

Heyou Han

List of Publications by Year in descending order

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221
papers

11,885
citations

25034

57
h-index

37204

96
g-index

225
all docs

225
docs citations

225
times ranked

15048
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene oxide exhibits broad-spectrum antimicrobial activity against bacterial phytopathogens and fungal conidia by intertwining and membrane perturbation. <i>Nanoscale</i> , 2014, 6, 1879-1889.	5.6	504
2	Facile synthesis of fluorescent carbon dots using watermelon peel as a carbon source. <i>Materials Letters</i> , 2012, 66, 222-224.	2.6	471
3	Antiviral Activity of Graphene Oxide: How Sharp Edged Structure and Charge Matter. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21571-21579.	8.0	292
4	Nano-magnetic catalyst KF/CaO@Fe ₃ O ₄ for biodiesel production. <i>Applied Energy</i> , 2011, 88, 2685-2690.	10.1	270
5	Preparation of KF/CaO nanocatalyst and its application in biodiesel production from Chinese tallow seed oil. <i>Fuel</i> , 2010, 89, 2267-2271.	6.4	244
6	Antibacterial Activity of Graphene Oxide/g-C ₃ N ₄ Composite through Photocatalytic Disinfection under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8693-8701.	6.7	224
7	Gecko-Inspired Nanotentacle Surface-Enhanced Raman Spectroscopy Substrate for Sampling and Reliable Detection of Pesticide Residues in Fruits and Vegetables. <i>Analytical Chemistry</i> , 2017, 89, 2424-2431.	6.5	216
8	Cauliflower-Inspired 3D SERS Substrate for Multiple Mycotoxins Detection. <i>Analytical Chemistry</i> , 2019, 91, 3885-3892.	6.5	200
9	Probing the Interaction of Magnetic Iron Oxide Nanoparticles with Bovine Serum Albumin by Spectroscopic Techniques. <i>Journal of Physical Chemistry B</i> , 2009, 113, 10454-10458.	2.6	197
10	Multi-walled carbon nanotubes can enhance root elongation of wheat (<i>Triticum aestivum</i>) plants. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	175
11	Multisite Inhibitors for Enteric Coronavirus: Antiviral Cationic Carbon Dots Based on Curcumin. <i>ACS Applied Nano Materials</i> , 2018, 1, 5451-5459.	5.0	165
12	Facile synthesis of melamine-based porous polymer networks and their application for removal of aqueous mercury ions. <i>Polymer</i> , 2010, 51, 6193-6202.	3.8	159
13	Utilization of waste freshwater mussel shell as an economic catalyst for biodiesel production. <i>Biomass and Bioenergy</i> , 2011, 35, 3627-3635.	5.7	155
14	Synthesis of nitrogen-doped porous graphitic carbons using nano-CaCO ₃ as template, graphitization catalyst, and activating agent. <i>Carbon</i> , 2012, 50, 3753-3765.	10.3	151
15	Evaluation and mechanism of antifungal effects of carbon nanomaterials in controlling plant fungal pathogen. <i>Carbon</i> , 2014, 68, 798-806.	10.3	141
16	Glutathione-Capped Ag ₂ S Nanoclusters Inhibit Coronavirus Proliferation through Blockage of Viral RNA Synthesis and Budding. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4369-4378.	8.0	141
17	From Electrochemistry to Electroluminescence: Development and Application in a Ratiometric Aptasensor for Aflatoxin B1. <i>Analytical Chemistry</i> , 2017, 89, 7578-7585.	6.5	139
18	pH-Responsive, Light-Triggered on-Demand Antibiotic Release from Functional Metal-Organic Framework for Bacterial Infection Combination Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1800011.	14.9	137

