Xingguang Su

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2325649/publications.pdf

Version: 2024-02-01

159 papers	6,410 citations	61984 43 h-index	85541 71 g-index
161 all docs	161 docs citations	161 times ranked	6875 citing authors

#	Article	IF	Citations
1	MnO₂ Nanosheet-Carbon Dots Sensing Platform for Sensitive Detection of Organophosphorus Pesticides. Analytical Chemistry, 2018, 90, 2618-2624.	6.5	288
2	Review of optical sensors for pesticides. TrAC - Trends in Analytical Chemistry, 2018, 103, 1-20.	11.4	287
3	Influence of chitosan concentration on mechanical and barrier properties of corn starch/chitosan films. International Journal of Biological Macromolecules, 2017, 105, 1636-1643.	7.5	271
4	Graphene Quantum Dotâ€“MnO₂ Nanosheet Based Optical Sensing Platform: A Sensitive Fluorescence â€œTurn Offâ€“Onâ€•Nanosensor for Glutathione Detection and Intracellular Imaging. ACS Applied Materials & Interfaces, 2016, 8, 21990-21996.	8.0	220
5	A ratiometric fluorescent quantum dots based biosensor for organophosphorus pesticides detection by inner-filter effect. Biosensors and Bioelectronics, 2015, 74, 277-283.	10.1	219
6	Oxidase-mimicking activity of ultrathin MnO₂nanosheets in colorimetric assay of acetylcholinesterase activity. Nanoscale, 2017, 9, 2317-2323.	5.6	194
7	Visual and Fluorescent Detection of Tyrosinase Activity by Using a Dual-Emission Ratiometric Fluorescence Probe. Analytical Chemistry, 2015, 87, 8904-8909.	6.5	143
8	A novel fluorimetric sensing platform for highly sensitive detection of organophosphorus pesticides by using egg white-encapsulated gold nanoclusters. Biosensors and Bioelectronics, 2017, 91, 232-237.	10.1	141
9	One-pot synthesis of ternary CuInS₂quantum dots with near-infrared fluorescence in aqueous solution. RSC Advances, 2012, 2, 819-825.	3.6	137
10	Aqueous synthesis of mercaptopropionic acid capped Mn2+-doped ZnSe quantum dots. Journal of Materials Chemistry, 2009, 19, 7016.	6.7	132
11	A novel turn-on fluorescent strategy for sensing ascorbic acid using graphene quantum dots as fluorescent probe. Biosensors and Bioelectronics, 2017, 92, 229-233.	10.1	122
12	A novel fluorescent nanosensor for detection of heparin and heparinase based on CuInS2 quantum dots. Biosensors and Bioelectronics, 2014, 54, 617-622.	10.1	95
13	Visual and fluorescent detection of acetamiprid based on the inner filter effect of gold nanoparticles on ratiometric fluorescence quantum dots. Analytica Chimica Acta, 2014, 852, 189-195.	5.4	95
14	Hydrophobic starch nanocrystals preparations through crosslinking modification using citric acid. International Journal of Biological Macromolecules, 2016, 91, 1186-1193.	7.5	91
15	Yellow-Emissive Carbon Dot-Based Optical Sensing Platforms: Cell Imaging and Analytical Applications for Biocatalytic Reactions. ACS Applied Materials & Interfaces, 2018, 10, 7737-7744.	8.0	87
16	Near-infrared fluorescence probe for the determination of alkaline phosphatase. Biosensors and Bioelectronics, 2014, 55, 249-254.	10.1	78
17	Graphene quantum dots as selective fluorescence sensor for the detection of ascorbic acid and acid phosphatase via Cr(<scp>vi</scp>)/Cr(<scp>iii</scp>)-modulated redox reaction. Journal of Materials Chemistry B, 2016, 4, 3278-3285.	5.8	77
