

Xingguang Su

List of Publications by Year in descending order

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159
papers

6,410
citations

61857

43
h-index

85405

71
g-index

161
all docs

161
docs citations

161
times ranked

6875
citing authors

#	ARTICLE	IF	CITATIONS
1	MnO ₂ Nanosheet-Carbon Dots Sensing Platform for Sensitive Detection of Organophosphorus Pesticides. <i>Analytical Chemistry</i> , 2018, 90, 2618-2624.	3.2	288
2	Review of optical sensors for pesticides. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 103, 1-20.	5.8	287
3	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.	3.6	271
4	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, 21990-21996.	4.0	220
5	A ratiometric fluorescent quantum dots based biosensor for organophosphorus pesticides detection by inner-filter effect. <i>Biosensors and Bioelectronics</i> , 2015, 74, 277-283.	5.3	219
6	Oxidase-mimicking activity of ultrathin MnO ₂ nanosheets in colorimetric assay of acetylcholinesterase activity. <i>Nanoscale</i> , 2017, 9, 2317-2323.	2.8	194
7	Visual and Fluorescent Detection of Tyrosinase Activity by Using a Dual-Emission Ratiometric Fluorescence Probe. <i>Analytical Chemistry</i> , 2015, 87, 8904-8909.	3.2	143
8	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.	5.3	141
9	One-pot synthesis of ternary CuInS ₂ quantum dots with near-infrared fluorescence in aqueous solution. <i>RSC Advances</i> , 2012, 2, 819-825.	1.7	137
10	Aqueous synthesis of mercaptopropionic acid capped Mn ²⁺ -doped ZnSe quantum dots. <i>Journal of Materials Chemistry</i> , 2009, 19, 7016.	6.7	132
11	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.	5.3	122
12	A novel fluorescent nanosensor for detection of heparin and heparinase based on CuInS ₂ quantum dots. <i>Biosensors and Bioelectronics</i> , 2014, 54, 617-622.	5.3	95
13	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, 189-195.	2.6	95
14	Hydrophobic starch nanocrystals preparations through crosslinking modification using citric acid. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 1186-1193.	3.6	91
15	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.	4.0	87
16	Near-infrared fluorescence probe for the determination of alkaline phosphatase. <i>Biosensors and Bioelectronics</i> , 2014, 55, 249-254.	5.3	78
17	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.	2.9	77
18	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.	4.0	75

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19	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.	2.6	71
20	Selective detection of parathion-methyl based on near-infrared CuInS ₂ quantum dots. <i>Food Chemistry</i> , 2015, 173, 179-184.	4.2	70
21	A novel signal-off electrochemiluminescence biosensor for the determination of glucose based on double nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 63, 519-524.	5.3	69
22	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.	2.6	67
23	A novel fluorescence probing strategy for the determination of parathion-methyl. <i>Talanta</i> , 2015, 131, 88-94.	2.9	67
24	A novel high efficient electrochemiluminescence sensor based on reductive Cu(I) particles catalyzed Zn-doped MoS ₂ QDs for HPV 16 DNA determination. <i>Biosensors and Bioelectronics</i> , 2020, 160, 112217.	5.3	65
25	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.	2.6	62
26	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.	2.9	62
27	A novel and convenient near-infrared fluorescence "turn off" nanosensor for detection of glucose and fluoride anions. <i>Biosensors and Bioelectronics</i> , 2015, 65, 145-151.	5.3	61
28	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.	5.3	59
29	A novel fluorescent DNA sensor for ultrasensitive detection of <i>Helicobacter pylori</i> . <i>Biosensors and Bioelectronics</i> , 2017, 87, 66-72.	5.3	59
30	Peroxidase-like activity of Fe-N-C single-atom nanozyme based colorimetric detection of galactose. <i>Analytica Chimica Acta</i> , 2020, 1128, 72-79.	2.6	58
31	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.	3.2	54
32	A novel optical nanoprobe for trypsin detection and inhibitor screening based on Mn-doped ZnSe quantum dots. <i>Analytica Chimica Acta</i> , 2012, 743, 131-136.	2.6	52
33	The synthesis and application of III-VI type quantum dots. <i>RSC Advances</i> , 2014, 4, 43415-43428.	1.7	52
34	Label-free detection of exonuclease III by using dsDNA-templated copper nanoparticles as fluorescent probe. <i>Talanta</i> , 2015, 131, 59-63.	2.9	52
35	Dual modification of starch nanocrystals via crosslinking and esterification for enhancing their hydrophobicity. <i>Food Research International</i> , 2016, 87, 180-188.	2.9	52
36	Fluorescence detection of Pb ²⁺ based on the DNA sequence functionalized CdS quantum dots. <i>Biosensors and Bioelectronics</i> , 2014, 58, 17-21.	5.3	48

