional Dendritic Pt Nanostructures: Sonoelectrochemical Synthesis and Electrochemical Applications. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16385-16392.	1.5	180
27	Preparation of nanocrystalline ceria particles by sonochemical and microwave assisted heating methods. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 3794-3799.	1.3	178
28	Near-Infrared Photothermally Activated DNAzyme-Gold Nanoshells for Imaging Metal Ions in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6798-6802.	7.2	177
29	Enhanced Photoelectrochemical Immunosensing Platform Based on CdSeTe@CdS:Mn Core-Shell Quantum Dots-Sensitized TiO <sub>2</sub> Amplified by CuS Nanocrystals Conjugated Signal Antibodies. <i>Analytical Chemistry</i> , 2016, 88, 3392-3399.	3.2	174
30	Molecular Self-Assembly of Bioorthogonal Aptamer-Prodrug Conjugate Micelles for Hydrogen Peroxide and pH-Independent Cancer Chemodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 937-944.	6.6	165
31	Metal ions optical sensing by semiconductor quantum dots. <i>Journal of Materials Chemistry C</i> , 2014, 2, 595-613.	2.7	163
32	A Catalase-Like Metal-Organic Framework Nanohybrid for O <sub>2</sub> -Evolving Synergistic Chemoradiotherapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8752-8756.	7.2	154
33	Sensitive Electrochemical Detection of Telomerase Activity Using Spherical Nucleic Acids Gold Nanoparticles Triggered Mimic-Hybridization Chain Reaction Enzyme-Free Dual Signal Amplification. <i>Analytical Chemistry</i> , 2015, 87, 3019-3026.	3.2	153
34	Ultrasensitive Photoelectrochemical Immunoassay for Matrix Metalloproteinase-2 Detection Based on CdS:Mn/CdTe Cosensitized TiO <sub>2</sub> Nanotubes and Signal Amplification of SiO <sub>2</sub> @Ab Conjugates. <i>Analytical Chemistry</i> , 2014, 86, 12398-12405.	3.2	150
35	Gold Nanosponge-Based Multistimuli-Responsive Drug Vehicles for Targeted Chemo-Photothermal Therapy. <i>Advanced Materials</i> , 2016, 28, 8218-8226.	11.1	150
36	Preparation of monodispersed nanocrystalline CeO <sub>2</sub> powders by microwave irradiation. <i>Chemical Communications</i> , 2001, , 937-938.	2.2	149

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37	Near Infrared-Guided Smart Nanocarriers for MicroRNA-Controlled Release of Doxorubicin/siRNA with Intracellular ATP as Fuel. <i>ACS Nano</i> , 2016, 10, 3637-3647.	7.3	149
38	CuNi Nanoparticles Assembled on Graphene for Catalytic Methanolysis of Ammonia Borane and Hydrogenation of Nitro/Nitrile Compounds. <i>Chemistry of Materials</i> , 2017, 29, 1413-1418.	3.2	149
39	Fabrication of gold nanoparticles on bilayer graphene for glucose electrochemical biosensing. <i>Journal of Materials Chemistry</i> , 2011, 21, 7604.	6.7	141
40	Polyaniline networks grown on graphene nanoribbons-coated carbon paper with a synergistic effect for high-performance microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12587.	5.2	138
41	Nanomaterial-based activatable imaging probes: from design to biological applications. <i>Chemical Society Reviews</i> , 2015, 44, 7855-7880.	18.7	138
42	Graphene-CdS Nanocomposites: Facile One-Step Synthesis and Enhanced Photoelectrochemical Cytosensing. <i>Chemistry - A European Journal</i> , 2012, 18, 4974-4981.	1.7	137
43	Aptamer/Graphene Quantum Dots Nanocomposite Capped Fluorescent Mesoporous Silica Nanoparticles for Intracellular Drug Delivery and Real-Time Monitoring of Drug Release. <i>Analytical Chemistry</i> , 2015, 87, 11739-11745.	3.2	136