18	Single-atom iron containing nanozyme with peroxidase-like activity and copper nanoclusters based ratio fluorescent strategy for acetylcholinesterase activity sensing. Sensors and Actuators B: Chemical, 2020, 313, 128023.	7.8	75

#	Article	IF	Citations
19	A novel fluorescence biosensor for sensitivity detection of tyrosinase and acid phosphatase based on nitrogen-doped graphene quantum dots. Analytica Chimica Acta, 2018, 997, 52-59.	5.4	71
20	Selective detection of parathion-methyl based on near-infrared CuInS2 quantum dots. Food Chemistry, 2015, 173, 179-184.	8.2	70
21	A novel signal-off electrochemiluminescence biosensor for the determination of glucose based on double nanoparticles. Biosensors and Bioelectronics, 2015, 63, 519-524.	10.1	69
22	A novel aptamer functionalized CuInS2 quantum dots probe for daunorubicin sensing and near infrared imaging of prostate cancer cells. Analytica Chimica Acta, 2014, 818, 54-60.	5.4	67
23	A novel fluorescence probing strategy for the determination of parathion-methyl. Talanta, 2015, 131, 88-94.	5.5	67
24	A novel high efficient electrochemiluminescence sensor based on reductive Cu(I) particles catalyzed Zn-doped MoS2 QDs for HPV 16 DNA determination. Biosensors and Bioelectronics, 2020, 160, 112217.	10.1	65
25	Multiplex electrochemiluminescence DNA sensor for determination of hepatitis B virus and hepatitis C virus based on multicolor quantum dots and Au nanoparticles. Analytica Chimica Acta, 2016, 916, 92-101.	5.4	62
26	A simple and convenient fluorescent strategy for the highly sensitive detection of dopamine and ascorbic acid based on graphene quantum dots. Talanta, 2018, 189, 190-195.	5.5	62
27	A novel and convenient near-infrared fluorescence â€œturn offâ€“onâ€•nanosensor for detection of glucose and fluoride anions. Biosensors and Bioelectronics, 2015, 65, 145-151.	10.1	61
28	Fluorescence turn-off-on probe based on polypyrrole/graphene quantum composites for selective and sensitive detection of paracetamol and ascorbic acid. Biosensors and Bioelectronics, 2017, 98, 222-226.	10.1	59
29	A novel fluorescent DNA sensor for ultrasensitive detection of Helicobacter pylori. Biosensors and Bioelectronics, 2017, 87, 66-72.	10.1	59
30	Peroxidase-like activity of Feâ€“Nâ€“C single-atom nanozyme based colorimetric detection of galactose. Analytica Chimica Acta, 2020, 1128, 72-79.	5.4	58
31	Fabrication of Bioresource-Derived Porous Carbon-Supported Iron as an Efficient Oxidase Mimic for Dual-Channel Biosensing. Analytical Chemistry, 2021, 93, 3130-3137.	6.5	54
32	A novel optical nanoprobe for trypsin detection and inhibitor screening based on Mn-doped ZnSe quantum dots. Analytica Chimica Acta, 2012, 743, 131-136.	5.4	52
33	The synthesis and application of Iâ€“IIIâ€“VI type quantum dots. RSC Advances, 2014, 4, 43415-43428.	3.6	52
34	Label-free detection of exonuclease III by using dsDNAâ€“templated copper nanoparticles as fluorescent probe. Talanta, 2015, 131, 59-63.	5.5	52
35	Dual modification of starch nanocrystals via crosslinking and esterification for enhancing their hydrophobicity. Food Research International, 2016, 87, 180-188.	6.2	52
36	Fluorescence detection of Pb2+ based on the DNA sequence functionalized CdS quantum dots. Biosensors and Bioelectronics, 2014, 58, 17-21.	10.1	48

#	Article	IF	Citations
37	A novel enzyme-mimic nanosensor based on quantum dot-Au nanoparticle@silica mesoporous microsphere for the detection of glucose. Analytica Chimica Acta, 2014, 840, 68-74.	5.4	48
