

Yuan-Di Zhao

List of Publications by Year in Descending Order

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

162
papers

4,955
citations

38
h-index

64
g-index

166
ext. papers

5,652
ext. citations

7.2
avg, IF

5.65
L-index

#	Paper	IF	Citations
162	Light-controlled spiky micromotors for efficient capture and transport of targets. <i>Sensors and Actuators B: Chemical</i> , 2022 , 358, 131523	8.5	0
161	Light-controlled microbots gathering as a sterilization platform for highly efficient capturing, concentrating and killing targeted bacteria. <i>Chemical Engineering Journal</i> , 2022 , 435, 135067	14.7	0
160	A metal ion-drug-induced self-assembly nanosystems for augmented chemodynamic and chemotherapy synergetic anticancer therapy. <i>Carbon</i> , 2022 , 188, 104-113	10.4	3
159	Detection of multiple mycotoxins based on catalytic hairpin assembly coupled with pregnancy test strip. <i>Sensors and Actuators B: Chemical</i> , 2022 , 350, 130911	8.5	1
158	Investigation of the bioactivity and fluorescence imaging of multicellular tumor spheroid targeted labelling with CdSe/ZnS quantum dots. <i>Journal of Nanoparticle Research</i> , 2022 , 24, 1	2.3	
157	Extension of duplex specific nuclease sensing application with RNA aptamer.. <i>Talanta</i> , 2022 , 242, 123314	6.2	0
156	Multifunctional nanocarrier with self-catalytic production of nitric oxide for photothermal and gas-combined therapy of tumor.. <i>Journal of Colloid and Interface Science</i> , 2022 , 621, 77-90	9.3	1
155	Directional and on-demand ion transport regulated by pH and voltage in submicrochannel heteromembrane based on conducting polymer. <i>Chemical Engineering Journal</i> , 2022 , 444, 136548	14.7	0
154	A self-assembled nanoplatform based on AgS quantum dots and tellurium nanorods for combined chemo-photothermal therapy guided by HO-activated near-infrared-II fluorescence imaging.. <i>Acta Biomaterialia</i> , 2021 , 140, 547-547	10.8	1
153	Tumor Microenvironment-Activated Theranostics Nanozymes for Fluorescence Imaging and Enhanced Chemo-Chemodynamic Therapy of Tumors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 55780-55789	9.5	10
152	Advancing interfacial properties of carbon cloth via anodic-induced self-assembly of MOFs film integrated with EMnO: A sustainable electrocatalyst sensing acetylcholine.. <i>Journal of Hazardous Materials</i> , 2021 , 426, 128133	12.8	3
151	A nanoplatform of hollow Ag ₂ S/Ag nanocomposite shell for photothermal and enhanced sonodynamic therapy mediated by photoacoustic and CT imaging. <i>Chemical Engineering Journal</i> , 2021 , 433, 133196	14.7	0
150	Nanoplatform based on ultra-small Au regulating phototoxicity and fluorescence off-on function of Ag ₂ S for multi-modal diagnosis and treatment of tumor. <i>Chemical Engineering Journal</i> , 2021 , 133212	14.7	0
149	Fluorescence Characteristics of CdTe Quantum Dot Colloids below the Freezing Point. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 9916-9922	3.8	2
148	Lateral flow biosensor for universal detection of various targets based on hybridization chain reaction amplification strategy with pregnancy test strip. <i>Sensors and Actuators B: Chemical</i> , 2021 , 337, 129778	8.5	0
147	In situ synthesis of multifunctional tellurium nanorods stabilized by polypeptide-engineered for photothermal-sonodynamic combination therapy of tumors. <i>Chemical Engineering Journal</i> , 2021 , 417, 127989	14.7	3
146	Quantitative analysis of various targets based on aptamer and functionalized FeO@graphene oxide in dairy products using pregnancy test strip and smartphone. <i>Food Chemistry</i> , 2021 , 352, 129330	8.5	1

