Jun-Jie Zhu

List of Publications by Year
in descending order

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Version: 2024-02-01

395 papers	25,699 citations	5891 81 h-index	10152 140 g-index
409 all docs	409 docs citations	409 times ranked	26957 citing authors

#	Article	IF	Citations
1	Focusing on luminescent graphene quantum dots: current status and future perspectives. Nanoscale, 2013, 5, 4015.	2.8	1,295
2	Plasmonic Cu_{2â^'x}S Nanocrystals: Optical and Structural Properties of Copper-Deficient Copper(I) Sulfides. Journal of the American Chemical Society, 2009, 131, 4253-4261.	6.6	920
3	A Facile Microwave Avenue to Electrochemiluminescent Twoâ€Color Graphene Quantum Dots. Advanced Functional Materials, 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. Carbon, 2013, 64, 424-434.	5.4	723
5	Tuning Sn-Catalysis for Electrochemical Reduction of CO₂ to CO via the Core/Shell Cu/SnO₂ Structure. Journal of the American Chemical Society, 2017, 139, 4290-4293.	6.6	553
6	Recent Advances in Electrochemiluminescence Analysis. Analytical Chemistry, 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. Journal of Materials Chemistry, 2011, 21, 12034.	6.7	389
8	A Highly Porous Copper Electrocatalyst for Carbon Dioxide Reduction. Advanced Materials, 2018, 30, e1803111.	11.1	356
9	Recent Progress in Electrochemiluminescence Sensing and Imaging. Analytical Chemistry, 2020, 92, 431-454.	3.2	339
10	Electrogenerated Chemiluminescence of Au Nanoclusters for the Detection of Dopamine. Analytical Chemistry, 2011, 83, 661-665.	3.2	338
11	Fabrication of Grapheneâ€“Quantum Dots Composites for Sensitive Electrogenerated Chemiluminescence Immunosensing. Advanced Functional Materials, 2011, 21, 869-878.	7.8	303
12	A reversible lithiumâ€“CO₂ battery with Ru nanoparticles as a cathode catalyst. Energy and Environmental Science, 2017, 10, 972-978.	15.6	285
13	Nanomaterials-based sensitive electrochemiluminescence biosensing. Nano Today, 2017, 12, 98-115.	6.2	266
14	Nanostructured material-based biofuel cells: recent advances and future prospects. Chemical Society Reviews, 2017, 46, 1545-1564.	18.7	258
15	Insights on forming N,O-coordinated Cu single-atom catalysts for electrochemical reduction CO2 to methane. Nature Communications, 2021, 12, 586.	5.8	230
16	Composites of Multiwalled Carbon Nanotubes and Molecularly Imprinted Polymers for Dopamine Recognition. Journal of Physical Chemistry C, 2008, 112, 4849-4854.	1.5	223
17	Formation of carbonâ€“nitrogen bonds in carbon monoxide electrolysis. Nature Chemistry, 2019, 11, 846-851.	6.6	223
18	Gold Nanoparticleâ€“Colloidal Carbon Nanosphere Hybrid Material: Preparation, Characterization, and Application for an Amplified Electrochemical Immunoassay. Advanced Functional Materials, 2008, 18, 2197-2204.	7.8	213

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19	Single-crystalline orthorhombic molybdenum oxide nanobelts: synthesis and photocatalytic properties. CrystEngComm, 2010, 12, 3740.	1.3	212
20	Fluorescent nanoprobes for sensing and imaging of metal ions: Recent advances and future perspectives. Nano Today, 2016, 11, 309-329.	6.2	211
21	Living and Conducting: Coating Individual Bacterial Cells with Inâ€...Situ Formed Polypyrrole. Angewandte Chemie - International Edition, 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. Electroanalysis, 2003, 15, 219-224.	1.5	205
23	Robust Nonenzymatic Hybrid Nanoelectrocatalysts for Signal Amplification toward Ultrasensitive Electrochemical Cytosensing. Journal of the American Chemical Society, 2014, 136, 2288-2291.	6.6	196
24	Microwave-Induced Polyol-Process Synthesis of Copper and Copper Oxide Nanocrystals with Controllable Morphology. European Journal of Inorganic Chemistry, 2004, 2004, 4072-4080.	1.0	188
25	One-Pot Synthesis of Aptamer-Functionalized Silver Nanoclusters for Cell-Type-Specific Imaging. Analytical Chemistry, 2012, 84, 4140-4146.	3.2	188
