

Xingguang Su

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159
papers

4,730
citations

38
h-index

61
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161
ext. papers

5,592
ext. citations

6.1
avg, IF

6.32
L-index

#	Paper	IF	Citations
159	MnO Nanosheet-Carbon Dots Sensing Platform for Sensitive Detection of Organophosphorus Pesticides. <i>Analytical Chemistry</i> , 2018 , 90, 2618-2624	7.8	203
158	Graphene Quantum Dot-MnO ₂ Nanosheet Based Optical Sensing Platform: A Sensitive Fluorescence "Turn Off-On" Nanosensor for Glutathione Detection and Intracellular Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21990-6	9.5	183
157	Review of optical sensors for pesticides. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 103, 1-20	14.6	182
156	Influence of chitosan concentration on mechanical and barrier properties of corn starch/chitosan films. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 1636-1643	7.9	178
155	A ratiometric fluorescent quantum dots based biosensor for organophosphorus pesticides detection by inner-filter effect. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 277-83	11.8	176
154	Oxidase-mimicking activity of ultrathin MnO nanosheets in colorimetric assay of acetylcholinesterase activity. <i>Nanoscale</i> , 2017 , 9, 2317-2323	7.7	152
153	One-pot synthesis of ternary CuInS ₂ quantum dots with near-infrared fluorescence in aqueous solution. <i>RSC Advances</i> , 2012 , 2, 819-825	3.7	129
152	Visual and fluorescent detection of tyrosinase activity by using a dual-emission ratiometric fluorescence probe. <i>Analytical Chemistry</i> , 2015 , 87, 8904-9	7.8	125
151	Aqueous synthesis of mercaptopropionic acid capped Mn ²⁺ -doped ZnSe quantum dots. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7016		123
150	A novel fluorimetric sensing platform for highly sensitive detection of organophosphorus pesticides by using egg white-encapsulated gold nanoclusters. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 232-237	11.8	111
149	A novel turn-on fluorescent strategy for sensing ascorbic acid using graphene quantum dots as fluorescent probe. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 229-233	11.8	93
148	A novel fluorescent nanosensor for detection of heparin and heparinase based on CuInS ₂ quantum dots. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 617-22	11.8	83
147	Visual and fluorescent detection of acetamiprid based on the inner filter effect of gold nanoparticles on ratiometric fluorescence quantum dots. <i>Analytica Chimica Acta</i> , 2014 , 852, 189-95	6.6	81
146	Near-infrared fluorescence probe for the determination of alkaline phosphatase. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 249-54	11.8	70
145	Graphene quantum dots as selective fluorescence sensor for the detection of ascorbic acid and acid phosphatase via Cr(vi)/Cr(iii)-modulated redox reaction. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 3278-3285	7.3	67
144	Yellow-Emissive Carbon Dot-Based Optical Sensing Platforms: Cell Imaging and Analytical Applications for Biocatalytic Reactions. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7737-7744	9.5	63
143	A novel signal-off electrochemiluminescence biosensor for the determination of glucose based on double nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 519-524	11.8	57