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19	Quantum Dot-Based Near-Infrared Electrochemiluminescent Immunosensor with Gold Nanoparticle-Graphene Nanosheet Hybrids and Silica Nanospheres Double-Assisted Signal Amplification. <i>Analytical Chemistry</i> , 2012, 84, 4893-4899.	6.5	129
20	Ultrasensitive detection of aflatoxin B 1 by SERS aptasensor based on exonuclease-assisted recycling amplification. <i>Biosensors and Bioelectronics</i> , 2017, 97, 59-64.	10.1	128
21	Graphene Oxide-Silver Nanocomposite: Novel Agricultural Antifungal Agent against <i>Fusarium graminearum</i> for Crop Disease Prevention. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24057-24070.	8.0	126
22	Acidity-Triggered Tumor-Targeted Chimeric Peptide for Enhanced Intra-Nuclear Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2016, 26, 4351-4361.	14.9	122
23	Carbon dots as inhibitors of virus by activation of type I interferon response. <i>Carbon</i> , 2016, 110, 278-285.	10.3	121
24	A new function of graphene oxide emerges: inactivating phytopathogenic bacterium <i>Xanthomonas oryzae</i> pv. <i>Oryzae</i> . <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	120
25	Aqueous synthesis of porous platinum nanotubes at room temperature and their intrinsic peroxidase-like activity. <i>Chemical Communications</i> , 2013, 49, 6024.	4.1	114
26	Virus Capture and Destruction by Label-Free Graphene Oxide for Detection and Disinfection Applications. <i>Small</i> , 2015, 11, 1171-1176.	10.0	113
27	Biocompatible and Highly Luminescent Near-Infrared Cu ₂ S/ZnS Quantum Dots Embedded Silica Beads for Cancer Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2011-2017.	8.0	109
28	Tumor-Triggered Geometrical Shape Switch of Chimeric Peptide for Enhanced <i>in Vivo</i> Tumor Internalization and Photodynamic Therapy. <i>ACS Nano</i> , 2017, 11, 3178-3188.	14.6	109
29	Carbon-Dot and Quantum-Dot-Coated Dual-Emission Core-Satellite Silica Nanoparticles for Ratiometric Intracellular Cu ²⁺ Imaging. <i>Analytical Chemistry</i> , 2016, 88, 7395-7403.	6.5	108
30	Endogenous stimulus-powered antibiotic release from nanoreactors for a combination therapy of bacterial infections. <i>Nature Communications</i> , 2019, 10, 4464.	12.8	108
31	A novel method for the determination of Pb ²⁺ based on the quenching of the fluorescence of CdTe quantum dots. <i>Mikrochimica Acta</i> , 2008, 161, 81-86.	5.0	107
32	Study on the interaction between bovine serum albumin and CdTe quantum dots with spectroscopic techniques. <i>Journal of Molecular Structure</i> , 2008, 892, 116-120.	3.6	107
33	Synergistic antibacterial effects of curcumin modified silver nanoparticles through ROS-mediated pathways. <i>Materials Science and Engineering C</i> , 2019, 99, 255-263.	7.3	107
34	Hierarchical Nanogaps within Bioscaffold Arrays as a High-Performance SERS Substrate for Animal Virus Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6281-6289.	8.0	105
35	Target-triggered signal-on ratiometric electrochemiluminescence sensing of PSA based on MOF/Au/G-quadruplex. <i>Biosensors and Bioelectronics</i> , 2018, 118, 160-166.	10.1	103
36	Atomic Vacancies Control of Pd-Based Catalysts for Enhanced Electrochemical Performance. <i>Advanced Materials</i> , 2018, 30, 1704171.	21.0	102