26	Three-dimensional Dendritic Pt Nanostructures: Sonoelectrochemical Synthesis and Electrochemical Applications. Journal of Physical Chemistry C, 2008, 112, 16385-16392.	1.5	180
27	Preparation of nanocrystalline ceria particles by sonochemical and microwave assisted heating methods. Physical Chemistry Chemical Physics, 2002, 4, 3794-3799.	1.3	178
28	Nearâ€Infrared Photothermally Activated DNAzymeâ€“Gold Nanoshells for Imaging Metal Ions in Living Cells. Angewandte Chemie - International Edition, 2017, 56, 6798-6802.	7.2	177
29	Enhanced Photoelectrochemical Immunosensing Platform Based on CdSeTe@CdS:Mn Coreâ€“Shell Quantum Dots-Sensitized TiO₂ Amplified by CuS Nanocrystals Conjugated Signal Antibodies. Analytical Chemistry, 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. Journal of the American Chemical Society, 2020, 142, 937-944.	6.6	165
31	Metal ions optical sensing by semiconductor quantum dots. Journal of Materials Chemistry C, 2014, 2, 595-613.	2.7	163
32	A Catalaseâ€Like Metalâ€Organic Framework Nanohybrid for O₂â€Evolving Synergistic Chemoradiotherapy. Angewandte Chemie - International Edition, 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. Analytical Chemistry, 2015, 87, 3019-3026.	3.2	153
34	Ultrasensitive Photoelectrochemical Immunoassay for Matrix Metalloproteinase-2 Detection Based on CdS:Mn/CdTe Cosensitized TiO₂ Nanotubes and Signal Amplification of SiO₂@Ab₂ Conjugates. Analytical Chemistry, 2014, 86, 12398-12405.	3.2	150
35	Goldâ€Nanospongeâ€Based Multistimuliâ€Responsive Drug Vehicles for Targeted Chemoâ€Photothermal Therapy. Advanced Materials, 2016, 28, 8218-8226.	11.1	150
36	Preparation of monodispersed nanocrystalline CeO2 powders by microwave irradiation. Chemical Communications, 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. ACS Nano, 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. Chemistry of Materials, 2017, 29, 1413-1418.	3.2	149
39	Fabrication of gold nanoparticles on bilayer graphene for glucose electrochemical biosensing. Journal of Materials Chemistry, 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. Journal of Materials Chemistry A, 2013, 1, 12587.	5.2	138
41	Nanomaterial-based activatable imaging probes: from design to biological applications. Chemical Society Reviews, 2015, 44, 7855-7880.	18.7	138
42	Grapheneâ€“CdS Nanocomposites: Facile Oneâ€Step Synthesis and Enhanced Photoelectrochemical Cytosensing. Chemistry - A European Journal, 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. Analytical Chemistry, 2015, 87, 11739-11745.	3.2	136
44	Targeting and Imaging of Cancer Cells via Monosaccharide-Imprinted Fluorescent Nanoparticles. Scientific Reports, 2016, 6, 22757.	1.6	135
45	Fabrication of Gold Nanorods with Tunable Longitudinal Surface Plasmon Resonance Peaks by Reductive Dopamine. Langmuir, 2015, 31, 817-823.	1.6	134
46	Highly Emissive Nd³⁺â€Sensitized Multilayered Upconversion Nanoparticles for Efficient 795 nm Operated Photodynamic Therapy. Advanced Functional Materials, 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. Analytical Chemistry, 2019, 91, 3619-3627.	3.2	129
48	A new signal amplification strategy of photoelectrochemical immunoassay for highly sensitive interleukin-6 detection based on TiO2/CdS/CdSe dual co-sensitized structure. Biosensors and Bioelectronics, 2014, 59, 45-53.	5.3	128
49	A programmable polymer library that enables the construction of stimuli-responsive nanocarriers containing logic gates. Nature Chemistry, 2020, 12, 381-390.	6.6	122
50	Ptâ€“Au/nitrogen-doped graphene nanocomposites for enhanced electrochemical activities. Journal of Materials Chemistry A, 2013, 1, 1754-1762.	5.2	121
51	Incorporating Nitrogen-Doped Graphene Quantum Dots and Ni₃ S₂ Nanosheets: A Synergistic Electrocatalyst with Highly Enhanced Activity for Overall Water Splitting. Small, 2017, 13, 1700264.	5.2	120