44	Targeting and Imaging of Cancer Cells via Monosaccharide-Imprinted Fluorescent Nanoparticles. <i>Scientific Reports</i> , 2016, 6, 22757.	1.6	135
45	Fabrication of Gold Nanorods with Tunable Longitudinal Surface Plasmon Resonance Peaks by Reductive Dopamine. <i>Langmuir</i> , 2015, 31, 817-823.	1.6	134
46	Highly Emissive Nd <sup>3+</sup> -Sensitized Multilayered Upconversion Nanoparticles for Efficient 795 nm Operated Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2016, 26, 4778-4785.	7.8	132
47	Concatenated Catalytic Hairpin Assembly/Hyperbranched Hybridization Chain Reaction Based Enzyme-Free Signal Amplification for the Sensitive Photoelectrochemical Detection of Human Telomerase RNA. <i>Analytical Chemistry</i> , 2019, 91, 3619-3627.	3.2	129
48	A new signal amplification strategy of photoelectrochemical immunoassay for highly sensitive interleukin-6 detection based on TiO <sub>2</sub> /CdS/CdSe dual co-sensitized structure. <i>Biosensors and Bioelectronics</i> , 2014, 59, 45-53.	5.3	128
49	A programmable polymer library that enables the construction of stimuli-responsive nanocarriers containing logic gates. <i>Nature Chemistry</i> , 2020, 12, 381-390.	6.6	122
50	Pt-Au/nitrogen-doped graphene nanocomposites for enhanced electrochemical activities. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1754-1762.	5.2	121
51	Incorporating Nitrogen-Doped Graphene Quantum Dots and Ni <sub>3</sub> S <sub>2</sub> Nanosheets: A Synergistic Electrocatalyst with Highly Enhanced Activity for Overall Water Splitting. <i>Small</i> , 2017, 13, 1700264.	5.2	120
52	<i>In Situ</i> Amplification of Intracellular MicroRNA with MNzyme Nanodevices for Multiplexed Imaging, Logic Operation, and Controlled Drug Release. <i>ACS Nano</i> , 2015, 9, 789-798.	7.3	118
53	Cathode Photoelectrochemical Immunosensing Platform Integrating Photocathode with Photoanode. <i>Analytical Chemistry</i> , 2016, 88, 10352-10356.	3.2	118
54	A novel electrochemiluminescence biosensor for the detection of microRNAs based on a DNA functionalized nitrogen doped carbon quantum dots as signal enhancers. <i>Biosensors and Bioelectronics</i> , 2017, 92, 273-279.	5.3	114

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55	Study of the Partial Ag-to-Zn Cation Exchange in AgInS <sub>2</sub> /ZnS Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2013, 117, 648-656.	1.5	112
56	Single Gold@Silver Nanoprobes for Real-Time Tracing the Entire Autophagy Process at Single-Cell Level. <i>Journal of the American Chemical Society</i> , 2015, 137, 1903-1908.	6.6	111
57	Electrochemical sensor based on Ce-MOF/carbon nanotube composite for the simultaneous discrimination of hydroquinone and catechol. <i>Journal of Hazardous Materials</i> , 2021, 416, 125895.	6.5	111
58	Enhanced Photoelectrochemical Strategy for Ultrasensitive DNA Detection Based on Two Different Sizes of CdTe Quantum Dots Cosensitized TiO <sub>2</sub> /CdS:Mn Hybrid Structure. <i>Analytical Chemistry</i> , 2014, 86, 10877-10884.	3.2	109
59	Signal-On Photoelectrochemical Biosensor for Sensitive Detection of Human T-Cell Lymphotropic Virus Type II DNA: Dual Signal Amplification Strategy Integrating Enzymatic Amplification with Terminal Deoxynucleotidyl Transferase-Mediated Extension. <i>Analytical Chemistry</i> , 2015, 87, 4949-4956.	3.2	108
60	Electrogenerated Chemiluminescence Resonance Energy Transfer between Ru(bpy) <sub>3</sub> <sup>2+</sup> Electrogenerated Chemiluminescence and Gold Nanoparticles/Graphene Oxide Nanocomposites with Graphene Oxide as Coreactant and Its Sensing Application. <i>Analytical Chemistry</i> , 2016, 88, 5469-5475.	3.2	108