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37	A fast and sensitive immunoassay of avian influenza virus based on label-free quantum dot probe and lateral flow test strip. <i>Talanta</i> , 2012, 100, 1-6.	5.5	101
38	Evaluation of antibacterial effects of carbon nanomaterials against copper-resistant <i>Ralstonia solanacearum</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 136-142.	5.0	101
39	Metal-organic frameworks-based sensitive electrochemiluminescence biosensing. <i>Biosensors and Bioelectronics</i> , 2020, 164, 112332.	10.1	99
40	Antiviral Activity of Graphene Oxide@Silver Nanocomposites by Preventing Viral Entry and Activation of the Antiviral Innate Immune Response. <i>ACS Applied Bio Materials</i> , 2018, 1, 1286-1293.	4.6	94
41	Interaction between fluorescein isothiocyanate and carbon dots: Inner filter effect and fluorescence resonance energy transfer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 311-316.	3.9	87
42	Microbial synthesis of highly dispersed PdAu alloy for enhanced electrocatalysis. <i>Science Advances</i> , 2016, 2, e1600858.	10.3	85
43	Aqueous one-pot synthesis of bright and ultrasmall CdTe/CdS near-infrared-emitting quantum dots and their application for tumor targeting in vivo. <i>Chemical Communications</i> , 2012, 48, 4971.	4.1	84
44	Electrochemiluminescence nanogears aptasensor based on MIL-53(Fe)@CdS for multiplexed detection of kanamycin and neomycin. <i>Biosensors and Bioelectronics</i> , 2019, 129, 100-106.	10.1	83
45	Electrogenerated chemiluminescence from thiol-capped CdTe quantum dots and its sensing application in aqueous solution. <i>Analytica Chimica Acta</i> , 2007, 596, 73-78.	5.4	81
46	Size-dependent electrochemiluminescence behavior of water-soluble CdTe quantum dots and selective sensing of l-cysteine. <i>Talanta</i> , 2009, 77, 1654-1659.	5.5	75
47	Application of Multiplexed Aptasensors in Food Contaminants Detection. <i>ACS Sensors</i> , 2020, 5, 3721-3738.	7.8	75
48	Design of Gold Hollow Nanorods with Controllable Aspect Ratio for Multimodal Imaging and Combined Chemo-Photothermal Therapy in the Second Near-Infrared Window. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36703-36710.	8.0	74
49	Targeted Near-Infrared Fluorescent Turn-on Nanoprobe for Activatable Imaging and Effective Phototherapy of Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15013-15023.	8.0	69
50	Surface-imprinted SiO ₂ @Ag nanoparticles for the selective detection of BPA using surface enhanced Raman scattering. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 566-573.	7.8	69
51	Quantum dots-based fluoroimmunoassay for the rapid and sensitive detection of avian influenza virus subtype H5N1. <i>Luminescence</i> , 2010, 25, 419-423.	2.9	68
52	Bioapplications of DNA nanotechnology at the solid-liquid interface. <i>Chemical Society Reviews</i> , 2019, 48, 4892-4920.	38.1	68
53	One-step growth of high luminescence CdTe quantum dots with low cytotoxicity in ambient atmospheric conditions. <i>Dalton Transactions</i> , 2010, 39, 7017.	3.3	67
54	Signal-Amplified Near-Infrared Ratiometric Electrochemiluminescence Aptasensor Based on Multiple Quenching and Enhancement Effect of Graphene/Gold Nanorods/G-Quadruplex. <i>Analytical Chemistry</i> , 2016, 88, 8179-8187.	6.5	67