145	Recent advances in ionic current rectification based nanopore sensing: a mini-review. <i>Sensors and Actuators Reports</i> , 2021 , 3, 100042	4.7	3
144	Labeling of liver cells with CdSe/ZnS quantum dot-based fluorescence probe below freezing point. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 263, 120203	4.4	2
143	Controllable ion transport induced by pH gradient in a thermally crosslinked submicrochannel heterogeneous membrane. <i>Analyst, The</i> , 2021 , 146, 6815-6821	5	2
142	A pH/ultrasonic dual-response step-targeting enterosoluble granule for combined sonodynamic-chemotherapy guided gastrointestinal tract imaging in orthotopic colorectal cancer. <i>Nanoscale</i> , 2021 , 13, 4278-4294	7.7	7
141	A smartphone-based rapid quantitative detection platform for lateral flow strip of human chorionic gonadotropin with optimized image algorithm. <i>Microchemical Journal</i> , 2020 , 157, 105038	4.8	14
140	Antitumor immunity triggered by photothermal therapy and photodynamic therapy of a 2D MoS nanosheet-incorporated injectable polypeptide-engineered hydrogel combined with chemotherapy for 4T1 breast tumor therapy. <i>Nanotechnology</i> , 2020 , 31, 205102	3.4	21
139	Development of dual strip biosensors based on hybridization chain reaction and microplate strategies for signal amplification of HBV-DNA detection. <i>Sensors and Actuators B: Chemical</i> , 2020 , 310, 127829	8.5	12
138	Ion current rectification in combination with ion current saturation. <i>Analytica Chimica Acta</i> , 2020 , 1117, 35-40	6.6	2
137	Ultrasensitive and regenerable nanopore sensing based on target induced aptamer dissociation. <i>Biosensors and Bioelectronics</i> , 2020 , 152, 112011	11.8	5
136	ROS-augmented and tumor-microenvironment responsive biodegradable nanoplatform for enhancing chemo-sonodynamic therapy. <i>Biomaterials</i> , 2020 , 234, 119761	15.6	83
135	Red blood cell membrane-enveloped O self-supplementing biomimetic nanoparticles for tumor imaging-guided enhanced sonodynamic therapy. <i>Theranostics</i> , 2020 , 10, 867-879	12.1	62
134	A pH/Ultrasound dual-response biomimetic nanoplatform for nitric oxide gas-sonodynamic combined therapy and repeated ultrasound for relieving hypoxia. <i>Biomaterials</i> , 2020 , 230, 119636	15.6	90
133	Injectable polypeptide-engineered hydrogel depot for amplifying the anti-tumor immune effect induced by chemo-photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 8623-8633	7.3	12
132	An synthesis of silver nanoparticle-loaded genetically engineered polypeptide nanogels for antibacterial and wound healing applications. <i>Dalton Transactions</i> , 2020 , 49, 12049-12055	4.3	3
131	One-for-All Nanoplatform for Synergistic Mild Cascade-Potentiated Ultrasound Therapy Induced with Targeting Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40052-40066	9.5	6
130	Highly efficient MnO ₂ /reduced graphene oxide hydrogel motors for organic pollutants removal. <i>Journal of Materials Science</i> , 2020 , 55, 1984-1995	4.3	16
129	Simple and accurate visual detection of single nucleotide polymorphism based on colloidal gold nucleic acid strip biosensor and primer-specific PCR. <i>Analytica Chimica Acta</i> , 2020 , 1093, 106-114	6.6	14
128	Hollow gold nanoshells-incorporated injectable genetically engineered hydrogel for sustained chemo-photothermal therapy of tumor. <i>Journal of Nanobiotechnology</i> , 2019 , 17, 99	9.4	11