142	Hydrophobic starch nanocrystals preparations through crosslinking modification using citric acid. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 1186-93	7.9	55
141	Selective detection of parathion-methyl based on near-infrared CuInS ₂ quantum dots. <i>Food Chemistry</i> , 2015 , 173, 179-84	8.5	54
140	A novel and convenient near-infrared fluorescence "turn off-on" nanosensor for detection of glucose and fluoride anions. <i>Biosensors and Bioelectronics</i> , 2015 , 65, 145-51	11.8	54
139	A novel aptamer functionalized CuInS ₂ quantum dots probe for daunorubicin sensing and near infrared imaging of prostate cancer cells. <i>Analytica Chimica Acta</i> , 2014 , 818, 54-60	6.6	54
138	Multiplex electrochemiluminescence DNA sensor for determination of hepatitis B virus and hepatitis C virus based on multicolor quantum dots and Au nanoparticles. <i>Analytica Chimica Acta</i> , 2016 , 916, 92-101	6.6	52
137	A novel fluorescence biosensor for sensitivity detection of tyrosinase and acid phosphatase based on nitrogen-doped graphene quantum dots. <i>Analytica Chimica Acta</i> , 2018 , 997, 52-59	6.6	51
136	A novel fluorescence probing strategy for the determination of parathion-methyl. <i>Talanta</i> , 2015 , 131, 88-94	6.2	50
135	Label-free detection of exonuclease III by using dsDNA-templated copper nanoparticles as fluorescent probe. <i>Talanta</i> , 2015 , 131, 59-63	6.2	48
134	A simple and convenient fluorescent strategy for the highly sensitive detection of dopamine and ascorbic acid based on graphene quantum dots. <i>Talanta</i> , 2018 , 189, 190-195	6.2	48
133	Fluorescence turn-off-on probe based on polypyrrole/graphene quantum composites for selective and sensitive detection of paracetamol and ascorbic acid. <i>Biosensors and Bioelectronics</i> , 2017 , 98, 222-226	11.8	48
132	A novel fluorescent DNA sensor for ultrasensitive detection of Helicobacter pylori. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 66-72	11.8	48
131	A novel optical nanoprobe for trypsin detection and inhibitor screening based on Mn-doped ZnSe quantum dots. <i>Analytica Chimica Acta</i> , 2012 , 743, 131-6	6.6	48
130	Fluorescence detection of Pb(2+) based on the DNA sequence functionalized CdS quantum dots. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 17-21	11.8	47
129	The synthesis and application of IIIIV type quantum dots. <i>RSC Advances</i> , 2014 , 4, 43415-43428	3.7	46
128	A novel enzyme-mimic nanosensor based on quantum dot-Au nanoparticle@silica mesoporous microsphere for the detection of glucose. <i>Analytica Chimica Acta</i> , 2014 , 840, 68-74	6.6	46
127	Developments in pesticide analysis by multi-analyte immunoassays: a review. <i>Analytical Methods</i> , 2014 , 6, 3543	3.2	43
126	Multi-positively charged dendrimeric nanoparticles induced fluorescence quenching of graphene quantum dots for heparin and chondroitin sulfate detection. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 284-90	11.8	42
125	Biosensing platform for the detection of uric acid based on graphene quantum dots and G-quadruplex/hemin DNAzyme. <i>Analytica Chimica Acta</i> , 2017 , 965, 96-102	6.6	40