38	Developments in pesticide analysis by multi-analyte immunoassays: a review. Analytical Methods, 2014, 6, 3543.	2.7	48
39	Biosensing platform for the detection of uric acid based on graphene quantum dots and G-quadruplex/hemin DNAzyme. Analytica Chimica Acta, 2017, 965, 96-102.	5.4	48
40	DNA-hosted copper nanoclusters/graphene oxide based fluorescent biosensor for protein kinase activity detection. Analytica Chimica Acta, 2018, 1012, 66-73.	5.4	48
41	UiO-66-NH2 MOF-based ratiometric fluorescent probe for the detection of dopamine and reduced glutathione. Talanta, 2020, 220, 121352.	5.5	47
42	A novel ultrasensitive carboxymethyl chitosan-quantum dot-based fluorescence â€œturn onâ€“offâ€• nanosensor for lysozyme detection. Biosensors and Bioelectronics, 2014, 61, 9-13.	10.1	46
43	Multi-positively charged dendrimeric nanoparticles induced fluorescence quenching of graphene quantum dots for heparin and chondroitin sulfate detection. Biosensors and Bioelectronics, 2015, 74, 284-290.	10.1	45
44	A fluorescence assay for the trace detection of protamine and heparin. RSC Advances, 2014, 4, 25857.	3.6	43
45	Dopamine functionalizedâ€“CdTe quantum dots as fluorescence probes for l-histidine detection in biological fluids. Talanta, 2014, 125, 221-226.	5.5	43
46	Determination of catecholamine in human serum by a fluorescent quenching method based on a water-soluble fluorescent conjugated polymerâ€“enzyme hybrid system. Analyst, The, 2012, 137, 1481.	3.5	42
47	A facile photoluminescence modulated nanosensor based on nitrogen-doped graphene quantum dots for sulfite detection. New Journal of Chemistry, 2015, 39, 8114-8120.	2.8	42
48	A novel fluorescence â€œturn offâ^'onâ€•nanosensor for sensitivity detection acid phosphatase and inhibitor based on glutathione-functionalized graphene quantum dots. Talanta, 2019, 192, 61-68.	5.5	42
49	A novel label-free fluorescent sensor for highly sensitive detection of bleomycin based on nitrogen-doped graphene quantum dots. Analytica Chimica Acta, 2018, 1028, 45-49.	5.4	41
50	Self-assembled dual-emissive nanoprobe with metalâ^'organic frameworks as scaffolds for enhanced ascorbic acid and ascorbate oxidase sensing. Sensors and Actuators B: Chemical, 2021, 339, 129910.	7.8	40
51	A label-free conjugated polymer-based fluorescence assay for the determination of adenosine triphosphate and alkaline phosphatase. New Journal of Chemistry, 2014, 38, 4574-4579.	2.8	38
52	Multifunctional Fe₃O₄â€“CdTe@SiO₂â€“carboxymethyl chitosan drug nanocarriers: synergistic effect towards magnetic targeted drug delivery and cell imaging. New Journal of Chemistry, 2014, 38, 700-708.	2.8	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. Mikrochimica Acta, 2017, 184, 1463-1470.	5.0	37
54	A molybdenum disulfide quantum dots-based ratiometric fluorescence strategy for sensitive detection of epinephrine and ascorbic acid. Analytica Chimica Acta, 2019, 1089, 123-130.	5.4	36

#	Article	IF	Citations
55	Near-infrared fluorescence nanoprobe for enzyme-substrate system sensing and in vitro imaging. Biosensors and Bioelectronics, 2016, 79, 922-929.	10.1	35
56	Determination of copper(ii) and cadmium(ii) based on ternary CuInS2 quantum dots. Analytical Methods, 2012, 4, 1365.	2.7	34