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37	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.	2.6	48
38	Developments in pesticide analysis by multi-analyte immunoassays: a review. <i>Analytical Methods</i> , 2014, 6, 3543.	1.3	48
39	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.	2.6	48
40	DNA-hosted copper nanoclusters/graphene oxide based fluorescent biosensor for protein kinase activity detection. <i>Analytica Chimica Acta</i> , 2018, 1012, 66-73.	2.6	48
41	UiO-66-NH ₂ MOF-based ratiometric fluorescent probe for the detection of dopamine and reduced glutathione. <i>Talanta</i> , 2020, 220, 121352.	2.9	47
42	A novel ultrasensitive carboxymethyl chitosan-quantum dot-based fluorescence "turn on" nanosensor for lysozyme detection. <i>Biosensors and Bioelectronics</i> , 2014, 61, 9-13.	5.3	46
43	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, 284-290.	5.3	45
44	A fluorescence assay for the trace detection of protamine and heparin. <i>RSC Advances</i> , 2014, 4, 25857.	1.7	43
45	Dopamine functionalized "CdTe quantum dots as fluorescence probes for l-histidine detection in biological fluids. <i>Talanta</i> , 2014, 125, 221-226.	2.9	43
46	Determination of catecholamine in human serum by a fluorescent quenching method based on a water-soluble fluorescent conjugated polymer-enzyme hybrid system. <i>Analyst</i> , 2012, 137, 1481.	1.7	42
47	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.	1.4	42
48	A novel fluorescence "turn off" nanosensor for sensitivity detection acid phosphatase and inhibitor based on glutathione-functionalized graphene quantum dots. <i>Talanta</i> , 2019, 192, 61-68.	2.9	42
49	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.	2.6	41
50	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.	4.0	40
51	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.	1.4	38
52	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.	1.4	37
53	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.	2.5	37
54	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.	2.6	36

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55	Near-infrared fluorescence nanoprobe for enzyme-substrate system sensing and in vitro imaging. <i>Biosensors and Bioelectronics</i> , 2016, 79, 922-929.	5.3	35
56	Determination of copper(II) and cadmium(II) based on ternary CuInS ₂ quantum dots. <i>Analytical Methods</i> , 2012, 4, 1365.	1.3	34
57	CuInS ₂ quantum dots@silica near-infrared fluorescent nanoprobe for cell imaging. <i>New Journal of Chemistry</i> , 2014, 38, 90-96.	1.4	34
58	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.	1.7	34
59	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.	2.5	32
60	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.	2.6	32
61	Highly sensitive detection of acid phosphatase by using a graphene quantum dots-based Förster resonance energy transfer. <i>Talanta</i> , 2016, 161, 469-475.	2.9	32
62	A convenient and label-free fluorescence aptamer-nanosensor with high sensitivity and selectivity for acid phosphatase. <i>Analytica Chimica Acta</i> , 2015, 876, 83-90.	2.6	31
63	Sensitive fluorescence detection of ATP based on host-guest recognition between near-infrared β -Cyclodextrin-CuInS ₂ QDs and aptamer. <i>Talanta</i> , 2017, 165, 194-200.	2.9	31
64	A novel aptamer-mediated CuInS ₂ quantum dots@graphene oxide nanocomposites-based fluorescence aptamer-nanosensor for highly sensitive and selective detection of kanamycin. <i>RSC Advances</i> , 2016, 6, 10205-10214.	1.7	30
65	Dopamine functionalized CuInS ₂ quantum dots as a fluorescence probe for urea. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 246-251.	4.0	29
66	A highly sensitive dual-readout assay based on gold nanoclusters for folic acid detection. <i>Mikrochimica Acta</i> , 2015, 182, 1281-1288.	2.5	29
67	MXene-Derived Quantum Dot@Gold Nanobones Heterostructure-Based Electrochemiluminescence Sensor for Triple-Negative Breast Cancer Diagnosis. <i>Analytical Chemistry</i> , 2021, 93, 17086-17093.	3.2	29
68	Detection of bisphenol A in food packaging based on fluorescent conjugated polymer PPESO ₃ and enzyme system. <i>Food Chemistry</i> , 2015, 185, 233-238.	4.2	28
69	Label-free aptamer biosensor for selective detection of thrombin. <i>Analytica Chimica Acta</i> , 2015, 899, 85-90.	2.6	28
70	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.	1.4	28
71	Ultrasensitive detection alkaline phosphatase activity using 3-aminophenylboronic acid functionalized gold nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 175-181.	4.0	28
72	Ag-Ion-Modified Au Nanoclusters for Fluorometric Analysis of Alkaline Phosphatase. <i>ACS Applied Nano Materials</i> , 2020, 3, 6034-6042.	2.4	28