124	Determination of catecholamine in human serum by a fluorescent quenching method based on a water-soluble fluorescent conjugated polymer-enzyme hybrid system. <i>Analyst, The</i> , 2012 , 137, 1481-6	5	40
123	A novel ultrasensitive carboxymethyl chitosan-quantum dot-based fluorescence "turn on-off" nanosensor for lysozyme detection. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 9-13	11.8	39
122	A novel high efficient electrochemiluminescence sensor based on reductive Cu(I) particles catalyzed Zn-doped MoS QDs for HPV 16 DNA determination. <i>Biosensors and Bioelectronics</i> , 2020 , 160, 112217	11.8	39
121	A facile photoluminescence modulated nanosensor based on nitrogen-doped graphene quantum dots for sulfite detection. <i>New Journal of Chemistry</i> , 2015 , 39, 8114-8120	3.6	37
120	Dopamine functionalized-CdTe quantum dots as fluorescence probes for l-histidine detection in biological fluids. <i>Talanta</i> , 2014 , 125, 221-6	6.2	37
119	DNA-hosted copper nanoclusters/graphene oxide based fluorescent biosensor for protein kinase activity detection. <i>Analytica Chimica Acta</i> , 2018 , 1012, 66-73	6.6	36
118	Dual modification of starch nanocrystals via crosslinking and esterification for enhancing their hydrophobicity. <i>Food Research International</i> , 2016 , 87, 180-188	7	36
117	Multifunctional Fe ₃ O ₄ @CdTe@SiO ₂ @carboxymethyl chitosan drug nanocarriers: synergistic effect towards magnetic targeted drug delivery and cell imaging. <i>New Journal of Chemistry</i> , 2014 , 38, 700-708	3.6	35
116	A label-free conjugated polymer-based fluorescence assay for the determination of adenosine triphosphate and alkaline phosphatase. <i>New Journal of Chemistry</i> , 2014 , 38, 4574-4579	3.6	34
115	A fluorescence assay for the trace detection of protamine and heparin. <i>RSC Advances</i> , 2014 , 4, 25857	3.7	34
114	A novel label-free fluorescent sensor for highly sensitive detection of bleomycin based on nitrogen-doped graphene quantum dots. <i>Analytica Chimica Acta</i> , 2018 , 1028, 45-49	6.6	33
113	CuInS ₂ quantum dots@silica near-infrared fluorescent nanoprobe for cell imaging. <i>New Journal of Chemistry</i> , 2014 , 38, 90-96	3.6	32
112	Single-atom iron containing nanozyme with peroxidase-like activity and copper nanoclusters based ratio fluorescent strategy for acetylcholinesterase activity sensing. <i>Sensors and Actuators B: Chemical</i> , 2020 , 313, 128023	8.5	30
111	Near-infrared fluorescence nanoprobe for enzyme-substrate system sensing and in vitro imaging. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 922-9	11.8	30
110	Determination of copper(II) and cadmium(II) based on ternary CuInS ₂ quantum dots. <i>Analytical Methods</i> , 2012 , 4, 1365	3.2	30
109	Determination of arsenic(III) based on the fluorescence resonance energy transfer between CdTe QDs and Rhodamine 6G. <i>RSC Advances</i> , 2015 , 5, 17519-17525	3.7	29
108	A novel fluorescence "turn off-on" nanosensor for sensitivity detection acid phosphatase and inhibitor based on glutathione-functionalized graphene quantum dots. <i>Talanta</i> , 2019 , 192, 61-68	6.2	29
107	A boronic acid based glucose assay based on the suppression of the inner filter effect of gold nanoparticles on the orange fluorescence of graphene oxide quantum dots. <i>Mikrochimica Acta</i> , 2017 , 184, 1463-1470	5.8	28