127	Ion Current Rectification Behavior of Conical Nanopores Filled with Spatially Distributed Fixed Charges. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 26299-26308	3.8	12
126	Detection of alkaline phosphatase activity with a functionalized nanopipette. <i>Electrochemistry Communications</i> , 2019 , 99, 71-74	5.1	18
125	Bismuth particles imbedded degradable nanohydrogel prepared by one-step method for tumor dual-mode imaging and chemo-photothermal combined therapy. <i>Chemical Engineering Journal</i> , 2019 , 375, 122000	14.7	11
124	In situ aqueous synthesis of genetically engineered polypeptide-capped AgS quantum dots for second near-infrared fluorescence/photoacoustic imaging and photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 2484-2492	7.3	23
123	High-Security Multifunctional Nano-Bismuth-Sphere-Cluster Prepared from Oral Gastric Drug for CT/PA Dual-Mode Imaging and Chemo-Photothermal Combined Therapy In Vivo. <i>Advanced Functional Materials</i> , 2019 , 29, 1900017	15.6	23
122	Ultrafast synthesis of gold nanosphere cluster coated by graphene quantum dot for active targeting PA/CT imaging and near-infrared laser/pH-triggered chemo-photothermal synergistic tumor therapy. <i>Chemical Engineering Journal</i> , 2019 , 369, 87-99	14.7	28
121	Hitherto-Unexplored Photodynamic Therapy of Ag S and Enhanced Regulation Based on Polydopamine In Vitro and Vivo. <i>Chemistry - A European Journal</i> , 2019 , 25, 7553-7560	4.8	10
120	Visual simultaneous detection of single nucleotide polymorphism of tumor susceptibility gene and marker alpha-fetoprotein based on double-labeled colloidal gold probe with lateral flow strip biosensor. <i>Sensors and Actuators B: Chemical</i> , 2019 , 298, 126819	8.5	14
119	Seed-Mediated Synthesis of Polypeptide-Engineered Stabilized Fluorescence-Enhanced Core/Shell Ag ₂ S Quantum Dots and Their Application in pH Sensing and Bacterial Imaging in Extreme Acidity. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13098-13104	8.3	6
118	Intelligent gold nanostars for CT imaging and catalase-enhanced synergistic photodynamic & photothermal tumor therapy. <i>Theranostics</i> , 2019 , 9, 5424-5442	12.1	35
117	An injectable hybrid hydrogel based on a genetically engineered polypeptide for second near-infrared fluorescence/photoacoustic imaging-monitored sustained chemo-photothermal therapy. <i>Nanoscale</i> , 2019 , 11, 16080-16091	7.7	26
116	A near-infrared light-controlled smart nanocarrier with reversible polypeptide-engineered valve for targeted fluorescence-photoacoustic bimodal imaging-guided chemo-photothermal therapy. <i>Theranostics</i> , 2019 , 9, 7666-7679	12.1	17
115	Ion Current Rectification in High-Salt Environment from Mesoporous TiO ₂ Microplug Grown at the Tip of a Micropipette Induced by Space-Confined Evaporation. <i>Analytical Chemistry</i> , 2019 , 91, 15377-15381	7.8	6
114	Hybridization induced fluorescence enhanced DNA-Ag nanocluster/apptamer probe for detection of prostate-specific antigen. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 175, 358-364	6	14
113	HIV-related DNA detection through switching on hybridized quenched fluorescent DNA-Ag nanoclusters. <i>Nanoscale</i> , 2018 , 10, 5532-5538	7.7	22
112	Visual detection of trace lead ion based on aptamer and silver staining nano-metal composite. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 162, 415-419	6	16
111	Synthesis and biological evaluation of new steroidal pyridines as potential anti-prostate cancer agents. <i>European Journal of Medicinal Chemistry</i> , 2018 , 145, 11-22	6.8	20
110	In vivo tumor active cancer targeting and CT-fluorescence dual-modal imaging with nanoprobe based on gold nanorods and InP/ZnS quantum dots. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2574-2583	7.3	21