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73	Fe ³⁺ -N ³⁻ C single-atom nanozymes with peroxidase-like activity for the detection of alkaline phosphatase. <i>Analyst, The</i> , 2021, 146, 896-903.	1.7	28
74	Nanozyme-Based Detection of Alkaline Phosphatase. <i>ACS Applied Nano Materials</i> , 2021, 4, 7888-7896.	2.4	28
75	WS ₂ quantum dots as a sensitive fluorescence probe for the detection of glucose. <i>Journal of Luminescence</i> , 2019, 207, 491-496.	1.5	27
76	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.	4.0	26
77	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.	2.8	26
78	A label-free fluorescent sensor based on silicon quantum dots-MnO ₂ nanosheets for the detection of α -glucosidase and its inhibitor. <i>Analyst, The</i> , 2019, 144, 7398-7405.	1.7	26
79	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.	2.9	26
80	Fluorometric detection of tyrosine and cysteine using graphene quantum dots. <i>RSC Advances</i> , 2016, 6, 33197-33204.	1.7	25
81	A novel fluorimetric sensing strategy for highly sensitive detection of phytic acid and hydrogen peroxide. <i>Analytica Chimica Acta</i> , 2018, 1039, 74-81.	2.6	25
82	Ratiometric fluorescence system for pH sensing and urea detection based on MoS ₂ quantum dots and 2, 3-diaminophenazine. <i>Analytica Chimica Acta</i> , 2019, 1077, 200-207.	2.6	25
83	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.	2.6	24
84	Copper nanoclusters/polydopamine nanospheres based fluorescence aptasensor for protein kinase activity determination. <i>Analytica Chimica Acta</i> , 2018, 1035, 184-191.	2.6	24
85	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.	1.4	23
86	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.	1.4	22
87	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.	2.6	22
88	A ratiometric fluorescent biosensor for the sensitive determination of α -glucosidase activity and acarbose based on N-doped carbon dots. <i>Analyst, The</i> , 2020, 145, 5808-5815.	1.7	22
89	Novel coreactant modifier-based amplified electrochemiluminescence sensing method for point-of-care diagnostics of galactose. <i>Biosensors and Bioelectronics</i> , 2019, 138, 111318.	5.3	21
90	Fe ₃ O ₄ NP@ZIF-8/MoS ₂ QD-based electrochemiluminescence with nanosurface energy transfer strategy for point-of-care determination of ATP. <i>Analytica Chimica Acta</i> , 2020, 1127, 190-197.	2.6	21

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91	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.	1.5	20
92	An enzymatic ratiometric fluorescence assay for 6-mercaptopurine by using MoS ₂ quantum dots. <i>Mikrochimica Acta</i> , 2018, 185, 540.	2.5	20
93	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.	2.5	20
94	Extraction and Separation of Eight Ginsenosides from Flower Buds of Panax Ginseng Using Aqueous Ionic Liquid-Based Ultrasonic-Assisted Extraction Coupled with an Aqueous Biphasic System. <i>Molecules</i> , 2019, 24, 778.	1.7	20
95	A fluorescence "off-on" sensing platform based on bimetallic gold/silver nanoclusters for ascorbate oxidase activity monitoring. <i>Analyst</i> , The, 2020, 145, 1001-1007.	1.7	20
96	Redox reaction-modulated fluorescence biosensor for ascorbic acid oxidase assay by using MoS ₂ quantum dots as fluorescence probe. <i>Talanta</i> , 2021, 222, 121522.	2.9	20
97	Silicon quantum dots based dual-mode fluorometric and colorimetric sensing of D-penicillamine. <i>Talanta</i> , 2021, 224, 121886.	2.9	20
98	High sensitive ratiometric fluorescence analysis of trypsin and dithiothreitol based on WS ₂ QDs. <i>Talanta</i> , 2020, 219, 121171.	2.9	20
99	Highly sensitive and selective detection of phosphate using novel highly photoluminescent water-soluble Mn-doped ZnTe/ZnSe quantum dots. <i>Talanta</i> , 2015, 144, 680-685.	2.9	19
100	A label-free and sensitive fluorescent assay for one step detection of protein kinase activity and inhibition. <i>Analytica Chimica Acta</i> , 2016, 935, 224-230.	2.6	19
101	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.	1.9	19
102	β-Cyclodextrin modified silver nanoclusters for highly sensitive fluorescence sensing and bioimaging of intracellular alkaline phosphatase. <i>Talanta</i> , 2020, 207, 120315.	2.9	19
103	The synthesis and application of doped semiconductor nanocrystals. <i>Analytical Methods</i> , 2013, 5, 4541.	1.3	18
104	Sensitive detection of acid phosphatase based on graphene quantum dots nanoassembly. <i>Analyst</i> , The, 2016, 141, 4926-4932.	1.7	18
105	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.	2.5	18
106	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.	4.0	18
107	Highly sensitive detection of 2,4,6-trinitrophenol (TNP) based on lysozyme capped CdS quantum dots. <i>RSC Advances</i> , 2015, 5, 51428-51434.	1.7	17
108	A novel magnetic/photoluminescence bifunctional nanohybrid for the determination of trypsin. <i>Talanta</i> , 2017, 170, 286-290.	2.9	17