106	Dopamine functionalized CuInS ₂ quantum dots as a fluorescence probe for urea. <i>Sensors and Actuators B: Chemical</i> , 2014 , 191, 246-251	8.5	28
105	Size dependent active effect of CdTe quantum dots on pyrogallol-H ₂ O ₂ chemiluminescence system for chromium(III) detection. <i>Mikrochimica Acta</i> , 2010 , 169, 167-172	5.8	28
104	Sensitive fluorescence detection of ATP based on host-guest recognition between near-infrared β -cyclodextrin-CuInS QDs and aptamer. <i>Talanta</i> , 2017 , 165, 194-200	6.2	27
103	Fluorescence detection of adenosine-5'-triphosphate and alkaline phosphatase based on the generation of CdS quantum dots. <i>Analytica Chimica Acta</i> , 2014 , 827, 103-110	6.6	27
102	Detection of bisphenol A in food packaging based on fluorescent conjugated polymer PPES ₃ and enzyme system. <i>Food Chemistry</i> , 2015 , 185, 233-8	8.5	26
101	A convenient and label-free fluorescence "turn off-on" nanosensor with high sensitivity and selectivity for acid phosphatase. <i>Analytica Chimica Acta</i> , 2015 , 876, 83-90	6.6	26
100	A novel aptamer-mediated CuInS ₂ quantum dots@graphene oxide nanocomposites-based fluorescence "turn off/on" nanosensor for highly sensitive and selective detection of kanamycin. <i>RSC Advances</i> , 2016 , 6, 10205-10214	3.7	26
99	Highly sensitive detection of acid phosphatase by using a graphene quantum dots-based Förster resonance energy transfer. <i>Talanta</i> , 2016 , 161, 469-475	6.2	25
98	A highly sensitive dual-readout assay based on gold nanoclusters for folic acid detection. <i>Mikrochimica Acta</i> , 2015 , 182, 1281-1288	5.8	25
97	UiO-66-NH MOF-based ratiometric fluorescent probe for the detection of dopamine and reduced glutathione. <i>Talanta</i> , 2020 , 220, 121352	6.2	25
96	Label-free aptamer biosensor for selective detection of thrombin. <i>Analytica Chimica Acta</i> , 2015 , 899, 85-90	6.6	24
95	Peroxidase-like activity of Fe-N-C single-atom nanozyme based colorimetric detection of galactose. <i>Analytica Chimica Acta</i> , 2020 , 1128, 72-79	6.6	22
94	Ultrasensitive detection alkaline phosphatase activity using 3-aminophenylboronic acid functionalized gold nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2019 , 281, 175-181	8.5	22
93	Fabrication of Bioresource-Derived Porous Carbon-Supported Iron as an Efficient Oxidase Mimic for Dual-Channel Biosensing. <i>Analytical Chemistry</i> , 2021 , 93, 3130-3137	7.8	22
92	A novel fluorimetric sensing strategy for highly sensitive detection of phytic acid and hydrogen peroxide. <i>Analytica Chimica Acta</i> , 2018 , 1039, 74-81	6.6	21
91	A molybdenum disulfide quantum dots-based ratiometric fluorescence strategy for sensitive detection of epinephrine and ascorbic acid. <i>Analytica Chimica Acta</i> , 2019 , 1089, 123-130	6.6	21
90	A biosensing platform for sensitive detection of concanavalin A based on fluorescence resonance energy transfer from CdTe quantum dots to graphene oxide. <i>New Journal of Chemistry</i> , 2015 , 39, 6092-6098	3.6	20
89	A novel fluorescent probe for adenosine 5'-triphosphate detection based on Zn ²⁺ -modulated l-cysteine capped CdTe quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 433-440	8.5	20

88	Fluorometric detection of tyrosine and cysteine using graphene quantum dots. <i>RSC Advances</i> , 2016 , 6, 33197-33204	3.7	20
87	Copper nanoclusters/polydopamine nanospheres based fluorescence aptasensor for protein kinase activity determination. <i>Analytica Chimica Acta</i> , 2018 , 1035, 184-191	6.6	19
86	A novel fluorescence strategy for mercury ion and trypsin activity assay based on nitrogen-doped graphene quantum dots. <i>New Journal of Chemistry</i> , 2018 , 42, 17083-17090	3.6	19
85	A label-free fluorescent biosensor for the detection of protein kinase activity based on gold nanoclusters/graphene oxide hybrid materials. <i>Analytica Chimica Acta</i> , 2018 , 1013, 71-78	6.6	18
84	Ratiometric fluorescence system for pH sensing and urea detection based on MoS quantum dots and 2, 3-diaminophenazine. <i>Analytica Chimica Acta</i> , 2019 , 1077, 200-207	6.6	17
83	WS2 quantum dots as a sensitive fluorescence probe for the detection of glucose. <i>Journal of Luminescence</i> , 2019 , 207, 491-496	3.8	17
82	Ag-Ion-Modified Au Nanoclusters for Fluorometric Analysis of Alkaline Phosphatase. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6034-6042	5.6	16
81	A label-free fluorescence biosensor for highly sensitive detection of lectin based on carboxymethyl chitosan-quantum dots and gold nanoparticles. <i>Analytica Chimica Acta</i> , 2016 , 932, 88-97	6.6	16
80	Ratio fluorescence analysis of T4 polynucleotide kinase activity based on the formation of a graphene quantum dot-copper nanocluster nanohybrid. <i>Nanoscale</i> , 2019 , 11, 13903-13908	7.7	15
79	A label-free and sensitive fluorescent assay for one step detection of protein kinase activity and inhibition. <i>Analytica Chimica Acta</i> , 2016 , 935, 224-30	6.6	15
78	The synthesis and application of doped semiconductor nanocrystals. <i>Analytical Methods</i> , 2013 , 5, 4541	3.2	15
77	ECyclodextrin modified silver nanoclusters for highly sensitive fluorescence sensing and bioimaging of intracellular alkaline phosphatase. <i>Talanta</i> , 2020 , 207, 120315	6.2	15
76	A novel magnetic/photoluminescence bifunctional nanohybrid for the determination of trypsin. <i>Talanta</i> , 2017 , 170, 286-290	6.2	14
75	Fluorometric determination and intracellular imaging of cysteine by using glutathione capped gold nanoclusters and cerium(III) induced aggregation. <i>Mikrochimica Acta</i> , 2019 , 186, 327	5.8	14
74	Highly sensitive and selective detection of phosphate using novel highly photoluminescent water-soluble Mn-doped ZnTe/ZnSe quantum dots. <i>Talanta</i> , 2015 , 144, 680-5	6.2	14
73	Ultrasensitive detection of amifostine and alkaline phosphatase based on the growth of CdS quantum dots. <i>Talanta</i> , 2015 , 144, 1059-64	6.2	14
72	Sensitive fluorometric detection of alkaline phosphatase using a water-soluble conjugated polymer. <i>RSC Advances</i> , 2014 , 4, 42825-42830	3.7	14
71	Highly sensitive detection of 2,4,6-trinitrophenol (TNP) based on lysozyme capped CdS quantum dots. <i>RSC Advances</i> , 2015 , 5, 51428-51434	3.7	14