109	Visual detection of Pb ²⁺ using strip biosensor based on PS2M aptamer and sensitivity enhancement probe. <i>Sensors and Actuators B: Chemical</i> , 2018 , 261, 307-315	8.5	12
108	Designer Exosomes for Active Targeted Chemo-Photothermal Synergistic Tumor Therapy. <i>Advanced Functional Materials</i> , 2018 , 28, 1707360	15.6	81
107	Nitrogen-doped graphene quantum dot for direct fluorescence detection of Al in aqueous media and living cells. <i>Biosensors and Bioelectronics</i> , 2018 , 100, 41-48	11.8	78
106	High-Security Nanocluster for Switching Photodynamic Combining Photothermal and Acid-Induced Drug Compliance Therapy Guided by Multimodal Active-Targeting Imaging. <i>Advanced Functional Materials</i> , 2018 , 28, 1803118	15.6	36
105	Ion-current-rectification-based customizable pH response in glass nanopipettes via silanization. <i>Electrochemistry Communications</i> , 2018 , 93, 95-99	5.1	15
104	A multifunctional targeting probe with dual-mode imaging and photothermal therapy used in vivo. <i>Journal of Nanobiotechnology</i> , 2018 , 16, 42	9.4	16
103	Targeting N-doped graphene quantum dot with high photothermal conversion efficiency for dual-mode imaging and therapy in vitro. <i>Nanotechnology</i> , 2018 , 29, 355101	3.4	31
102	High quantum yield AgS quantum dot@polypeptide-engineered hybrid nanogels for targeted second near-infrared fluorescence/photoacoustic imaging and photothermal therapy. <i>Chemical Communications</i> , 2018 , 54, 527-530	5.8	64
101	Folic acid modified Pluronic F127 coating AgS quantum dot for photoacoustic imaging of tumor cell-targeting. <i>Nanotechnology</i> , 2018 , 29, 055101	3.4	12
100	Imaging-Guided NanoplatforM for Tumor Targeting Delivery and Combined Chemo-, Gene- and Photothermal Therapy. <i>Theranostics</i> , 2018 , 8, 5662-5675	12.1	35
99	Tumor Margin Demarcation and Therapy: A NanoFlare-Based Strategy for In Situ Tumor Margin Demarcation and Neoadjuvant Gene/Photothermal Therapy (Small 50/2018). <i>Small</i> , 2018 , 14, 1870245	11	
98	A NanoFlare-Based Strategy for In Situ Tumor Margin Demarcation and Neoadjuvant Gene/Photothermal Therapy. <i>Small</i> , 2018 , 14, e1802745	11	19
97	pH-modulated ion-current rectification in a cysteine-functionalized glass nanopipette. <i>Electrochemistry Communications</i> , 2018 , 97, 6-10	5.1	14
96	Graphene oxide-assisted Au nanoparticle strip biosensor based on GR-5 DNAzyme for rapid lead ion detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 169, 305-312	6	19
95	Discovery of 5-Cyano-6-phenylpyrimidin Derivatives Containing an Acylurea Moiety as Orally Bioavailable Reversal Agents against P-Glycoprotein-Mediated Mutidrug Resistance. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 5988-6001	8.3	38
94	Graphene oxide coating core-shell silver sulfide@mesoporous silica for active targeted dual-mode imaging and chemo-photothermal synergistic therapy against tumors. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4808-4820	7.3	21
93	Graphene nanopores toward DNA sequencing: a review of experimental aspects. <i>Science China Chemistry</i> , 2017 , 60, 721-729	7.9	30
92	LPE-1, an orally active pyrimidine derivative, inhibits growth and mobility of human esophageal cancers by targeting LSD1. <i>Pharmacological Research</i> , 2017 , 122, 66-77	10.2	23

