

# Yuan-Di Zhao

## List of Publications by Year in descending order

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165  
papers

6,364  
citations

70961

41  
h-index

85405

71  
g-index

166  
all docs

166  
docs citations

166  
times ranked

8425  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in electrochemical sensing for hydrogen peroxide: a review. <i>Analyst</i> , The, 2012, 137, 49-58.	1.7	826
2	The interface behavior of hemoglobin at carbon nanotube and the detection for HO. <i>Talanta</i> , 2005, 65, 489-494.	2.9	174
3	Direct electrochemistry of horseradish peroxidase at carbon nanotube powder microelectrode. <i>Sensors and Actuators B: Chemical</i> , 2002, 87, 168-172.	4.0	167
4	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.	5.7	164
5	Anodic oxidation of hydrazine at carbon nanotube powder microelectrode and its detection. <i>Talanta</i> , 2002, 58, 529-534.	2.9	160
6	ROS-augmented and tumor-microenvironment responsive biodegradable nanoplatform for enhancing chemo-sonodynamic therapy. <i>Biomaterials</i> , 2020, 234, 119761.	5.7	144
7	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, 1277-1281.	2.9	132
8	Direct Electron Transfer of Glucose Oxidase Molecules Adsorbed onto Carbon Nanotube Powder Microelectrode.. <i>Analytical Sciences</i> , 2002, 18, 939-941.	0.8	123
9	Designer Exosomes for Active Targeted Chemo-Photothermal Synergistic Tumor Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1707360.	7.8	120
10	Red blood cell membrane-enveloped O <sub>2</sub> self-supplementing biomimetic nanoparticles for tumor imaging-guided enhanced sonodynamic therapy. <i>Theranostics</i> , 2020, 10, 867-879.	4.6	117
11	Electrocatalytic oxidation of cysteine at carbon nanotube powder microelectrode and its detection. <i>Sensors and Actuators B: Chemical</i> , 2003, 92, 279-285.	4.0	106
12	Nitrogen-doped graphene quantum dot for direct fluorescence detection of Al <sup>3+</sup> in aqueous media and living cells. <i>Biosensors and Bioelectronics</i> , 2018, 100, 41-48.	5.3	104
13	Temperature-dependent photoluminescence of water-soluble quantum dots for a bioprobe. <i>Analytica Chimica Acta</i> , 2006, 559, 120-123.	2.6	84
14	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, 4103-4109.	3.2	79
15	High quantum yield Ag <sub>2</sub> S 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.	2.2	77
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, 969-974.	1.9	75
17	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, 1488-1498.	1.7	72
18	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.	2.9	71

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19	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, 142-148.	5.3	67
20	Simultaneous detection of dual single-base mutations by capillary electrophoresis using quantum dot-molecular beacon probe. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2317-2322.	5.3	66
21	High-sensitivity quantum dot-based fluorescence resonance energy transfer bioanalysis by capillary electrophoresis. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1283-1289.	5.3	65
22	A new strategy for the detection of adenosine triphosphate by aptamer/quantum dot biosensor based on chemiluminescence resonance energy transfer. <i>Analyst</i> , 2012, 137, 4262.	1.7	62
23	Capillary electrophoresis-chemiluminescence detection for carcino-embryonic antigen based on aptamer/graphene oxide structure. <i>Biosensors and Bioelectronics</i> , 2015, 64, 493-498.	5.3	62
24	Intelligent gold nanostars for <i>in vivo</i> CT imaging and catalase-enhanced synergistic photodynamic & photothermal tumor therapy. <i>Theranostics</i> , 2019, 9, 5424-5442.	4.6	61
25	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.	4.0	57
26	Influence of quantum dot's quantum yield to chemiluminescent resonance energy transfer. <i>Analytica Chimica Acta</i> , 2008, 610, 68-73.	2.6	56
27	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.	5.3	55
28	Multifunctional quantum dot-polypeptide hybrid nanogel for targeted imaging and drug delivery. <i>Nanoscale</i> , 2014, 6, 11282-11292.	2.8	55
29	Electrocatalytic activity of salicylic acid on the platinum nanoparticles modified electrode by electrochemical deposition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 370-374.	2.5	53
30	Discovery of 5-Cyano-6-phenylpyrimidin Derivatives Containing an Acylurea Moiety as Orally Bioavailable Reversal Agents against P-Glycoprotein-Mediated Multidrug Resistance. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5988-6001.	2.9	53
31	Characterization of the coupling of quantum dots and immunoglobulin antibodies. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1665-1671.	1.9	52
32	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.	6.7	52
33	Targeted quantum dots fluorescence probes functionalized with aptamer and peptide for transferrin receptor on tumor cells. <i>Nanotechnology</i> , 2012, 23, 485104.	1.3	52
34	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 &amp; Interfaces</i> , 2017, 9, 41748-41759.	4.0	52
35	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.	7.8	48
36	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, 19484-19492.	2.8	47