70	Fabrication of New Magnetic Nanoparticles (Fe ₃ O ₄) Grafted Multiwall Carbon Nanotubes and Heterocyclic Compound Modified Electrode for Electrochemical Sensor. <i>Electroanalysis</i> , 2010 , 22, 433-438	3	14
69	A label-free fluorescent sensor based on silicon quantum dots-MnO nanosheets for the detection of β -glucosidase and its inhibitor. <i>Analyst, The</i> , 2019 , 144, 7398-7405	5	14
68	Novel coreactant modifier-based amplified electrochemiluminescence sensing method for point-of-care diagnostics of galactose. <i>Biosensors and Bioelectronics</i> , 2019 , 138, 111318	11.8	13
67	Copper nanoclusters capped with tannic acid as a fluorescent probe for real-time determination of the activity of pyrophosphatase. <i>Mikrochimica Acta</i> , 2018 , 185, 182	5.8	13
66	A near-infrared turn-on fluorescent nanosensor for zinc(II) based on CuInS ₂ quantum dots modified with 8-aminoquinoline. <i>Mikrochimica Acta</i> , 2014 , 181, 1385-1391	5.8	13
65	Optical choline sensor based on a water-soluble fluorescent conjugated polymer and an enzyme-coupled assay. <i>Mikrochimica Acta</i> , 2013 , 180, 1135-1140	5.8	13
64	A near-infrared fluorescent bioassay for thrombin using aptamer-modified CuInS ₂ quantum dots. <i>Mikrochimica Acta</i> , 2015 , 182, 1933-1939	5.8	13
63	An enzymatic ratiometric fluorescence assay for 6-mercaptopurine by using MoS quantum dots. <i>Mikrochimica Acta</i> , 2018 , 185, 540	5.8	13
62	One-pot synthesis of strongly fluorescent DNA-CuInS quantum dots for label-free and ultrasensitive detection of anthrax lethal factor DNA. <i>Analytica Chimica Acta</i> , 2016 , 942, 86-95	6.6	12
61	Sensitive detection of acid phosphatase based on graphene quantum dots nanoassembly. <i>Analyst, The</i> , 2016 , 141, 4926-32	5	12
60	Silicon quantum dots based dual-mode fluorometric and colorimetric sensing of D-penicillamine. <i>Talanta</i> , 2021 , 224, 121886	6.2	12
59	L-Cysteine-capped CdTe quantum dots as a fluorescent probe for sequential detection of lysozyme and trypsin. <i>New Journal of Chemistry</i> , 2017 , 41, 4138-4144	3.6	11
58	One-pot synthesis of stable water soluble Mn:ZnSe/ZnS core/shell quantum dots. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	11
57	High sensitive ratiometric fluorescence analysis of trypsin and dithiothreitol based on WS QDs. <i>Talanta</i> , 2020 , 219, 121171	6.2	11
56	A fluorescence "off-on-off" sensing platform based on bimetallic gold/silver nanoclusters for ascorbate oxidase activity monitoring. <i>Analyst, The</i> , 2020 , 145, 1001-1007	5	11
55	Split aptamer based sensing platform for adenosine deaminase detection by fluorescence resonance energy transfer. <i>Talanta</i> , 2019 , 198, 1-7	6.2	10
54	Novel aqueous synthesis methods for ZnTe/ZnSe and Mn ²⁺ -doped ZnTe/ZnSe Type-II core/shell quantum dots. <i>RSC Advances</i> , 2015 , 5, 6271-6278	3.7	10
53	Gold nanocluster-based fluorescent assay for label-free detection of protein kinase and its inhibitors. <i>Mikrochimica Acta</i> , 2017 , 184, 3381-3387	5.8	10