57	CuInS₂quantum dots@silica near-infrared fluorescent nanoprobe for cell imaging. New Journal of Chemistry, 2014, 38, 90-96.	2.8	34
58	Determination of arsenic(<scp>iii</scp>) based on the fluorescence resonance energy transfer between CdTe QDs and Rhodamine 6G. RSC Advances, 2015, 5, 17519-17525.	3.6	34
59	Size dependent active effect of CdTe quantum dots on pyrogallol-H2O2 chemiluminescence system for chromium(III) detection. Mikrochimica Acta, 2010, 169, 167-172.	5.0	32
60	Fluorescence detection of adenosine-5â€²-triphosphate and alkaline phosphatase based on the generation of CdS quantum dots. Analytica Chimica Acta, 2014, 827, 103-110.	5.4	32
61	Highly sensitive detection of acid phosphatase by using a graphene quantum dots-based fÃ¶rster resonance energy transfer. Talanta, 2016, 161, 469-475.	5.5	32
62	A convenient and label-free fluorescence â€œturn offâ€“onâ€•nanosensor with high sensitivity and selectivity for acid phosphatase. Analytica Chimica Acta, 2015, 876, 83-90.	5.4	31
63	Sensitive fluorescence detection of ATP based on host-guest recognition between near-infrared Î²-Cyclodextrin-CuInS2 QDs and aptamer. Talanta, 2017, 165, 194-200.	5.5	31
64	A novel aptamer-mediated CuInS₂quantum dots@graphene oxide nanocomposites-based fluorescence â€œturn offâ€“onâ€•nanosensor for highly sensitive and selective detection of kanamycin. RSC Advances, 2016, 6, 10205-10214.	3.6	30
65	Dopamine functionalized CuInS2 quantum dots as a fluorescence probe for urea. Sensors and Actuators B: Chemical, 2014, 191, 246-251.	7.8	29
66	A highly sensitive dual-readout assay based on gold nanoclusters for folic acid detection. Mikrochimica Acta, 2015, 182, 1281-1288.	5.0	29
67	MXene-Derived Quantum Dot@Gold Nanobones Heterostructure-Based Electrochemiluminescence Sensor for Triple-Negative Breast Cancer Diagnosis. Analytical Chemistry, 2021, 93, 17086-17093.	6.5	29
68	Detection of bisphenol A in food packaging based on fluorescent conjugated polymer PPESO3 and enzyme system. Food Chemistry, 2015, 185, 233-238.	8.2	28
69	Label-free aptamer biosensor for selective detection of thrombin. Analytica Chimica Acta, 2015, 899, 85-90.	5.4	28
70	A novel fluorescence strategy for mercury ion and trypsin activity assay based on nitrogen-doped graphene quantum dots. New Journal of Chemistry, 2018, 42, 17083-17090.	2.8	28
71	Ultrasensitive detection alkaline phosphatase activity using 3-aminophenylboronic acid functionalized gold nanoclusters. Sensors and Actuators B: Chemical, 2019, 281, 175-181.	7.8	28
72	Ag-Ion-Modified Au Nanoclusters for Fluorometric Analysis of Alkaline Phosphatase. ACS Applied Nano Materials, 2020, 3, 6034-6042.	5.0	28

#	Article	IF	Citations
73	Feâ€“Nâ€“C single-atom nanozymes with peroxidase-like activity for the detection of alkaline phosphatase. Analyst, The, 2021, 146, 896-903.	3.5	28
74	Nanozyme-Based Detection of Alkaline Phosphatase. ACS Applied Nano Materials, 2021, 4, 7888-7896.	5.0	28
75	WS2 quantum dots as a sensitive fluorescence probe for the detection of glucose. Journal of Luminescence, 2019, 207, 491-496.	3.1	27
76	A novel fluorescent probe for adenosine 5â€²-triphosphate detection based on Zn2+-modulated l-cysteine capped CdTe quantum dots. Sensors and Actuators B: Chemical, 2015, 220, 433-440.	7.8	26
77	Ratio fluorescence analysis of T4 polynucleotide kinase activity based on the formation of a graphene quantum dotâ€“copper nanocluster nanohybrid. Nanoscale, 2019, 11, 13903-13908.	5.6	26