52	In Situ Amplification of Intracellular MicroRNA with MNAzyme Nanodevices for Multiplexed Imaging, Logic Operation, and Controlled Drug Release. ACS Nano, 2015, 9, 789-798.	7.3	118
53	Cathode Photoelectrochemical Immunosensing Platform Integrating Photocathode with Photoanode. Analytical Chemistry, 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. Biosensors and Bioelectronics, 2017, 92, 273-279.	5.3	114

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55	Study of the Partial Ag-to-Zn Cation Exchange in AgInS₂/ZnS Nanocrystals. Journal of Physical Chemistry C, 2013, 117, 648-656.	1.5	112
56	Single Gold@Silver Nanoprobes for Real-Time Tracing the Entire Autophagy Process at Single-Cell Level. Journal of the American Chemical Society, 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. Journal of Hazardous Materials, 2021, 416, 125895.	6.5	111
58	Enhanced Photoelectrochemical Strategy for Ultrasensitive DNA Detection Based on Two Different Sizes of CdTe Quantum Dots Cosensitized TiO₂/CdS:Mn Hybrid Structure. Analytical Chemistry, 2014, 86, 10877-10884.	3.2	109
59	â€œSignal-Onâ€•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. Analytical Chemistry, 2015, 87, 4949-4956.	3.2	108
60	Electrogenerated Chemiluminescence Resonance Energy Transfer between Ru(bpy)₃²⁺ Electrogenerated Chemiluminescence and Gold Nanoparticles/Graphene Oxide Nanocomposites with Graphene Oxide as Coreactant and Its Sensing Application. Analytical Chemistry, 2016, 88, 5469-5475.	3.2	108
61	Cascade Amplification-Mediated In Situ Hot-Spot Assembly for MicroRNA Detection and Molecular Logic Gate Operations. Analytical Chemistry, 2018, 90, 4544-4551.	3.2	108
62	Self-Assembly of Polyaniline/Au Composites: From Nanotubes to Nanofibers. Macromolecular Rapid Communications, 2006, 27, 31-36.	2.0	105
63	Hybrid Nanomedicine Fabricated from Photosensitizerâ€Terminated Metalâ€“Organic Framework Nanoparticles for Photodynamic Therapy and Hypoxiaâ€Activated Cascade Chemotherapy. Small, 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. Analytical Chemistry, 2014, 86, 9122-9130.	3.2	104
65	Highly Sensitive and Selective Photoelectrochemical Biosensor for Hg²⁺ Detection Based on Dual Signal Amplification by Exciton Energy Transfer Coupled with Sensitization Effect. Analytical Chemistry, 2015, 87, 12340-12347.	3.2	104
66	Engineering the Surface of Smart Nanocarriers Using a pHâ€/Thermalâ€/GSHâ€Responsive Polymer Zipper for Precise Tumor Targeting Therapy In Vivo. Advanced Materials, 2017, 29, 1702311.	11.1	102
67	Sonochemical Preparation of Luminescent PbWO4Nanocrystals with Morphology Evolution. Crystal Growth and Design, 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. ACS Applied Materials & Interfaces, 2018, 10, 30400-30408.	4.0	97
69	Bacteria-Affinity 3D Macroporous Graphene/MWCNTs/Fe₃O₄ Foams for High-Performance Microbial Fuel Cells. ACS Applied Materials & Interfaces, 2016, 8, 16170-16177.	4.0	96
70	Bioâ€Coreactantâ€Enhanced Electrochemiluminescence Microscopy of Intracellular Structure and Transport. Angewandte Chemie - International Edition, 2021, 60, 4907-4914.	7.2	96
71	Silver Nanoclusters Beacon as Stimuli-Responsive Versatile Platform for Multiplex DNAs Detection and Aptamerâ€“Substrate Complexes Sensing. Analytical Chemistry, 2017, 89, 1002-1008.	3.2	95
72	TiO₂/g-C₃N₄/CdS Nanocomposite-Based Photoelectrochemical Biosensor for Ultrasensitive Evaluation of T4 Polynucleotide Kinase Activity. Analytical Chemistry, 2019, 91, 1563-1570.	3.2	93

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73	High biocurrent generation in Shewanella-inoculated microbial fuel cells using ionic liquid functionalized graphene nanosheets as an anode. Chemical Communications, 2013, 49, 6668.	2.2	87