52	Self-assembled dual-emissive nanoprobe with metal-organic frameworks as scaffolds for enhanced ascorbic acid and ascorbate oxidase sensing. <i>Sensors and Actuators B: Chemical</i> , 2021 , 339, 129910	8.5	10
51	Highly sensitive label-free fluorescence determination of lymphotropic virus DNA based on exonuclease assisted target recycling amplification and in-situ generation of fluorescent copper nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2021 , 326, 128847	8.5	10
50	Fe-N-C single-atom nanozymes with peroxidase-like activity for the detection of alkaline phosphatase. <i>Analyst, The</i> , 2021 , 146, 896-903	5	10
49	MXene-Derived Quantum Dot@Gold Nanobones Heterostructure-Based Electrochemiluminescence Sensor for Triple-Negative Breast Cancer Diagnosis.. <i>Analytical Chemistry</i> , 2021 , 93, 17086-17093	7.8	10
48	FeO NP@ZIF-8/MoS QD-based electrochemiluminescence with nanosurface energy transfer strategy for point-of-care determination of ATP. <i>Analytica Chimica Acta</i> , 2020 , 1127, 190-197	6.6	9
47	Aptamer based lysozyme assay using fluorescent CuInS ₂ quantum dots and graphene oxide, and its application to inhibitor screening. <i>Mikrochimica Acta</i> , 2016 , 183, 2907-2916	5.8	9
46	A fluorometric sensing method for sensitive detection of trypsin and its inhibitor based on gold nanoclusters and gold nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 6891-6900	4.4	9
45	Extraction and Separation of Eight Ginsenosides from Flower Buds of Using Aqueous Ionic Liquid-Based Ultrasonic-Assisted Extraction Coupled with an Aqueous Biphasic System. <i>Molecules</i> , 2019 , 24,	4.8	8
44	A Flow-Injection Chemiluminescence Determination of Formaldehyde in Textiles. <i>Spectroscopy Letters</i> , 2010 , 43, 84-90	1.1	8
43	Determination of ascorbic acid and ascorbate oxidase based on quaternary CuInZnS QDs/thiochrome ratiometric fluorescence sensing system. <i>Talanta</i> , 2020 , 214, 120814	6.2	7
42	Label-free fluorescence assay based on near-infrared B,N-doped carbon dots as a fluorescent probe for the detection of sialic acid. <i>New Journal of Chemistry</i> , 2020 , 44, 2350-2356	3.6	7
41	Albumin coated CuInS ₂ quantum dots as a near-infrared fluorescent probe for NADH, and their application to an assay for pyruvate. <i>Mikrochimica Acta</i> , 2014 , 181, 339-345	5.8	7
40	Turn-off fluorescence probe based on 3-mercaptopropionic acid-capped CdS quantum dots for selective and sensitive lysozyme detection. <i>RSC Advances</i> , 2016 , 6, 85795-85801	3.7	7
39	Sodium hexametaphosphate modulated fluorescence responsive biosensor based on self-assembly / disassembly mode of reduced-graphene quantum dots / chitosan system for alkaline phosphatase. <i>Talanta</i> , 2020 , 207, 120341	6.2	7
38	A ratiometric fluorescent biosensor for the sensitive determination of α-glucosidase activity and arcarbose based on N-doped carbon dots. <i>Analyst, The</i> , 2020 , 145, 5808-5815	5	6
37	A label-free fluorescence nanosensor for the determination of adrenaline based on graphene quantum dots. <i>Analytical Methods</i> , 2017 , 9, 4434-4438	3.2	6
36	Rapid synthesis of dual proteins co-functionalized gold nanoclusters for ratiometric fluorescence sensing of polynucleotide kinase activity. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129200	8.5	6
35	Photovoltaic properties of titanium dioxide nanowires with different crystal structures. <i>Chemical Research in Chinese Universities</i> , 2016 , 32, 661-664	2.2	5