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109	Determination of ascorbic acid and ascorbate oxidase based on quaternary CuInZnS QDs/thiochrome ratiometric fluorescence sensing system. <i>Talanta</i> , 2020, 214, 120814.	2.9	17
110	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.	2.6	17
111	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.	2.4	16
112	Heparin-enhanced peroxidase-like activity of iron-cobalt oxide nanosheets for sensitive colorimetric detection of trypsin. <i>Mikrochimica Acta</i> , 2022, 189, 135.	2.5	16
113	Sensitive fluorometric detection of alkaline phosphatase using a water-soluble conjugated polymer. <i>RSC Advances</i> , 2014, 4, 42825-42830.	1.7	15
114	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.	2.5	15
115	Ultrasensitive detection of amifostine and alkaline phosphatase based on the growth of CdS quantum dots. <i>Talanta</i> , 2015, 144, 1059-1064.	2.9	15
116	Optical choline sensor based on a water-soluble fluorescent conjugated polymer and an enzyme-coupled assay. <i>Mikrochimica Acta</i> , 2013, 180, 1135-1140.	2.5	14
117	One-pot synthesis of strongly fluorescent DNA-CuInS ₂ quantum dots for label-free and ultrasensitive detection of anthrax lethal factor DNA. <i>Analytica Chimica Acta</i> , 2016, 942, 86-95.	2.6	14
118	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.	4.0	14
119	A near-infrared fluorescent bioassay for thrombin using aptamer-modified CuInS ₂ quantum dots. <i>Mikrochimica Acta</i> , 2015, 182, 1933-1939.	2.5	13
120	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.	2.9	13
121	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.	1.7	12
122	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.	1.4	12
123	Gold nanocluster-based fluorescent assay for label-free detection of protein kinase and its inhibitors. <i>Mikrochimica Acta</i> , 2017, 184, 3381-3387.	2.5	12
124	Split aptamer based sensing platform for adenosine deaminase detection by fluorescence resonance energy transfer. <i>Talanta</i> , 2019, 198, 1-7.	2.9	12
125	One-pot synthesis of stable water soluble Mn:ZnSe/ZnS core/shell quantum dots. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	11
126	A label-free fluorescence nanosensor for the determination of adrenaline based on graphene quantum dots. <i>Analytical Methods</i> , 2017, 9, 4434-4438.	1.3	11

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127	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, .	0.7	11
128	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.	2.5	10
129	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.	2.6	10
130	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.	2.9	10
131	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.	3.2	10
132	A ratiometric fluorescence strategy based on polyethyleneimine surface-modified carbon dots and Eosin Y for the ultrasensitive determination of protamine and trypsin. <i>Analyst, The</i> , 2022, 147, 677-684.	1.7	10
133	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.	2.9	10
134	Design of a dual-signal sensing platform for penicillamine based on UiO-66-NH ₂ MOFs and APBA@Alizarin Red. <i>Analyst, The</i> , 2021, 146, 5280-5286.	1.7	9
135	Constructing self-assembled nanohybrids for the ratiometric fluorescent sensing of acetylcholinesterase activity. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130430.	4.0	9
136	A Flow-Injection Chemiluminescence Determination of Formaldehyde in Textiles. <i>Spectroscopy Letters</i> , 2010, 43, 84-90.	0.5	8
137	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.	1.7	8
138	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.	2.6	8
139	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> , 2022, 240, 123165.	2.9	8
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