61	Cascade Amplification-Mediated In Situ Hot-Spot Assembly for MicroRNA Detection and Molecular Logic Gate Operations. <i>Analytical Chemistry</i> , 2018, 90, 4544-4551.	3.2	108
62	Self-Assembly of Polyaniline/Au Composites: From Nanotubes to Nanofibers. <i>Macromolecular Rapid Communications</i> , 2006, 27, 31-36.	2.0	105
63	Hybrid Nanomedicine Fabricated from Photosensitizer-Terminated Metal-Organic Framework Nanoparticles for Photodynamic Therapy and Hypoxia-Activated Cascade Chemotherapy. <i>Small</i> , 2019, 15, e1804131.	5.2	105
64	N-Doped Graphene: An Alternative Carbon-Based Matrix for Highly Efficient Detection of Small Molecules by Negative Ion MALDI-TOF MS. <i>Analytical Chemistry</i> , 2014, 86, 9122-9130.	3.2	104
65	Highly Sensitive and Selective Photoelectrochemical Biosensor for Hg <sup>2+</sup> Detection Based on Dual Signal Amplification by Exciton Energy Transfer Coupled with Sensitization Effect. <i>Analytical Chemistry</i> , 2015, 87, 12340-12347.	3.2	104
66	Engineering the Surface of Smart Nanocarriers Using a pH/Thermal/GSH-Responsive Polymer Zipper for Precise Tumor Targeting Therapy In Vivo. <i>Advanced Materials</i> , 2017, 29, 1702311.	11.1	102
67	Sonochemical Preparation of Luminescent PbWO <sub>4</sub> Nanocrystals with Morphology Evolution. <i>Crystal Growth and Design</i> , 2006, 6, 321-326.	1.4	98
68	Nickel Molybdenum Nitride Nanorods Grown on Ni Foam as Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30400-30408.	4.0	97
69	Bacteria-Affinity 3D Macroporous Graphene/MWCNTs/Fe <sub>3</sub> O <sub>4</sub> Foams for High-Performance Microbial Fuel Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16170-16177.	4.0	96
70	Bio-Coreactant-Enhanced Electrochemiluminescence Microscopy of Intracellular Structure and Transport. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4907-4914.	7.2	96
71	Silver Nanoclusters Beacon as Stimuli-Responsive Versatile Platform for Multiplex DNAs Detection and Aptamer-Substrate Complexes Sensing. <i>Analytical Chemistry</i> , 2017, 89, 1002-1008.	3.2	95
72	TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> /CdS Nanocomposite-Based Photoelectrochemical Biosensor for Ultrasensitive Evaluation of T4 Polynucleotide Kinase Activity. <i>Analytical Chemistry</i> , 2019, 91, 1563-1570.	3.2	93

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73	High biocurrent generation in <i>Shewanella</i> -inoculated microbial fuel cells using ionic liquid functionalized graphene nanosheets as an anode. <i>Chemical Communications</i> , 2013, 49, 6668.	2.2	87
74	Nanostructured Graphene/TiO <sub>2</sub> Hybrids as High-Performance Anodes for Microbial Fuel Cells. <i>Chemistry - A European Journal</i> , 2014, 20, 7091-7097.	1.7	87
75	Highly sensitive photoelectrochemical assay for DNA methyltransferase activity and inhibitor screening by exciton energy transfer coupled with enzyme cleavage biosensing strategy. <i>Biosensors and Bioelectronics</i> , 2015, 64, 449-455.	5.3	87
76	Electrode Materials Engineering in Electrocatalytic CO <sub>2</sub> Reduction: Energy Input and Conversion Efficiency. <i>Advanced Materials</i> , 2020, 32, e1903796.	11.1	87
77	Highly reproducible synthesis of hollow gold nanospheres with near infrared surface plasmon absorption using PVP as stabilizing agent. <i>Journal of Materials Chemistry</i> , 2011, 21, 2344-2350.	6.7	85