74	Nanostructured Graphene/TiO₂ Hybrids as Highâ€Performance Anodes for Microbial Fuel Cells. Chemistry - A European Journal, 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. Biosensors and Bioelectronics, 2015, 64, 449-455.	5.3	87
76	Electrode Materials Engineering in Electrocatalytic CO₂ Reduction: Energy Input and Conversion Efficiency. Advanced Materials, 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. Journal of Materials Chemistry, 2011, 21, 2344-2350.	6.7	85
78	Bipyridineâ€Assisted Assembly of Au Nanoparticles on Cu Nanowires To Enhance the Electrochemical Reduction of CO₂. Angewandte Chemie - International Edition, 2019, 58, 14100-14103.	7.2	85
79	Ultrasensitive photoelectrochemical immunoassay for CA19-9 detection based on CdSe@ZnS quantum dots sensitized TiO 2 NWs/Au hybrid structure amplified by quenching effect of Ab 2 @V 2+ conjugates. Biosensors and Bioelectronics, 2016, 77, 339-346.	5.3	84
80	Dynamically imaging collision electrochemistry of single electrochemiluminescence nano-emitters. Chemical Science, 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. Scientific Reports, 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. ACS Applied Materials & Interfaces, 2016, 8, 7674-7682.	4.0	82
83	Sonoelectrochemical fabrication of PDDA-RGO-PdPt nanocomposites as electrocatalyst for DAFCs. Journal of Materials Chemistry, 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. ACS Applied Materials & Interfaces, 2019, 11, 18995-19005.	4.0	80
85	Endogenous mRNA Triggered DNAâ€Au Nanomachine for In Situ Imaging and Targeted Multimodal Synergistic Cancer Therapy. Angewandte Chemie - International Edition, 2021, 60, 5948-5958.	7.2	80
86	Electrochemiluminescent Sensing for Caspase-3 Activity Based on Ru(bpy)₃²⁺-Doped Silica Nanoprobe. Analytical Chemistry, 2016, 88, 1922-1929.	3.2	78
87	Ultrasonic-assisted synthesis of Pdâ€“Pt/carbon nanotubes nanocomposites for enhanced electro-oxidation of ethanol and methanol in alkaline medium. Ultrasonics Sonochemistry, 2016, 28, 192-198.	3.8	78
88	Toward the Early Evaluation of Therapeutic Effects: An Electrochemical Platform for Ultrasensitive Detection of Apoptotic Cells. Analytical Chemistry, 2011, 83, 7902-7909.	3.2	77
89	A Graphene/Poly(3,4â€ethylenedioxythiophene) Hybrid as an Anode for Highâ€Performance Microbial Fuel Cells. ChemPlusChem, 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. Chemical Science, 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. Biosensors and Bioelectronics, 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. Analytical Chemistry, 2014, 86, 3284-3290.	3.2	77
93	Electrochemiluminescence based on quantum dots and their analytical application. Analytical Methods, 2011, 3, 33-42.	1.3	76
94	Direct Electrochemiluminescence Imaging of a Single Cell on a Chitosan Film Modified Electrode. Analytical Chemistry, 2018, 90, 4801-4806.	3.2	73
95	Fluorescent Self-Healing Carbon Dot/Polymer Gels. ACS Nano, 2019, 13, 1433-1442.	7.3	73
96	Aptamer-Conjugated Au Nanocage/SiO₂ Coreâ€“Shell Bifunctional Nanoprobes with High Stability and Biocompatibility for Cellular SERS Imaging and Near-Infrared Photothermal Therapy. ACS Sensors, 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. ACS Applied Materials & Interfaces, 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. Nano Energy, 2018, 44, 95-102.	8.2	72
99	â€œThree-in-oneâ€•Nanohybrids as Synergistic Nanoquenchers to Enhance No-Wash Fluorescence Biosensors for Ratiometric Detection of Cancer Biomarkers. Theranostics, 2018, 8, 3461-3473.	4.6	72
100	Carbon-based dots for electrochemiluminescence sensing. Materials Chemistry Frontiers, 2020, 4, 369-385.	3.2	72
101	Photoelectrochemical DNA Biosensor Based on Dual-Signal Amplification Strategy Integrating Inorganicâ€“Organic Nanocomposites Sensitization with Î»-Exonuclease-Assisted Target Recycling. ACS Applied Materials & Interfaces, 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. ACS Applied Materials & Interfaces, 2015, 7, 696-703.	4.0	69