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55	Precisely Striking Tumors without Adjacent Normal Tissue Damage via Mitochondria-Templated Accumulation. <i>ACS Nano</i> , 2018, 12, 6252-6262.	14.6	65
56	Mitochondria-Targeted Chimeric Peptide for Trinitarian Overcoming of Drug Resistance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25060-25068.	8.0	61
57	Sensitive detection of melamine by an electrochemiluminescence sensor based on tris(bipyridine)ruthenium(II)-functionalized metal-organic frameworks. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 378-386.	7.8	60
58	A novel method for the preparation of water-soluble and small-size CdSe quantum dots. <i>Materials Letters</i> , 2006, 60, 3782-3785.	2.6	59
59	Hydrothermal synthesis of high-quality type-II CdTe/CdSe quantum dots with near-infrared fluorescence. <i>Journal of Colloid and Interface Science</i> , 2010, 351, 83-87.	9.4	58
60	Nitrogen-Doped Carbon Quantum Dots for Preventing Biofilm Formation and Eradicating Drug-Resistant Bacteria Infection. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4739-4749.	5.2	58
61	Photothermally triggered nitric oxide nanogenerator targeting type IV pili for precise therapy of bacterial infections. <i>Biomaterials</i> , 2021, 268, 120588.	11.4	57
62	Miniature Hollow Gold Nanorods with Enhanced Effect for In Vivo Photoacoustic Imaging in the NIR Window. <i>Small</i> , 2020, 16, e2002748.	10.0	56
63	Programmable DNA Tweezer-Actuated SERS Probe for the Sensitive Detection of AFB ₁ . <i>Analytical Chemistry</i> , 2020, 92, 4900-4907.	6.5	56
64	Enhanced electrochemiluminescence of CdTe quantum dots with carbon nanotube film and its sensing of methimazole. <i>Electrochimica Acta</i> , 2009, 54, 1389-1394.	5.2	55
65	One Stone with Two Birds: Functional Gold Nanostar for Targeted Combination Therapy of Drug-Resistant <i>Staphylococcus aureus</i> Infection. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32659-32669.	8.0	54
66	Electrogenerated chemiluminescence of blue emitting ZnSe quantum dots and its biosensing for hydrogen peroxide. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1843-1846.	10.1	53
67	Synthesis of functionalized 3D porous graphene using both ionic liquid and SiO ₂ spheres as spacers for high-performance application in supercapacitors. <i>Nanoscale</i> , 2015, 7, 659-669.	5.6	53
68	Ultrasensitive SERS detection of <i>Bacillus thuringiensis</i> special gene based on Au@Ag NRs and magnetic beads. <i>Biosensors and Bioelectronics</i> , 2017, 92, 321-327.	10.1	53
69	Study on DNA damage induced by CdSe quantum dots using nucleic acid molecular light switches as probe. <i>Talanta</i> , 2007, 71, 1675-1678.	5.5	52
70	Enzymatic biosensor of horseradish peroxidase immobilized on Au-Pt nanotube/Au-graphene for the simultaneous determination of antioxidants. <i>Analytica Chimica Acta</i> , 2016, 933, 89-96.	5.4	52
71	Functional peptide-based nanoparticles for photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 25-38.	5.8	52
72	A novel strategy for selective detection of Ag ⁺ based on the red-shift of emission wavelength of quantum dots. <i>Mikrochimica Acta</i> , 2009, 167, 281-287.	5.0	51