91	One-Step in Situ Synthesis of Polypeptide-Gold Nanoparticles Hybrid Nanogels and Their Application in Targeted Photoacoustic Imaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9841-9847 ¹⁹	8.3	19
90	Polypeptide-Engineered Hydrogel Coated Gold Nanorods for Targeted Drug Delivery and Chemo-photothermal Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 2391-2398	5.5	21
89	Fabrication of genetically engineered polypeptide@quantum dots hybrid nanogels for targeted imaging. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	3
88	In Vivo Computed Tomography/Photoacoustic Imaging and NIR-Triggered Chemo-Photothermal Combined Therapy Based on a Gold Nanostar-, Mesoporous Silica-, and Thermosensitive Liposome-Composited Nanoprobe. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41748-41759	9.5	44
87	Detection of adenosine triphosphate in HeLa cell using capillary electrophoresis-laser induced fluorescence detection based on aptamer and graphene oxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 140, 233-238	6	16
86	Increased electrocatalyzed performance through hairpin oligonucleotide aptamer-functionalized gold nanorods labels and graphene-streptavidin nanomatrix: Highly selective and sensitive electrochemical biosensor of carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2016 , 83, 142-8	11.8	59
85	Facile Synthesis of Gold Nanospheres Modified by Positively Charged Mesoporous Silica, Loaded with Near-Infrared Fluorescent Dye, for in Vivo X-ray Computed Tomography and Fluorescence Dual Mode Imaging. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 17287-97	9.5	41
84	A field-compatible technique using an electrochemical sensing microbundle for real-time and simultaneous in vivo measurement of hydrogen peroxide, nitric oxide, and pH under drought stress. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 743-748	8.5	10
83	One-pot two-step synthesis of core-shell mesoporous silica-coated gold nanoparticles. <i>Dalton Transactions</i> , 2015 , 44, 7752-6	4.3	14
82	In vivo cancer targeting and fluorescence-CT dual-mode imaging with nanoprobe based on silver sulfide quantum dots and iodinated oil. <i>Nanoscale</i> , 2015 , 7, 19484-92	7.7	38
81	Folic acid-targeted magnetic Tb-doped CeF ₃ fluorescent nanoparticles as bimodal probes for cellular fluorescence and magnetic resonance imaging. <i>Dalton Transactions</i> , 2015 , 44, 16304-12	4.3	10
80	PEG-phospholipid-encapsulated bismuth sulfide and CdSe/ZnS quantum dot core-shell nanoparticle and its computed tomography/fluorescence performance. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	1
79	Capillary electrophoresis-chemiluminescence detection for carcino-embryonic antigen based on aptamer/graphene oxide structure. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 493-8	11.8	49
78	Hybrid nanoprobe of bismuth sulfide nanoparticles and CdSe/ZnS quantum dots for mouse computed tomography/fluorescence dual mode imaging. <i>Journal of Nanobiotechnology</i> , 2015 , 13, 76	9.4	20
77	Preparation, Modification, and Application of Hollow Gold Nanospheres. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-7	3.2	13
76	Composite silica coated gold nanosphere and quantum dots nanoparticles for X-ray CT and fluorescence bimodal imaging. <i>Dalton Transactions</i> , 2015 , 44, 11314-20	4.3	16
75	Composite nanoparticle of Au and quantum dots for X-ray computed tomography and fluorescence dual-mode imaging in vivo. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	2
74	A near-infrared light-controlled system for reversible presentation of bioactive ligands using polypeptide-engineered functionalized gold nanorods. <i>Chemical Communications</i> , 2015 , 51, 2569-72	5.8	19