103	Bioapplications of DNA nanotechnology at the solidâ€“liquid interface. Chemical Society Reviews, 2019, 48, 4892-4920.	18.7	68
104	Plasmon Near-Field Coupling of Bimetallic Nanostars and a Hierarchical Bimetallic SERS â€œHot Fieldâ€• Toward Ultrasensitive Simultaneous Detection of Multiple Cardiorenal Syndrome Biomarkers. Analytical Chemistry, 2019, 91, 864-872.	3.2	67
105	An Improved Strategy for High-Quality Cesium Bismuth Bromine Perovskite Quantum Dots with Remarkable Electrochemiluminescence Activities. Analytical Chemistry, 2019, 91, 8607-8614.	3.2	66
106	The electrochemical applications of rare earth-based nanomaterials. Analyst, The, 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. Ultrasonics Sonochemistry, 2014, 21, 1174-1181.	3.8	64
108	Inkjet-printed porous polyaniline gel as an efficient anode for microbial fuel cells. Journal of Materials Chemistry A, 2016, 4, 14555-14559.	5.2	64

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109	Construction of drugâ€“drug conjugate supramolecular nanocarriers based on water-soluble pillar[6]arene for combination chemotherapy. Chemical Communications, 2018, 54, 9462-9465.	2.2	64
110	Imaging Local Heating and Thermal Diffusion of Nanomaterials with Plasmonic Thermal Microscopy. ACS Nano, 2015, 9, 11574-11581.	7.3	63
111	Ultrasensitive photoelectrochemical biosensor for the detection of HTLV-I DNA: A cascade signal amplification strategy integrating Î»-exonuclease aided target recycling with hybridization chain reaction and enzyme catalysis. Biosensors and Bioelectronics, 2018, 109, 190-196.	5.3	63
112	Resonance energy transfer in electrochemiluminescent and photoelectrochemical bioanalysis. TrAC - Trends in Analytical Chemistry, 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 in Vivo. ACS Applied Materials & Interfaces, 2015, 7, 18145-18155.	4.0	62
114	Rapid Microwave-Assisted Synthesis of Single-Crystalline Sb₂Te₃ Hexagonal Nanoplates. Crystal Growth and Design, 2008, 8, 4394-4397.	1.4	61
115	Microwaveâ€Assisted Inâ€…Situ Synthesis of Graphene/PEDOT Hybrid and Its Application in Supercapacitors. ChemPlusChem, 2013, 78, 227-234.	1.3	61
116	A novel electrochemically enhanced homogeneous PMS-heterogeneous CoFe2O4 synergistic catalysis for the efficient removal of levofloxacin. Journal of Hazardous Materials, 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. Talanta, 2014, 122, 135-139.	2.9	60
118	Design of an enzymatic biofuel cell with large power output. Journal of Materials Chemistry A, 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. ACS Sensors, 2020, 5, 3584-3590.	4.0	60
120	Enhanced photoelectrochemical aptasensing platform based on exciton energy transfer between CdSeTe alloyed quantum dots and SiO₂@Au nanocomposites. Chemical Communications, 2015, 51, 7023-7026.	2.2	59
121	Efficient Solid-State Electrochemiluminescence from High-Quality Perovskite Quantum Dot Films. Analytical Chemistry, 2017, 89, 8212-8216.	3.2	59
122	Oxygen Species on Nitrogen-Doped Carbon Nanosheets as Efficient Active Sites for Multiple Electrocatalysis. ACS Applied Materials & Interfaces, 2018, 10, 11678-11688.	4.0	58
123	Nanoarchitectured Electrochemical Cytosensors for Selective Detection of Leukemia Cells and Quantitative Evaluation of Death Receptor Expression on Cell Surfaces. Analytical Chemistry, 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. Biosensors and Bioelectronics, 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. Nano Energy, 2019, 63, 103875.	8.2	57
126	Stable and Monochromatic All-Inorganic Halide Perovskite Assisted by Hollow Carbon Nitride Nanosphere for Ratiometric Electrochemiluminescence Bioanalysis. Analytical Chemistry, 2020, 92, 4123-4130.	3.2	57

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127	Evaluation of intracellular telomerase activity through cascade DNA logic gates. Chemical Science, 2017, 8, 174-180.	3.7	56