78	A label-free fluorescent sensor based on silicon quantum dotsâ€“MnO₂ nanosheets for the detection of Î±-glucosidase and its inhibitor. Analyst, The, 2019, 144, 7398-7405.	3.5	26
79	Cascade reaction biosensor based on Cu/N co-doped two-dimensional carbon-based nanozyme for the detection of lactose and Î²-galactosidase. Talanta, 2022, 245, 123451.	5.5	26
80	Fluorometric detection of tyrosine and cysteine using graphene quantum dots. RSC Advances, 2016, 6, 33197-33204.	3.6	25
81	A novel fluorimetric sensing strategy for highly sensitive detection of phytic acid and hydrogen peroxide. Analytica Chimica Acta, 2018, 1039, 74-81.	5.4	25
82	Ratiometric fluorescence system for pH sensing and urea detection based on MoS2 quantum dots and 2, 3-diaminophenazine. Analytica Chimica Acta, 2019, 1077, 200-207.	5.4	25
83	A label-free fluorescence biosensor for highly sensitive detection of lectin based on carboxymethyl chitosan-quantum dots and gold nanoparticles. Analytica Chimica Acta, 2016, 932, 88-97.	5.4	24
84	Copper nanoclusters/polydopamine nanospheres based fluorescence aptasensor for protein kinase activity determination. Analytica Chimica Acta, 2018, 1035, 184-191.	5.4	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. New Journal of Chemistry, 2020, 44, 2350-2356.	2.8	23
86	A biosensing platform for sensitive detection of concanavalin A based on fluorescence resonance energy transfer from CdTe quantum dots to graphene oxide. New Journal of Chemistry, 2015, 39, 6092-6098.	2.8	22
87	A label-free fluorescent biosensor for the detection of protein kinase activity based on gold nanoclusters/graphene oxide hybrid materials. Analytica Chimica Acta, 2018, 1013, 71-78.	5.4	22
88	A ratiometric fluorescent biosensor for the sensitive determination of Î±-glucosidase activity and acarbose based on N-doped carbon dots. Analyst, The, 2020, 145, 5808-5815.	3.5	22
89	Novel coreactant modifier-based amplified electrochemiluminescence sensing method for point-of-care diagnostics of galactose. Biosensors and Bioelectronics, 2019, 138, 111318.	10.1	21
90	Fe3O4 NP@ZIF-8/MoS2 QD-based electrochemiluminescence with nanosurface energy transfer strategy for point-of-care determination of ATP. Analytica Chimica Acta, 2020, 1127, 190-197.	5.4	21

#	Article	IF	Citations
91	Fabrication of New Magnetic Nanoparticles (Fe₃O₄) Grafted Multiwall Carbon Nanotubes and Heterocyclic Compound Modified Electrode for Electrochemical Sensor. Electroanalysis, 2010, 22, 433-438.	2.9	20
92	An enzymatic ratiometric fluorescence assay for 6-mercaptopurine by using MoS2 quantum dots. Mikrochimica Acta, 2018, 185, 540.	5.0	20
93	Fluorometric determination and intracellular imaging of cysteine by using glutathione capped gold nanoclusters and cerium(III) induced aggregation. Mikrochimica Acta, 2019, 186, 327.	5.0	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. Molecules, 2019, 24, 778.	3.8	20
95	A fluorescence â€œoffâ€“onâ€“offâ€•sensing platform based on bimetallic gold/silver nanoclusters for ascorbate oxidase activity monitoring. Analyst, The, 2020, 145, 1001-1007.	3.5	20
96	Redox reaction-modulated fluorescence biosensor for ascorbic acid oxidase assay by using MoS2 quantum dots as fluorescence probe. Talanta, 2021, 222, 121522.	5.5	20