78	Bipyridine-Assisted Assembly of Au Nanoparticles on Cu Nanowires To Enhance the Electrochemical Reduction of CO <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14100-14103.	7.2	85
79	Ultrasensitive photoelectrochemical immunoassay for CA19-9 detection based on CdSe@ZnS quantum dots sensitized TiO <sub>2</sub> NWs/Au hybrid structure amplified by quenching effect of Ab <sub>2</sub> @V <sub>2</sub> <sup>+</sup> conjugates. <i>Biosensors and Bioelectronics</i> , 2016, 77, 339-346.	5.3	84
80	Dynamically imaging collision electrochemistry of single electrochemiluminescence nano-emitters. <i>Chemical Science</i> , 2018, 9, 6167-6175.	3.7	83
81	Electrochemiluminescence energy transfer-promoted ultrasensitive immunoassay using near-infrared-emitting CdSeTe/CdS/ZnS quantum dots and gold nanorods. <i>Scientific Reports</i> , 2013, 3, 1529.	1.6	82
82	Simultaneous Detection of Tumor Cell Apoptosis Regulators Bcl-2 and Bax through a Dual-Signal-Marked Electrochemical Immunosensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 7674-7682.	4.0	82
83	Sonoelectrochemical fabrication of PDDA-RGO-PdPt nanocomposites as electrocatalyst for DAFCs. <i>Journal of Materials Chemistry</i> , 2011, 21, 7343.	6.7	80
84	Promoting Oxidative Stress in Cancer Starvation Therapy by Site-Specific Startup of Hyaluronic Acid-Enveloped Dual-Catalytic Nanoreactors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 18995-19005.	4.0	80
85	Endogenous mRNA Triggered DNA-Au Nanomachine for In Situ Imaging and Targeted Multimodal Synergistic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5948-5958.	7.2	80
86	Electrochemiluminescent Sensing for Caspase-3 Activity Based on Ru(bpy) <sub>3</sub> <sup>2+</sup> -Doped Silica Nanoprobe. <i>Analytical Chemistry</i> , 2016, 88, 1922-1929.	3.2	78
87	Ultrasonic-assisted synthesis of Pd-Pt/carbon nanotubes nanocomposites for enhanced electro-oxidation of ethanol and methanol in alkaline medium. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 192-198.	3.8	78
88	Toward the Early Evaluation of Therapeutic Effects: An Electrochemical Platform for Ultrasensitive Detection of Apoptotic Cells. <i>Analytical Chemistry</i> , 2011, 83, 7902-7909.	3.2	77
89	A Graphene/Poly(3,4-ethylenedioxythiophene) Hybrid as an Anode for High-Performance Microbial Fuel Cells. <i>ChemPlusChem</i> , 2013, 78, 823-829.	1.3	77
90	Metal ions triggered ligase activity for rolling circle amplification and its application in molecular logic gate operations. <i>Chemical Science</i> , 2013, 4, 1858.	3.7	77

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91	Ultrasensitive multi-analyte electrochemical immunoassay based on GNR-modified heated screen-printed carbon electrodes and PS@PDA-metal labels for rapid detection of MMP-9 and IL-6. <i>Biosensors and Bioelectronics</i> , 2014, 55, 51-56.	5.3	77
92	High-Efficient Energy Funneling Based on Electrochemiluminescence Resonance Energy Transfer in Graded-Gap Quantum Dots Bilayers for Immunoassay. <i>Analytical Chemistry</i> , 2014, 86, 3284-3290.	3.2	77
93	Electrochemiluminescence based on quantum dots and their analytical application. <i>Analytical Methods</i> , 2011, 3, 33-42.	1.3	76
94	Direct Electrochemiluminescence Imaging of a Single Cell on a Chitosan Film Modified Electrode. <i>Analytical Chemistry</i> , 2018, 90, 4801-4806.	3.2	73
95	Fluorescent Self-Healing Carbon Dot/Polymer Gels. <i>ACS Nano</i> , 2019, 13, 1433-1442.	7.3	73
96	Aptamer-Conjugated Au Nanocage/SiO <sub>2</sub> Core-Shell Bifunctional Nanoprobes with High Stability and Biocompatibility for Cellular SERS Imaging and Near-Infrared Photothermal Therapy. <i>ACS Sensors</i> , 2019, 4, 301-308.	4.0	73