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73	Enzyme induced molecularly imprinted polymer on SERS substrate for ultrasensitive detection of patulin. <i>Analytica Chimica Acta</i> , 2020, 1101, 111-119.	5.4	51
74	Electrochemiluminescence aptasensor for multiple determination of Hg ²⁺ and Pb ²⁺ ions by using the MIL-53(Al)@CdTe-PEI modified electrode. <i>Analytica Chimica Acta</i> , 2020, 1100, 232-239.	5.4	51
75	Preparation of Mesoporous Nanosized KF/CaO@MgO Catalyst and its Application for Biodiesel Production by Transesterification. <i>Catalysis Letters</i> , 2009, 131, 574-578.	2.6	50
76	Eggshell-Inspired Biomineralization Generates Vaccines that Do Not Require Refrigeration. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10576-10579.	13.8	50
77	Clean Synthesis of an Economical 3D Nanochain Network of PdCu Alloy with Enhanced Electrocatalytic Performance towards Ethanol Oxidation. <i>Chemistry - A European Journal</i> , 2015, 21, 17779-17785.	3.3	50
78	Platinum Dendritic-Flowers Prepared by Tellurium Nanowires Exhibit High Electrocatalytic Activity for Glycerol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17725-17730.	8.0	50
79	Quantum dots decorated gold nanorod as fluorescent-plasmonic dual-modal contrasts agent for cancer imaging. <i>Biosensors and Bioelectronics</i> , 2015, 74, 16-23.	10.1	50
80	Stretch-Storage-Growth Strategy to Fabricate Tunable Triply-Amplified Electrochemiluminescence Immunosensor for Ultrasensitive Detection of Pseudorabies Virus Antibody. <i>Analytical Chemistry</i> , 2014, 86, 5749-5757.	6.5	49
81	Turn-on near-infrared electrochemiluminescence sensing of thrombin based on resonance energy transfer between CdTe/CdS core small /shell thick quantum dots and gold nanorods. <i>Biosensors and Bioelectronics</i> , 2016, 82, 26-31.	10.1	49
82	Novel impacts of functionalized multi-walled carbon nanotubes in plants: promotion of nodulation and nitrogenase activity in the rhizobium-legume system. <i>Nanoscale</i> , 2017, 9, 9921-9937.	5.6	49
83	A practicable detection system for genetically modified rice by SERS-barcode nanosensors. <i>Biosensors and Bioelectronics</i> , 2012, 34, 118-124.	10.1	48
84	Regulating the oxidation degree of nickel foam: a smart strategy to controllably synthesize active Ni ₃ S ₂ nanorod/nanowire arrays for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8029-8040.	10.3	48
85	Pt nanozyme for O ₂ self-sufficient, tumor-specific oxidative damage and drug resistance reversal. <i>Nanoscale Horizons</i> , 2019, 4, 1124-1131.	8.0	48
86	Precise Chemodynamic Therapy of Cancer by Trifunctional Bacterium-Based Nanozymes. <i>ACS Nano</i> , 2021, 15, 19321-19333.	14.6	47
87	Vaccine Engineering with Dual-Functional Mineral Shell: A Promising Strategy to Overcome Preexisting Immunity. <i>Advanced Materials</i> , 2016, 28, 694-700.	21.0	46
88	Highly sensitive enzyme-free immunosorbent assay for porcine circovirus type 2 antibody using Au-Pt/SiO ₂ nanocomposites as labels. <i>Biosensors and Bioelectronics</i> , 2016, 82, 177-184.	10.1	45
89	Tumor-triggered transformation of chimeric peptide for dual-stage-amplified magnetic resonance imaging and precise photodynamic therapy. <i>Biomaterials</i> , 2018, 182, 269-278.	11.4	45
90	Au Hollow Nanorods-Chimeric Peptide Nanocarrier for NIR-II Photothermal Therapy and Real-time Apoptosis Imaging for Tumor Theranostics. <i>Theranostics</i> , 2019, 9, 4971-4981.	10.0	44