73	Quantum dot-modified aptamer probe for chemiluminescence detection of carcino-embryonic antigen using capillary electrophoresis. <i>Sensors and Actuators B: Chemical</i> , 2015 , 210, 158-164	8.5	20
72	Carcino-embryonic antigen detection based on fluorescence resonance energy transfer between quantum dots and graphene oxide. <i>Biosensors and Bioelectronics</i> , 2014 , 59, 397-403	11.8	51
71	A novel amperometric adenosine triphosphate biosensor by immobilizing graphene/dual-labeled aptamers complex onto poly(o-phenylenediamine) modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2014 , 191, 695-702	8.5	30
70	Directed self-assembly of polypeptide-engineered physical microgels for building porous cell-laden hydrogels. <i>Chemical Communications</i> , 2014 , 50, 9405-8	5.8	24
69	Polypeptide-engineered physical hydrogels designed from the coiled-coil region of cartilage oligomeric matrix protein for three-dimensional cell culture. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 3123-3132	7.3	20
68	Multifunctional quantum dot-polypeptide hybrid nanogel for targeted imaging and drug delivery. <i>Nanoscale</i> , 2014 , 6, 11282-92	7.7	51
67	High transfection efficiency of quantum dot-antisense oligonucleotide nanoparticles in cancer cells through dual-receptor synergistic targeting. <i>Nanotechnology</i> , 2014 , 25, 255102	3.4	19
66	Folic acid-conjugated silica-coated gold nanorods and quantum dots for dual-modality CT and fluorescence imaging and photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 1945-1953	7.3	61
65	Chemiluminescence detection of lead (II) using B17 DNAzyme and hemin/G-quadruplex with high sensitivity and selectivity. <i>Sensors and Actuators B: Chemical</i> , 2014 , 201, 496-502	8.5	9
64	In vitro and in vivo CT imaging using bismuth sulfide modified with a highly biocompatible Pluronic F127. <i>Nanotechnology</i> , 2014 , 25, 295103	3.4	21
63	Applications of gold nanorods in biomedical imaging and related fields. <i>Science Bulletin</i> , 2013 , 58, 2530-2536		37
62	In vivo monitoring of oxidative burst on aloe under salinity stress using hemoglobin and single-walled carbon nanotubes modified carbon fiber ultramicroelectrode. <i>Biosensors and Bioelectronics</i> , 2013 , 50, 318-24	11.8	25
61	Facile synthesis of carbon nanotube-inorganic hybrid materials with improved photoactivity. <i>Dalton Transactions</i> , 2013 , 42, 15280-4	4.3	6
60	Quantum Dots: Tracking the Down-Regulation of Folate Receptor- α in Cancer Cells through Target Specific Delivery of Quantum Dots Coupled with Antisense Oligonucleotide and Targeted Peptide (Small 24/2013). <i>Small</i> , 2013 , 9, 4182-4182	11	1
59	Tracking the down-regulation of folate receptor- α in cancer cells through target specific delivery of quantum dots coupled with antisense oligonucleotide and targeted peptide. <i>Small</i> , 2013 , 9, 4183-93	11	36
58	Reverse microemulsion-mediated synthesis of Bi ₂ S ₃ -QD@SiO ₂ -PEG for dual modal CT-fluorescence imaging in vitro and in vivo. <i>Chemical Communications</i> , 2013 , 49, 11800-2	5.8	28
57	Synthesis and characterization of Bi ₂ S ₃ composite nanoparticles with high X-ray absorption. <i>Materials Research Bulletin</i> , 2013 , 48, 3800-3804	5.1	19
56	Facile fabrication of TiO ₂ -based composites with tunable properties and improved performance through a general and controllable method. <i>RSC Advances</i> , 2013 , 3, 4880	3.7	3

55	A novel oriented immobilized lipase on magnetic nanoparticles in reverse micelles system and its application in the enrichment of polyunsaturated fatty acids. <i>Bioresource Technology</i> , 2013 , 132, 99-102	11	39
54	A highly sensitive nitric oxide biosensor based on hemoglobin χ hitosan/graphene χ hexadecyltrimethylammonium bromide nanomatrix. <i>Sensors and Actuators B: Chemical</i> , 2012 , 166-167, 444-450	8.5	40
53	Recent advances in electrochemical sensing for hydrogen peroxide: a review. <i>Analyst, The</i> , 2012 , 137, 49-58	5	720
52	Optimisation of preparation conditions and properties of phytosterol liposome-encapsulating nattokinase. <i>Natural Product Research</i> , 2012 , 26, 548-56	2.3	13
51	A new strategy for the detection of adenosine triphosphate by aptamer/quantum dot biosensor based on chemiluminescence resonance energy transfer. <i>Analyst, The</i> , 2012 , 137, 4262-6	5	58
50	Characterization of CdTe/CdSe quantum dots-transferrin fluorescent probes for cellular labeling. <i>Analytica Chimica Acta</i> , 2012 , 741, 86-92	6.6	13
49	One-step fabrication of poly(o-aminophenol)/multi-walled carbon nanotubes composite film modified electrode and its application for levofloxacin determination in pharmaceuticals. <i>Sensors and Actuators B: Chemical</i> , 2012 , 174, 202-209	8.5	42
48	Targeted quantum dots fluorescence probes functionalized with aptamer and peptide for transferrin receptor on tumor cells. <i>Nanotechnology</i> , 2012 , 23, 485104	3.4	46
47	In Vivo Electrochemical Biosensors for Reactive Oxygen Species Detection: A Mini-Review. <i>Analytical Letters</i> , 2012 , 45, 156-167	2.2	23
46	Some characteristics and functional properties of rapeseed protein prepared by ultrasonication, ultrafiltration and isoelectric precipitation. <i>Journal of the Science of Food and Agriculture</i> , 2011 , 91, 1488-98	4.3	54
45	Simultaneous detection of dual single-base mutations by capillary electrophoresis using quantum dot-molecular beacon probe. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2317-22	11.8	63
44	Distance-dependent metal-enhanced quantum dots fluorescence analysis in solution by capillary electrophoresis and its application to DNA detection. <i>Analytical Chemistry</i> , 2011 , 83, 4103-9	7.8	69
43	Real-time observation of the effect of iron on receptor-mediated endocytosis of transferrin conjugated with quantum dots. <i>Journal of Biomedical Optics</i> , 2010 , 15, 045003	3.5	5
42	Special method to prepare quantum dot probes with reduced cytotoxicity and increased optical property. <i>Journal of Biomedical Optics</i> , 2010 , 15, 015001	3.5	15
41	Electrocatalytic oxidation of phytohormone salicylic acid at copper nanoparticles-modified gold electrode and its detection in oilseed rape infected with fungal pathogen <i>Sclerotinia sclerotiorum</i> . <i>Talanta</i> , 2010 , 80, 1277-81	6.2	96
40	SELF-ASSEMBLED QUANTUM DOTS ON AU AND THE INTERFACE FLUORESCENCE. <i>Journal of Innovative Optical Health Sciences</i> , 2010 , 03, 315-320	1.2	3
39	A feasible method of improving the quantum yield of CdTe/CdS quantum dots by the first heating χ cooling cycle and their application in cancer cell recognition. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 1687-1695	2.3	4
38	Immobilized protease on the magnetic nanoparticles used for the hydrolysis of rapeseed meals. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 2031-2037	2.8	32