97	Silicon quantum dots based dual-mode fluorometric and colorimetric sensing of D-penicillamine. Talanta, 2021, 224, 121886.	5.5	20
98	High sensitive ratiometric fluorescence analysis of trypsin and dithiothreitol based on WS2 QDs. Talanta, 2020, 219, 121171.	5.5	20
99	Highly sensitive and selective detection of phosphate using novel highly photoluminescent water-soluble Mn-doped ZnTe/ZnSe quantum dots. Talanta, 2015, 144, 680-685.	5.5	19
100	A label-free and sensitive fluorescent assay for one step detection of protein kinase activity and inhibition. Analytica Chimica Acta, 2016, 935, 224-230.	5.4	19
101	A fluorometric sensing method for sensitive detection of trypsin and its inhibitor based on gold nanoclusters and gold nanoparticles. Analytical and Bioanalytical Chemistry, 2018, 410, 6891-6900.	3.7	19
102	Î²-Cyclodextrin modified silver nanoclusters for highly sensitive fluorescence sensing and bioimaging of intracellular alkaline phosphatase. Talanta, 2020, 207, 120315.	5.5	19
103	The synthesis and application of doped semiconductor nanocrystals. Analytical Methods, 2013, 5, 4541.	2.7	18
104	Sensitive detection of acid phosphatase based on graphene quantum dots nanoassembly. Analyst, The, 2016, 141, 4926-4932.	3.5	18
105	Copper nanoclusters capped with tannic acid as a fluorescent probe for real-time determination of the activity of pyrophosphatase. Mikrochimica Acta, 2018, 185, 182.	5.0	18
106	Rapid synthesis of dual proteins co-functionalized gold nanoclusters for ratiometric fluorescence sensing of polynucleotide kinase activity. Sensors and Actuators B: Chemical, 2021, 329, 129200.	7.8	18
107	Highly sensitive detection of 2,4,6-trinitrophenol (TNP) based on lysozyme capped CdS quantum dots. RSC Advances, 2015, 5, 51428-51434.	3.6	17
108	A novel magnetic/photoluminescence bifunctional nanohybrid for the determination of trypsin. Talanta, 2017, 170, 286-290.	5.5	17

#	Article	IF	Citations
109	Determination of ascorbic acid and ascorbate oxidase based on quaternary CuInZnS QDs/thiochrome ratiometric fluorescence sensing system. Talanta, 2020, 214, 120814.	5.5	17
110	Constructing bifunctional metalâ€“organic framework based nanozymes with fluorescence and oxidase activity for the dual-channel detection of butyrylcholinesterase. Analytica Chimica Acta, 2022, 1205, 339717.	5.4	17
111	Lysozyme-Functionalized 5-Methyl-2-thiouracil Gold/Silver Nanoclusters for Luminescence Assay of Alkaline Phosphatase. ACS Applied Nano Materials, 2021, 4, 9265-9273.	5.0	16
112	Heparin-enhanced peroxidase-like activity of iron-cobalt oxide nanosheets for sensitive colorimetric detection of trypsin. Mikrochimica Acta, 2022, 189, 135.	5.0	16
113	Sensitive fluorometric detection of alkaline phosphatase using a water-soluble conjugated polymer. RSC Advances, 2014, 4, 42825-42830.	3.6	15
114	A near-infrared turn-on fluorescent nanosensor for zinc(II) based on CuInS2 quantum dots modified with 8-aminoquinoline. Mikrochimica Acta, 2014, 181, 1385-1391.	5.0	15
115	Ultrasensitive detection of amifostine and alkaline phosphatase based on the growth of CdS quantum dots. Talanta, 2015, 144, 1059-1064.	5.5	15
116	Optical choline sensor based on a water-soluble fluorescent conjugated polymer and an enzyme-coupled assay. Mikrochimica Acta, 2013, 180, 1135-1140.	5.0	14