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91	Gastric Acid Powered Nanomotors Release Antibiotics for In Vivo Treatment of <i>Helicobacter pylori</i> Infection. <i>Small</i> , 2021, 17, e2006877.	10.0	44
92	In Situ Nanozyme-Amplified NIR-II Phototheranostics for Tumor-Specific Imaging and Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2103765.	14.9	44
93	Novel Porphyrin Zr Metal-Organic Framework (PCN-224)-Based Ultrastable Electrochemiluminescence System for PEDV Sensing. <i>Analytical Chemistry</i> , 2021, 93, 2090-2096.	6.5	43
94	Kanamycin Adsorption on Gold Nanoparticles Dominates Its Label-Free Colorimetric Sensing with Its Aptamer. <i>Langmuir</i> , 2020, 36, 11490-11498.	3.5	42
95	A novel method for methimazole determination using CdSe quantum dots as fluorescence probes. <i>Mikrochimica Acta</i> , 2009, 165, 195-201.	5.0	41
96	Ultrasmall Peptide-Coated Platinum Nanoparticles for Precise NIR-II Photothermal Therapy by Mitochondrial Targeting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39434-39443.	8.0	40
97	Excellent electrochemical performance of nitrogen-enriched hierarchical porous carbon electrodes prepared using nano-CaCO ₃ as template. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2651-2660.	2.5	38
98	pH-Responsive Nanoscale Coordination Polymer for Efficient Drug Delivery and Real-Time Release Monitoring. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700470.	7.6	36
99	Chemiluminescence Determination of Tetracyclines Using a Tris(2,2'-bipyridine)ruthenium(II) and Potassium Permanganate System. <i>Analytical Sciences</i> , 1999, 15, 467-470.	1.6	34
100	Direct electrochemiluminescence of CdTe quantum dots based on room temperature ionic liquid film and high sensitivity sensing of gossypol. <i>Electrochimica Acta</i> , 2010, 55, 1265-1271.	5.2	34
101	Cathodic electrochemiluminescence from self-designed near-infrared-emitting CdTe/CdS/ZnS quantum dots on bare Au electrode. <i>Electrochemistry Communications</i> , 2011, 13, 359-362.	4.7	34
102	Gas-liquid countercurrent integration process for continuous biodiesel production using a microporous solid base KF/CaO as catalyst. <i>Bioresource Technology</i> , 2012, 123, 413-418.	9.6	34
103	Ru(bpy) ₃ ²⁺ -Silica@Poly-L-lysine-Au as labels for electrochemiluminescence lysozyme aptasensor based on 3D graphene. <i>Biosensors and Bioelectronics</i> , 2018, 106, 50-56.	10.1	34
104	Study on the interaction between CdSe quantum dots and hemoglobin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 830-834.	3.9	33
105	Target triggered self-assembly of Au nanoparticles for amplified detection of <i>Bacillus thuringiensis</i> transgenic sequence using SERS. <i>Biosensors and Bioelectronics</i> , 2014, 62, 196-200.	10.1	33
106	Ultrasensitive electrochemical detection of <i>Bacillus thuringiensis</i> transgenic sequence based on in situ Ag nanoparticles aggregates induced by biotin-streptavidin system. <i>Biosensors and Bioelectronics</i> , 2011, 28, 464-468.	10.1	32
107	Versatile Electrochemiluminescence Assays for PEDV Antibody Based on Rolling Circle Amplification and Ru-DNA Nanotags. <i>Analytical Chemistry</i> , 2018, 90, 7415-7421.	6.5	32
108	Pomegranate-Inspired Silica Nanotags Enable Sensitive Dual-Modal Detection of Rabies Virus Nucleoprotein. <i>Analytical Chemistry</i> , 2020, 92, 8802-8809.	6.5	32