37	Electrocatalytic activity of salicylic acid on the platinum nanoparticles modified electrode by electrochemical deposition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 76, 370-4	6	41
36	High-sensitivity quantum dot-based fluorescence resonance energy transfer bioanalysis by capillary electrophoresis. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1283-9	11.8	61
35	In vivo monitor oxidative burst induced by Cd ²⁺ stress for the oilseed rape (<i>Brassica napus</i> L.) based on electrochemical microbiosensor. <i>Phytochemical Analysis</i> , 2010 , 21, 192-6	3.4	6
34	Ascorbic acid biosensor based on laccase immobilized on an electrode modified with a self-assembled monolayer and coated with functionalized quantum dots. <i>Mikrochimica Acta</i> , 2009 , 165, 387-392	5.8	17
33	Evaporative deposition of lipophilic quantum dots for an enzyme modified electrode. <i>Mikrochimica Acta</i> , 2009 , 166, 133-138	5.8	4
32	Hydrogen peroxide biosensor based on direct electron transfer of horseradish peroxidase with vapor deposited quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2009 , 138, 278-282	8.5	40
31	In vivo monitoring of oxidative burst induced by ultraviolet A and C stress for oilseed rape by microbiosensor. <i>Sensors and Actuators B: Chemical</i> , 2009 , 141, 599-603	8.5	12
30	Microsensor in vivo monitoring of oxidative burst in oilseed rape (<i>Brassica napus</i> L.) leaves infected by <i>Sclerotinia sclerotiorum</i> . <i>Analytica Chimica Acta</i> , 2009 , 632, 21-5	6.6	12
29	A highly efficient capillary electrophoresis-based method for size determination of water-soluble CdSe/ZnS core-shell quantum dots. <i>Analytica Chimica Acta</i> , 2009 , 647, 219-25	6.6	35
28	Biosensor for Hydrogen Peroxide Based on Chitosan and Nanoparticle Complex Film Modified Glassy-Carbon Electrodes. <i>Analytical Letters</i> , 2009 , 42, 2496-2508	2.2	8
27	Electrocatalysis of emodin at multi-wall nanotubes. <i>Bioelectrochemistry</i> , 2008 , 72, 155-60	5.6	6
26	Study on molecular interactions between proteins on live cell membranes using quantum dot-based fluorescence resonance energy transfer. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 2819-24	4.4	21
25	Solubilization and bioconjugation of QDs and their application in cell imaging. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 86, 833-41	5.4	21
24	Influence of quantum dot's quantum yield to chemiluminescent resonance energy transfer. <i>Analytica Chimica Acta</i> , 2008 , 610, 68-73	6.6	51
23	Interaction of CdTe quantum dots with DNA. <i>Electrochemistry Communications</i> , 2008 , 10, 1337-1339	5.1	29
22	Optimization of the methods for introduction of amine groups onto the silica nanoparticle surface. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 80, 752-7	5.4	20
21	Bioconjugate recognition molecules to quantum dots as tumor probes. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 83, 1209-1216	5.4	21
20	Fluorescence resonance energy transfer between FITC and water-soluble CdSe/ZnS quantum dots. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 302, 168-173	5.1	13