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37	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.	4.0	46
38	<i>In vivo</i> Imaging-Guided Nanoplatform for Tumor Targeting Delivery and Combined Chemo-, Gene- and Photothermal Therapy. <i>Theranostics</i> , 2018, 8, 5662-5675.	4.6	46
39	Facile Synthesis of Gold Nanospheres Modified by Positively Charged Mesoporous Silica, Loaded with Near-Infrared Fluorescent Dye, for <i>In Vivo</i> X-ray Computed Tomography and Fluorescence Dual Mode Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17287-17297.	4.0	45
40	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.	6.6	45
41	A highly sensitive nitric oxide biosensor based on hemoglobin@chitosan/graphene@hexadecyltrimethylammonium bromide nanomatrix. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 444-450.	4.0	44
42	Targeting N-doped graphene quantum dot with high photothermal conversion efficiency for dual-mode imaging and therapy <i>in vitro</i> . <i>Nanotechnology</i> , 2018, 29, 355101.	1.3	44
43	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.	2.8	43
44	Applications of gold nanorods in biomedical imaging and related fields. <i>Science Bulletin</i> , 2013, 58, 2530-2536.	1.7	41
45	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.	4.8	41
46	The oxidation and reduction behavior of nitrite at carbon nanotube powder microelectrodes. <i>Microchemical Journal</i> , 2003, 75, 189-198.	2.3	40
47	Antitumor immunity triggered by photothermal therapy and photodynamic therapy of a 2D MoS <sub>2</sub> nanosheet-incorporated injectable polypeptide-engineered hydrogel combined with chemotherapy for 4T1 breast tumor therapy. <i>Nanotechnology</i> , 2020, 31, 205102.	1.3	39
48	Tumor Microenvironment-Activated Theranostics Nanozymes for Fluorescence Imaging and Enhanced Chemo-Chemodynamic Therapy of Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 55780-55789.	4.0	39
49	Tracking the Down-Regulation of Folate Receptor <sup>±</sup> in Cancer Cells through Target Specific Delivery of Quantum Dots Coupled with Antisense Oligonucleotide and Targeted Peptide. <i>Small</i> , 2013, 9, 4183-4193.	5.2	38
50	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, 219-225.	2.6	37
51	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.	1.0	36
52	Graphene nanopores toward DNA sequencing: a review of experimental aspects. <i>Science China Chemistry</i> , 2017, 60, 721-729.	4.2	36
53	High-Security Multifunctional Nano-Bismuth-Sphere-Cluster Prepared from Oral Gastric Drug for CT/PA Dual-Mode Imaging and Chemo-Photothermal Combined Therapy <i>In Vivo</i> . <i>Advanced Functional Materials</i> , 2019, 29, 1900017.	7.8	36
54	A flow cytometric assay technology based on quantum dots-encoded beads. <i>Analytica Chimica Acta</i> , 2006, 580, 18-23.	2.6	35

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55	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, 622-627.	5.0	35
56	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.	4.0	34
57	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.	2.6	34
58	A NanoFlare-Based Strategy for In Situ Tumor Margin Demarcation and Neoadjuvant Gene/Photothermal Therapy. <i>Small</i> , 2018, 14, e1802745.	5.2	34
59	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.	2.9	34
60	<i>In situ</i> aqueous synthesis of genetically engineered polypeptide-capped Ag <sub>2</sub> S quantum dots for second near-infrared fluorescence/photoacoustic imaging and photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2484-2492.	2.9	33
61	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, 318-324.	5.3	31
62	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.	3.1	31
63	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.	2.3	30
64	Interaction of CdTe quantum dots with DNA. <i>Electrochemistry Communications</i> , 2008, 10, 1337-1339.	2.3	30
65	<i>In vivo</i> 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.	2.9	30
66	Graphene oxide-assisted Au nanoparticle strip biosensor based on GR-5 DNzyme for rapid lead ion detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 305-312.	2.5	30
67	Reverse microemulsion-mediated synthesis of Bi <sub>2</sub> S <sub>3</sub> @SiO <sub>2</sub> -PEG for dual modal CT-fluorescence imaging <i>in vitro</i> and <i>in vivo</i> . <i>Chemical Communications</i> , 2013, 49, 11800.	2.2	29
68	HIV-related DNA detection through switching on hybridized quenched fluorescent DNA-Ag nanoclusters. <i>Nanoscale</i> , 2018, 10, 5532-5538.	2.8	29
69	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.	2.9	29
70	Directed self-assembly of polypeptide-engineered physical microgels for building porous cell-laden hydrogels. <i>Chemical Communications</i> , 2014, 50, 9405-9408.	2.2	28
71	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.	2.6	28
72	<i>In vitro</i> and <i>in vivo</i> CT imaging using bismuth sulfide modified with a highly biocompatible Pluronic F127. <i>Nanotechnology</i> , 2014, 25, 295103.	1.3	27