34	Highly sensitive fluorescent determination of sulfide using BSA-capped CdS quantum dots. <i>New Journal of Chemistry</i> , 2016 , 40, 1872-1877	3.6	5
33	Convenient Method for Enhancing Hydrophobicity and Dispersibility of Starch Nanocrystals by Crosslinking Modification with Citric Acid. <i>International Journal of Food Engineering</i> , 2018 , 14,	1.9	5
32	Ratiometric fluorescence strategy for p53 gene assay by using nitrogen doped graphene quantum dots and berberine as fluorescence reporters. <i>Analytica Chimica Acta</i> , 2019 , 1084, 78-84	6.6	5
31	Turn-on fluorometric NADPH assay using orange emitting graphene oxide quantum dots. <i>Mikrochimica Acta</i> , 2017 , 184, 4571-4578	5.8	5
30	Highly Selective Solid-Phase Extraction of Pb(II) by Ion-Imprinted Superparamagnetic Mesoporous Silica. <i>ChemistrySelect</i> , 2019 , 4, 259-264	1.8	5
29	Redox reaction-modulated fluorescence biosensor for ascorbic acid oxidase assay by using MoS quantum dots as fluorescence probe. <i>Talanta</i> , 2021 , 222, 121522	6.2	5
28	Dual mode detection of amifostine based on gold nanoparticles and sulfanilic acid functionalized graphene quantum dots. <i>New Journal of Chemistry</i> , 2018 , 42, 12126-12133	3.6	5
27	A naked-eye pH-modulated ratiometric photoluminescence sensor based on dual-emission quantum dot@silica nanoparticles for Zn ²⁺ and IO ₃ ⁻ . <i>RSC Advances</i> , 2015 , 5, 69251-69258	3.7	4
26	Advances in the application of QD-based intracellular sensing systems. <i>Applied Spectroscopy Reviews</i> , 2016 , 51, 162-181	4.5	4
25	Dual-Color Quantum Dot-Encoded Nanoprobe for DNA Assays and Cell Imaging. <i>Spectroscopy Letters</i> , 2014 , 47, 324-332	1.1	4
24	A redox-modulated fluorescent strategy for the highly sensitive detection of metabolites by using graphene quantum dots. <i>Analytica Chimica Acta</i> , 2017 , 990, 150-156	6.6	4
23	Flow Injection Chemiluminescence Determination of EDTA in Canned Food. <i>Analytical Letters</i> , 2011 , 44, 94-104	2.2	4
22	Rational Fabrication of a Smart Electrochemiluminescent Sensor: Synergistic Effect of a Self-Luminous Faraday Cage and Biomimetic Magnetic Vesicles. <i>Analytical Chemistry</i> , 2021 , 93, 7508-7515	7.8	4
21	Nanozyme-Based Detection of Alkaline Phosphatase. <i>ACS Applied Nano Materials</i> , 2021 , 4, 7888-7896	5.6	4
20	Cascade reaction biosensor based on Cu/N co-doped two-dimensional carbon-based nanozyme for the detection of lactose and β -galactosidase.. <i>Talanta</i> , 2022 , 245, 123451	6.2	4
19	Highly Sensitive Flow-Injection Chemiluminescence Detection of Carbonyl Compounds in Wine Samples. <i>Analytical Letters</i> , 2011 , 44, 4-11	2.2	3
18	Lysozyme-Functionalized 5-Methyl-2-thiouracil Gold/Silver Nanoclusters for Luminescence Assay of Alkaline Phosphatase. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9265-9273	5.6	3
17	Novel formaldehyde sensor based on hydrogen peroxide /melamine modulated photoluminescence of nitrogen-doped graphene quantum dots. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017 , 32, 1481-1486	1	2