97	FITC Doped Rattle-Type Silica Colloidal Particle-Based Ratiometric Fluorescent Sensor for Biosensing and Imaging of Superoxide Anion. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 6423-6430.	4.0	72
98	Nitrogen-doped hollow carbon nanospheres for high-energy-density biofuel cells and self-powered sensing of microRNA-21 and microRNA-141. <i>Nano Energy</i> , 2018, 44, 95-102.	8.2	72
99	Three-in-one Nanohybrids as Synergistic Nanoquenchers to Enhance No-Wash Fluorescence Biosensors for Ratiometric Detection of Cancer Biomarkers. <i>Theranostics</i> , 2018, 8, 3461-3473.	4.6	72
100	Carbon-based dots for electrochemiluminescence sensing. <i>Materials Chemistry Frontiers</i> , 2020, 4, 369-385.	3.2	72
101	Photoelectrochemical DNA Biosensor Based on Dual-Signal Amplification Strategy Integrating Inorganic-Organic Nanocomposites Sensitization with λ-Exonuclease-Assisted Target Recycling. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 35091-35098.	4.0	70
102	Biobar-Coded Gold Nanoparticles and DNAzyme-Based Dual Signal Amplification Strategy for Ultrasensitive Detection of Protein by Electrochemiluminescence. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 696-703.	4.0	69
103	Bioapplications of DNA nanotechnology at the solid-liquid interface. <i>Chemical Society Reviews</i> , 2019, 48, 4892-4920.	18.7	68
104	Plasmon Near-Field Coupling of Bimetallic Nanostars and a Hierarchical Bimetallic SERS Hot Field Toward Ultrasensitive Simultaneous Detection of Multiple Cardiorenal Syndrome Biomarkers. <i>Analytical Chemistry</i> , 2019, 91, 864-872.	3.2	67
105	An Improved Strategy for High-Quality Cesium Bismuth Bromine Perovskite Quantum Dots with Remarkable Electrochemiluminescence Activities. <i>Analytical Chemistry</i> , 2019, 91, 8607-8614.	3.2	66
106	The electrochemical applications of rare earth-based nanomaterials. <i>Analyst</i> , 2019, 144, 6789-6811.	1.7	66
107	Ultrasound assisted reduction of graphene oxide to graphene in l-ascorbic acid aqueous solutions: Kinetics and effects of various factors on the rate of graphene formation. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1174-1181.	3.8	64
108	Inkjet-printed porous polyaniline gel as an efficient anode for microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14555-14559.	5.2	64

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109	Construction of drug-drug conjugate supramolecular nanocarriers based on water-soluble pillar[6]arene for combination chemotherapy. <i>Chemical Communications</i> , 2018, 54, 9462-9465.	2.2	64
110	Imaging Local Heating and Thermal Diffusion of Nanomaterials with Plasmonic Thermal Microscopy. <i>ACS Nano</i> , 2015, 9, 11574-11581.	7.3	63
111	Ultrasensitive photoelectrochemical biosensor for the detection of HTLV-I DNA: A cascade signal amplification strategy integrating $\lambda$ -exonuclease aided target recycling with hybridization chain reaction and enzyme catalysis. <i>Biosensors and Bioelectronics</i> , 2018, 109, 190-196.	5.3	63
112	Resonance energy transfer in electrochemiluminescent and photoelectrochemical bioanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 123, 115745.	5.8	63
113	Tumor-Homing Cell-Penetrating Peptide Linked to Colloidal Mesoporous Silica Encapsulated (-)-Epigallocatechin-3-gallate as Drug Delivery System for Breast Cancer Therapy <i>in Vivo</i> . <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 18145-18155.	4.0	62