128	Peptide-Based Photoelectrochemical Cytosensor Using a Hollow-TiO₂/EG/ZnIn₂S₄ Cosensitized Structure for Ultrasensitive Detection of Early Apoptotic Cells and Drug Evaluation. ACS Applied Materials & Interfaces, 2018, 10, 4429-4438.	4.0	56
129	Lighting Up MicroRNA in Living Cells by the Disassembly of Lockâ€Like DNAâ€Programmed UCNPsâ€AuNPs through the Target Cycling Amplification Strategy. Small, 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. Analytical Chemistry, 2019, 91, 12298-12306.	3.2	56
131	Synthesis of MnO2 nanoparticles from sonochemical reduction of MnO4â¯ in water under different pH conditions. Ultrasonics Sonochemistry, 2014, 21, 1629-1634.	3.8	55
132	Phthalocyanineâ€Sensitized Grapheneâ€“CdS Nanocomposites: An Enhanced Photoelectrochemical Immunosensing Platform. Chemistry - A European Journal, 2013, 19, 4496-4505.	1.7	53
133	â€œStealth and Fully-Ladenâ€•Drug Carriers: Self-Assembled Nanogels Encapsulated with Epigallocatechin Gallate and siRNA for Drug-Resistant Breast Cancer Therapy. ACS Applied Materials & Interfaces, 2018, 10, 9938-9948.	4.0	53
134	Ultrasensitive self-powered cytosensor. Nano Energy, 2016, 19, 541-549.	8.2	52
135	Potential-Resolved Electrochemiluminescence Nanoprobes for Visual Apoptosis Evaluation at Single-Cell Level. Analytical Chemistry, 2019, 91, 6363-6370.	3.2	52
136	Hierarchical Metalâ€“Organic Framework-Confined CsPbBr₃ Quantum Dots and Aminated Carbon Dots: A New Self-Sustaining Suprastructure for Electrochemiluminescence Bioanalysis. Analytical Chemistry, 2021, 93, 1818-1825.	3.2	51
137	Synthesis of polyaniline/MCM-41 composite through surface polymerization of aniline. Journal of Applied Polymer Science, 2006, 101, 2088-2094.	1.3	50
138	Multiplex acute leukemia cytosensing using multifunctional hybrid electrochemical nanoprobes at a hierarchically nanoarchitectured electrode interface. Nanoscale, 2013, 5, 10360.	2.8	50
139	A facile one-pot synthesis of colloidal stable, monodisperse, highly PEGylated CuS@mSiO₂ nanocomposites for the combination of photothermal therapy and chemotherapy. Chemical Communications, 2015, 51, 9447-9450.	2.2	50
140	Hyaluronidase-triggered anticancer drug and siRNA delivery from cascaded targeting nanoparticles for drug-resistant breast cancer therapy. Nano Research, 2017, 10, 690-703.	5.8	50
141	A label-free aptasensor for ultrasensitive Pb2+ detection based on electrochemiluminescence resonance energy transfer between carbon nitride nanofibers and Ru(phen)32+. Journal of Hazardous Materials, 2018, 359, 121-128.	6.5	50
142	Sustainable and Selfâ€Enhanced Electrochemiluminescent Ternary Suprastructures Derived from CsPbBr₃ Perovskite Quantum Dots. Advanced Functional Materials, 2019, 29, 1902533.	7.8	50
143	NaCl Crystal Tuning Nitrogen Self-Doped Porous Graphitic Carbon Nanosheets for Efficient Oxygen Reduction. ACS Sustainable Chemistry and Engineering, 2017, 5, 10275-10282.	3.2	49
144	Selective Synthesis and Luminescence Properties of Self-Assembled SrMoO₄ Superstructures via a Facile Sonochemical Route. Journal of Physical Chemistry C, 2010, 114, 1982-1988.	1.5	48

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145	Low Overpotential for Electrochemically Reducing CO₂ to CO on Nitrogen-Doped Graphene Quantum Dots-Wrapped Single-Crystalline Gold Nanoparticles. ACS Energy Letters, 2018, 3, 946-951.	8.8	48
146	Outer-Frame-Degradable Nanovehicles Featuring Near-Infrared Dual Luminescence for in Vivo Tracking of Protein Delivery in Cancer Therapy. ACS Nano, 2019, 13, 12577-12590.	7.3	48
147	Microwave-assisted synthesis of nitrogen and boron co-doped graphene and its application for enhanced electrochemical detection of hydrogen peroxide. RSC Advances, 2013, 3, 22597.	1.7	47
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