16	Determination of trace amounts of chromium (VI) by flow injection analysis with chemiluminescence detection. <i>International Journal of Environmental Analytical Chemistry</i> , 2012 , 92, 210-221	1.8	2
15	A pH-responsive fluorometric and colorimetric system based on silicon quantum dots and 4-nitrophenol for urease activity detection. <i>Talanta</i> , 2022 , 237, 122956	6.2	2
14	Nitrogen-doped graphene quantum dot-based sensing platform for metabolite detection. <i>Mikrochimica Acta</i> , 2020 , 187, 532	5.8	2
13	A fluorometric assay for β -glucosidase activity based on quaternary AgInZnS QDs. <i>Mikrochimica Acta</i> , 2021 , 188, 227	5.8	2
12	Fluorometric determination of the activity of alkaline phosphatase based on a system composed of WS quantum dots and MnO nanosheets. <i>Mikrochimica Acta</i> , 2019 , 186, 839	5.8	2
11	Design of a dual-signal sensing platform for d-penicillamine based on UiO-66-NH MOFs and APBA@Alizarin Red. <i>Analyst</i> , 2021 , 146, 5280-5286	5	2
10	Constructing self-assembled nanohybrids for the ratiometric fluorescent sensing of acetylcholinesterase activity. <i>Sensors and Actuators B: Chemical</i> , 2021 , 345, 130430	8.5	2
9	A novel ratiometric dual-emission fluorescence magnetic nanohybrid for HlgG immunoassay. <i>New Journal of Chemistry</i> , 2016 , 40, 6860-6866	3.6	1
8	An rGQD/chitosan nanocomposite-based pH-sensitive probe: application to sensing in urease activity assays. <i>New Journal of Chemistry</i> , 2019 , 43, 13398-13407	3.6	1
7	Construction of a Sensing Platform Based on DNA-Encoded Magnetic Beads and Copper Nanoclusters for Viral Gene Analysis with Target Recycling Amplification.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 5669-5677	4.1	1
6	Heparin-enhanced peroxidase-like activity of iron-cobalt oxide nanosheets for sensitive colorimetric detection of trypsin.. <i>Mikrochimica Acta</i> , 2022 , 189, 135	5.8	1
5	Constructing bifunctional metal-organic framework based nanozymes with fluorescence and oxidase activity for the dual-channel detection of butyrylcholinesterase.. <i>Analytica Chimica Acta</i> , 2022 , 1205, 339717	6.6	1
4	A dual-signal fluorometric-colorimetric sensing platform and visual detection with a smartphone for the determination of β -galactosidase activity based on fluorescence silicon nanoparticles.. <i>Talanta</i> , 2021 , 240, 123165	6.2	0
3	Development of carbon dot-thiochrome-based sensing system for ratiometric fluorescence detection of D-penicillamine. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 5779-5787	4.4	0
2	Label-free and dual-mode biosensor for HPV DNA based on DNA/silver nanoclusters and G-quadruplex/hemin DNAzyme. <i>Talanta</i> , 2022 , 247, 123554	6.2	0
1	Applications of Semiconductor Quantum Dots in Chemical and Biological Analysis 2010 , 31-60		