19	Photoluminescence enhancement by coupling of ovalbumin and CdTe quantum dots and its application as protein probe. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 305, 48-53	5.1	28
18	Multi-color encoding of polystyrene microbeads with CdSe/ZnS quantum dots and its application in immunoassay. <i>Journal of Colloid and Interface Science</i> , 2007 , 316, 622-7	9.3	33
17	In vivo measurements of changes in pH triggered by oxalic acid in leaf tissue of transgenic oilseed rape. <i>Phytochemical Analysis</i> , 2007 , 18, 341-6	3.4	9
16	Purification of denatured bovine serum albumin coated CdTe quantum dots for sensitive detection of silver(I) ions. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 969-74	4.4	71
15	A feasible and quantitative encoding method for microbeads with multicolor quantum dots. <i>Journal of Fluorescence</i> , 2007 , 17, 133-8	2.4	16
14	Novel pyrimidine-based amphiphilic molecules: synthesis, spectroscopic properties and applications in two-photon fluorescence microscopic imaging. <i>Journal of Materials Chemistry</i> , 2007 , 17, 2921		44
13	Characterization of the coupling of quantum dots and immunoglobulin antibodies. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 386, 1665-71	4.4	42
12	Two-photon-excited fluorescence and two-photon spectrofluorochemistry of riboflavin. <i>Electrochemistry Communications</i> , 2006 , 8, 595-599	5.1	11
11	The interface behavior and biocatalytic activity of superoxide dismutase at carbon nanotube. <i>Biosensors and Bioelectronics</i> , 2006 , 21, 1350-4	11.8	17
10	Temperature-dependent photoluminescence of water-soluble quantum dots for a bioprobe. <i>Analytica Chimica Acta</i> , 2006 , 559, 120-123	6.6	80
9	A flow cytometric assay technology based on quantum dots-encoded beads. <i>Analytica Chimica Acta</i> , 2006 , 580, 18-23	6.6	35
8	The interface behavior of hemoglobin at carbon nanotube and the detection for H ₂ O ₂ . <i>Talanta</i> , 2005 , 65, 489-94	6.2	162
7	Vibrational spectroscopic encoding of polystyrene-based resin beads: converting the encoding peaks into barcodes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 62, 1039-44	4.4	1
6	Vibrational spectroscopic encoding of polystyrene resin bead: a combined FT-IR and computational study. <i>Journal of Molecular Structure</i> , 2005 , 738, 155-159	3.4	8
5	The oxidation and reduction behavior of nitrite at carbon nanotube powder microelectrodes. <i>Microchemical Journal</i> , 2003 , 75, 189-198	4.8	35
4	Electrocatalytic oxidation of cysteine at carbon nanotube powder microelectrode and its detection. <i>Sensors and Actuators B: Chemical</i> , 2003 , 92, 279-285	8.5	98
3	Direct electrochemistry of horseradish peroxidase at carbon nanotube powder microelectrode. <i>Sensors and Actuators B: Chemical</i> , 2002 , 87, 168-172	8.5	150
2	Direct electron transfer of glucose oxidase molecules adsorbed onto carbon nanotube powder microelectrode. <i>Analytical Sciences</i> , 2002 , 18, 939-41	1.7	109

1 Anodic oxidation of hydrazine at carbon nanotube powder microelectrode and its detection. *Talanta*, **2002**, 58, 529-34 6.2 140