114	Rapid Microwave-Assisted Synthesis of Single-Crystalline $\text{Sb}_2\text{Te}_3$ Hexagonal Nanoplates. <i>Crystal Growth and Design</i> , 2008, 8, 4394-4397.	1.4	61
115	Microwave-Assisted <i>In Situ</i> Synthesis of Graphene/PEDOT Hybrid and Its Application in Supercapacitors. <i>ChemPlusChem</i> , 2013, 78, 227-234.	1.3	61
116	A novel electrochemically enhanced homogeneous PMS-heterogeneous $\text{CoFe}_2\text{O}_4$ synergistic catalysis for the efficient removal of levofloxacin. <i>Journal of Hazardous Materials</i> , 2022, 424, 127651.	6.5	61
117	A competitive electrochemical immunosensor for the detection of human interleukin-6 based on the electrically heated carbon electrode and silver nanoparticles functionalized labels. <i>Talanta</i> , 2014, 122, 135-139.	2.9	60
118	Design of an enzymatic biofuel cell with large power output. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11511-11516.	5.2	60
119	Simple Tripedal DNA Walker Prepared by Target-Triggered Catalytic Hairpin Assembly for Ultrasensitive Electrochemiluminescence Detection of MicroRNA. <i>ACS Sensors</i> , 2020, 5, 3584-3590.	4.0	60
120	Enhanced photoelectrochemical aptasensing platform based on exciton energy transfer between $\text{CdSeTe}$ alloyed quantum dots and $\text{SiO}_2/\text{Au}$ nanocomposites. <i>Chemical Communications</i> , 2015, 51, 7023-7026.	2.2	59
121	Efficient Solid-State Electrochemiluminescence from High-Quality Perovskite Quantum Dot Films. <i>Analytical Chemistry</i> , 2017, 89, 8212-8216.	3.2	59
122	Oxygen Species on Nitrogen-Doped Carbon Nanosheets as Efficient Active Sites for Multiple Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 11678-11688.	4.0	58
123	Nanoarchitected Electrochemical Cytosensors for Selective Detection of Leukemia Cells and Quantitative Evaluation of Death Receptor Expression on Cell Surfaces. <i>Analytical Chemistry</i> , 2013, 85, 5609-5616.	3.2	57
124	A novel aptasensor for lysozyme based on electrogenerated chemiluminescence resonance energy transfer between luminol and silicon quantum dots. <i>Biosensors and Bioelectronics</i> , 2017, 94, 530-535.	5.3	57
125	N,S-doped carbon dots as dual-functional modifiers to boost bio-electricity generation of individually-modified bacterial cells. <i>Nano Energy</i> , 2019, 63, 103875.	8.2	57
126	Stable and Monochromatic All-Inorganic Halide Perovskite Assisted by Hollow Carbon Nitride Nanosphere for Ratiometric Electrochemiluminescence Bioanalysis. <i>Analytical Chemistry</i> , 2020, 92, 4123-4130.	3.2	57



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127	Evaluation of intracellular telomerase activity through cascade DNA logic gates. <i>Chemical Science</i> , 2017, 8, 174-180.	3.7	56
128	Peptide-Based Photoelectrochemical Cytosensor Using a Hollow-TiO <sub>2</sub> /EG/ZnIn <sub>2</sub> S <sub>4</sub> Cosensitized Structure for Ultrasensitive Detection of Early Apoptotic Cells and Drug Evaluation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 4429-4438.	4.0	56
129	Lighting Up MicroRNA in Living Cells by the Disassembly of Lock-Like DNA-Programmed UCNP@AuNPs through the Target Cycling Amplification Strategy. <i>Small</i> , 2018, 14, e1802292.	5.2	56
130	Plasmon Coupling-Enhanced Raman Sensing Platform Integrated with Exonuclease-Assisted Target Recycling Amplification for Ultrasensitive and Selective Detection of microRNA-21. <i>Analytical Chemistry</i> , 2019, 91, 12298-12306.	3.2	56
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