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73	Detection of alkaline phosphatase activity with a functionalized nanopipette. <i>Electrochemistry Communications</i> , 2019, 99, 71-74.	2.3	27
74	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.	2.3	27
75	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, 2819-2824.	1.9	25
76	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.	3.2	25
77	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.	4.6	25
78	Composite silica coated gold nanosphere and quantum dots nanoparticles for X-ray CT and fluorescence bimodal imaging. <i>Dalton Transactions</i> , 2015, 44, 11314-11320.	1.6	24
79	Optimization of the methods for introduction of amine groups onto the silica nanoparticle surface. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 752-757.	2.1	23
80	Bioconjugate recognition molecules to quantum dots as tumor probes. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 83A, 1209-1216.	2.1	23
81	Solubilization and bioconjugation of QDs and their application in cell imaging. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 833-841.	2.1	23
82	In Vivo Electrochemical Biosensors for Reactive Oxygen Species Detection: A Mini-Review. <i>Analytical Letters</i> , 2012, 45, 156-167.	1.0	23
83	Synthesis and characterization of Bi <sub>2</sub> S <sub>3</sub> composite nanoparticles with high X-ray absorption. <i>Materials Research Bulletin</i> , 2013, 48, 3800-3804.	2.7	23
84	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.	4.2	23
85	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.	4.0	23
86	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.	6.6	23
87	A multifunctional targeting probe with dual-mode imaging and photothermal therapy used in vivo. <i>Journal of Nanobiotechnology</i> , 2018, 16, 42.	4.2	22
88	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.	4.0	22
89	Hybridization induced fluorescence enhanced DNA-Ag nanocluster/aptamer probe for detection of prostate-specific antigen. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 358-364.	2.5	22
90	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.	2.9	21

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91	The interface behavior and biocatalytic activity of superoxide dismutase at carbon nanotube. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1350-1354.	5.3	20
92	High transfection efficiency of quantum dot-antisense oligonucleotide nanoparticles in cancer cells through dual-receptor synergistic targeting. <i>Nanotechnology</i> , 2014, 25, 255102.	1.3	20
93	A near-infrared light-controlled system for reversible presentation of bioactive ligands using polypeptide-engineered functionalized gold nanorods. <i>Chemical Communications</i> , 2015, 51, 2569-2572.	2.2	20
94	One-pot two-step synthesis of core-shell mesoporous silica-coated gold nanoparticles. <i>Dalton Transactions</i> , 2015, 44, 7752-7756.	1.6	20
95	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.	2.5	20
96	Visual detection of Pb <sup>2+</sup> using strip biosensor based on PS2M aptamer and sensitivity enhancement probe. <i>Sensors and Actuators B: Chemical</i> , 2018, 261, 307-315.	4.0	20
97	Hollow gold nanoshells-incorporated injectable genetically engineered hydrogel for sustained chemo-photothermal therapy of tumor. <i>Journal of Nanobiotechnology</i> , 2019, 17, 99.	4.2	20
98	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.	4.0	20
99	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.	2.8	20
100	Optimisation of preparation conditions and properties of phytosterol liposome-encapsulating nattokinase. <i>Natural Product Research</i> , 2012, 26, 548-556.	1.0	19
101	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.	2.5	19
102	pH-modulated ion-current rectification in a cysteine-functionalized glass nanopipette. <i>Electrochemistry Communications</i> , 2018, 97, 6-10.	2.3	19
103	Highly efficient MnO <sub>2</sub> /reduced graphene oxide hydrogel motors for organic pollutants removal. <i>Journal of Materials Science</i> , 2020, 55, 1984-1995.	1.7	19
104	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.	2.6	19
105	One-for-All Nanoplatfrom for Synergistic Mild Cascade-Potentiated Ultrasound Therapy Induced with Targeting Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 40052-40066.	4.0	19
106	A metal ion-drug-induced self-assembly nanosystems for augmented chemodynamic and chemotherapy synergetic anticancer therapy. <i>Carbon</i> , 2022, 188, 104-113.	5.4	19
107	Advancing interfacial properties of carbon cloth via anodic-induced self-assembly of MOFs film integrated with Ir-MnO <sub>2</sub> : A sustainable electrocatalyst sensing acetylcholine. <i>Journal of Hazardous Materials</i> , 2022, 426, 128133.	6.5	19
108	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.	2.5	18