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109	Dual-Mode Immunosensor for Electrochemiluminescence Resonance Energy Transfer and Electrochemical Detection of Rabies Virus Glycoprotein Based on Ru(bpy) ₃ ²⁺ -Loaded Dendritic Mesoporous Silica Nanoparticles. <i>Analytical Chemistry</i> , 2022, 94, 7655-7664.	6.5	32
110	Solid-state voltammetry-based electrochemical immunosensor for Escherichia coli using graphene oxide@Ag nanoparticle composites as labels. <i>Analyst</i> , The, 2013, 138, 3388.	3.5	31
111	A brilliant sandwich type fluorescent nanostructure incorporating a compact quantum dot layer and versatile silica substrates. <i>Chemical Communications</i> , 2014, 50, 2896.	4.1	31
112	Controlled Synthesis of Au-Island-Covered Pd Nanotubes with Abundant Heterojunction Interfaces for Enhanced Electrooxidation of Alcohol. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12792-12797.	8.0	30
113	Intracellular Ca ²⁺ Cascade Guided by NIR-II Photothermal Switch for Specific Tumor Therapy. <i>IScience</i> , 2020, 23, 101049.	4.1	30
114	Gold(III) enhanced chemiluminescence immunoassay for detection of antibody against ApxIV of <i>Actinobacillus pleuropneumoniae</i> . <i>Analyst</i> , The, 2008, 133, 768.	3.5	29
115	One-step synthesis of water-soluble ZnSe quantum dots via microwave irradiation. <i>Materials Letters</i> , 2010, 64, 1099-1101.	2.6	29
116	An ultrasensitive method for the detection of gene fragment from transgenics using label-free gold nanoparticle probe and dynamic light scattering. <i>Analytica Chimica Acta</i> , 2011, 696, 1-5.	5.4	29
117	Spiny-porous platinum nanotubes with enhanced electrocatalytic activity for methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1388-1391.	10.3	29
118	Fabrication of Bis-Quaternary Ammonium Salt as an Efficient Bactericidal Weapon Against <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>ACS Omega</i> , 2018, 3, 14517-14525.	3.5	29
119	A sensitive label-free FRET probe for glutathione based on CdSe/ZnS quantum dots and MnO ₂ nanosheets. <i>Analytical Methods</i> , 2018, 10, 4170-4177.	2.7	29
120	Disruption of dual homeostasis by a metal-organic framework nanoreactor for ferroptosis-based immunotherapy of tumor. <i>Biomaterials</i> , 2022, 284, 121502.	11.4	29
121	Ammonia Mediated One-Step Synthesis of Three-Dimensional Porous Pt ₁₀₀ Cu ₁₀₀ Nanochain Networks with Enhanced Electrocatalytic Activity toward Polyhydric Alcohol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11086-11095.	6.7	28
122	Synthesis of biodiesel from rapeseed oil using K ₂ O/Al ₂ O ₃ as nano-solid-base catalyst. <i>Wuhan University Journal of Natural Sciences</i> , 2009, 14, 75-79.	0.4	27
123	Recent advances in the use of near-infrared quantum dots as optical probes for bioanalytical, imaging and solar cell application. <i>Mikrochimica Acta</i> , 2014, 181, 1485-1495.	5.0	27
124	Acidity-Triggered Tumor Retention/Internalization of Chimeric Peptide for Enhanced Photodynamic Therapy and Real-Time Monitoring of Therapeutic Effects. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16043-16053.	8.0	27
125	Aptamer and RVG functionalized gold nanorods for targeted photothermal therapy of neurotropic virus infection in the mouse brain. <i>Chemical Engineering Journal</i> , 2021, 411, 128557.	12.7	27
126	NIR-activated multi-hit therapeutic Ag ₂ S quantum dot-based hydrogel for healing of bacteria-infected wounds. <i>Acta Biomaterialia</i> , 2022, 145, 88-105.	8.3	27

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127	Activation of TRPV1 by capsaicin-loaded CaCO ₃ nanoparticle for tumor-specific therapy. <i>Biomaterials</i> , 2022, 284, 121520.	11.4	27
128	Microwave-assisted synthesis of high-quality CdTe/CdS@ZnS@SiO ₂ near-infrared-emitting quantum dots and their applications in Hg ²⁺ sensing and imaging. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 74-82.	7.8	26
129	Electrochemical determination of thiols at single-wall carbon nanotubes and PQQ modified electrodes. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 931.	3.0	26
130	Synthesis of p-aminothiophenol-embedded gold/silver core-shell nanostructures as novel SERS tags for biosensing applications. <i>Mikrochimica Acta</i> , 2011, 173, 149-156.	5.0	25
131	Study on the interaction between histidine-capped Au nanoclusters and bovine serum albumin with spectroscopic techniques. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 897-902.	3.9	25
132	Probing the interactions of CdTe quantum dots with pseudorabies virus. <i>Scientific Reports</i> , 2015, 5, 16403.	3.3	25
133	A direct chemiluminescence method for the determination of nucleic acids using Ru(phen) ₃ ²⁺ -Ce(IV) system. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 364, 782-785.	1.5	24
134	Chemiluminescence Method for the Determination of Glutathione in Human Serum Using the Ru(phen) ₃ ²⁺ - KMnO ₄ System. <i>Mikrochimica Acta</i> , 2006, 155, 431-434.	5.0	24
135	Determination of cypromazine and its metabolite melamine in milk by cation-selective exhaustive injection and sweeping capillary micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , 2011, 34, 323-330.	2.5	24
136	Reasonably retard O ₂ consumption through a photoactivity conversion nanocomposite for oxygenated photodynamic therapy. <i>Biomaterials</i> , 2019, 218, 119312.	11.4	24
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