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109	Ion-current-rectification-based customizable pH response in glass nanopipettes via silanization. <i>Electrochemistry Communications</i> , 2018, 93, 95-99.	2.3	18
110	Two-photon-excited fluorescence and two-photon spectrofluorochemistry of riboflavin. <i>Electrochemistry Communications</i> , 2006, 8, 595-599.	2.3	17
111	Special method to prepare quantum dot probes with reduced cytotoxicity and increased optical property. <i>Journal of Biomedical Optics</i> , 2010, 15, 015001.	1.4	17
112	Preparation, Modification, and Application of Hollow Gold Nanospheres. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-7.	1.5	17
113	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.	4.0	17
114	A Feasible and Quantitative Encoding Method for Microbeads with Multicolor Quantum Dots. <i>Journal of Fluorescence</i> , 2007, 17, 133-138.	1.3	16
115	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.	4.0	16
116	Characterization of CdTe/CdSe quantum dots-transferrin fluorescent probes for cellular labeling. <i>Analytica Chimica Acta</i> , 2012, 741, 86-92.	2.6	16
117	Recent advances in ionic current rectification based nanopore sensing: a mini-review. <i>Sensors and Actuators Reports</i> , 2021, 3, 100042.	2.3	16
118	Detection of multiple mycotoxins based on catalytic hairpin assembly coupled with pregnancy test strip. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130911.	4.0	16
119	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.	2.3	15
120	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, 21-25.	2.6	15
121	Ion Current Rectification Behavior of Conical Nanopores Filled with Spatially Distributed Fixed Charges. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26299-26308.	1.5	15
122	A self-assembled nanoplatform based on Ag <sub>2</sub> S quantum dots and tellurium nanorods for combined chemo-photothermal therapy guided by H <sub>2</sub> O <sub>2</sub> -activated near-infrared-II fluorescence imaging. <i>Acta Biomaterialia</i> , 2022, 140, 547-560.	4.1	15
123	Folic acid modified Pluronic F127 coating Ag <sub>2</sub> S quantum dot for photoacoustic imaging of tumor cell-targeting. <i>Nanotechnology</i> , 2018, 29, 055101.	1.3	14
124	Hitherto Unexplored Photodynamic Therapy of Ag <sub>2</sub> S and Enhanced Regulation Based on Polydopamine In Vitro and Vivo. <i>Chemistry - A European Journal</i> , 2019, 25, 7553-7560.	1.7	13
125	Quantitative analysis of various targets based on aptamer and functionalized Fe <sub>3</sub> O <sub>4</sub> @graphene oxide in dairy products using pregnancy test strip and smartphone. <i>Food Chemistry</i> , 2021, 352, 129330.	4.2	13
126	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.	4.0	12



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127	In vivo measurements of changes in pH triggered by oxalic acid in leaf tissue of transgenic oilseed rape. <i>Phytochemical Analysis</i> , 2007, 18, 341-346.	1.2	11
128	Chemiluminescence detection of lead (II) using $\alpha$ -8 $\beta$ -17 $\alpha$ ™ DNAzyme and hemin/G-quadruplex with high sensitivity and selectivity. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 496-502.	4.0	11
129	Folic acid-targeted magnetic Tb-doped CeF <sub>3</sub> fluorescent nanoparticles as bimodal probes for cellular fluorescence and magnetic resonance imaging. <i>Dalton Transactions</i> , 2015, 44, 16304-16312.	1.6	11
130	Ion Current Rectification in High-Salt Environment from Mesoporous TiO <sub>2</sub> Microplug <i>in Situ</i> Grown at the Tip of a Micropipette Induced by Space-Confined Evaporation. <i>Analytical Chemistry</i> , 2019, 91, 15377-15381.	3.2	11
131	Vibrational spectroscopic encoding of polystyrene resin bead: a combined FT-IR and computational study. <i>Journal of Molecular Structure</i> , 2005, 738, 155-159.	1.8	9
132	Biosensor for Hydrogen Peroxide Based on Chitosan and Nanoparticle Complex Film Modified Glassy-Carbon Electrodes. <i>Analytical Letters</i> , 2009, 42, 2496-2508.	1.0	9
133	Electrocatalysis of emodin at multi-wall nanotubes. <i>Bioelectrochemistry</i> , 2008, 72, 155-160.	2.4	8
134	<i>In vivo</i> monitor oxidative burst induced by Cd <sup>2+</sup> stress for the oilseed rape ( <i>Brassica napus</i> L.) based on electrochemical microbiosensor. <i>Phytochemical Analysis</i> , 2010, 21, 192-196.	1.2	8
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