117	One-pot synthesis of strongly fluorescent DNA-CuInS2 quantum dots for label-free and ultrasensitive detection of anthrax lethal factor DNA. Analytica Chimica Acta, 2016, 942, 86-95.	5.4	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. Sensors and Actuators B: Chemical, 2021, 326, 128847.	7.8	14
119	A near-infrared fluorescent bioassay for thrombin using aptamer-modified CuInS2 quantum dots. Mikrochimica Acta, 2015, 182, 1933-1939.	5.0	13
120	A pH-responsive fluorometric and colorimetric system based on silicon quantum dots and 4-nitrophenol for urease activity detection. Talanta, 2022, 237, 122956.	5.5	13
121	Novel aqueous synthesis methods for ZnTe/ZnSe and Mn²⁺-doped ZnTe/ZnSe Type-II core/shell quantum dots. RSC Advances, 2015, 5, 6271-6278.	3.6	12
122	<scp>l</scp>-Cysteine-capped CdTe quantum dots as a fluorescent probe for sequential detection of lysozyme and trypsin. New Journal of Chemistry, 2017, 41, 4138-4144.	2.8	12
123	Gold nanocluster-based fluorescent assay for label-free detection of protein kinase and its inhibitors. Mikrochimica Acta, 2017, 184, 3381-3387.	5.0	12
124	Split aptamer based sensing platform for adenosine deaminase detection by fluorescence resonance energy transfer. Talanta, 2019, 198, 1-7.	5.5	12
125	One-pot synthesis of stable water soluble Mn:ZnSe/ZnS core/shell quantum dots. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	11
126	A label-free fluorescence nanosensor for the determination of adrenaline based on graphene quantum dots. Analytical Methods, 2017, 9, 4434-4438.	2.7	11

#	Article	IF	Citations
127	Convenient Method for Enhancing Hydrophobicity and Dispersibility of Starch Nanocrystals by Crosslinking Modification with Citric Acid. International Journal of Food Engineering, 2018, 14, .	1.5	11
128	Aptamer based lysozyme assay using fluorescent CuInS2 quantum dots and graphene oxide, and its application to inhibitor screening. Mikrochimica Acta, 2016, 183, 2907-2916.	5.0	10
129	Ratiometric fluorescence strategy for p53 gene assay by using nitrogen doped graphene quantum dots and berberine as fluorescence reporters. Analytica Chimica Acta, 2019, 1084, 78-84.	5.4	10
130	Sodium hexametaphosphate modulated fluorescence responsive biosensor based on self-assembly / disassembly mode of reduced-graphene quantum dots / chitosan system for alkaline phosphatase. Talanta, 2020, 207, 120341.	5.5	10
131	Rational Fabrication of a Smart Electrochemiluminescent Sensor: Synergistic Effect of a Self-Luminous Faraday Cage and Biomimetic Magnetic Vesicles. Analytical Chemistry, 2021, 93, 7508-7515.	6.5	10
132	A ratiometric fluorescence strategy based on polyethyleneimine surface-modified carbon dots and Eosin Y for the ultrasensitive determination of protamine and trypsin. Analyst, The, 2022, 147, 677-684.	3.5	10
133	Label-free and dual-mode biosensor for HPV DNA based on DNA/silver nanoclusters and G-quadruplex/hemin DNAzyme. Talanta, 2022, 247, 123554.	5.5	10
134	Design of a dual-signal sensing platform for <scp>d</scp>-penicillamine based on UiO-66-NH₂ MOFs and APBA@Alizarin Red. Analyst, The, 2021, 146, 5280-5286.	3.5	9
135	Constructing self-assembled nanohybrids for the ratiometric fluorescent sensing of acetylcholinesterase activity. Sensors and Actuators B: Chemical, 2021, 345, 130430.	7.8	9
136	A Flow-Injection Chemiluminescence Determination of Formaldehyde in Textiles. Spectroscopy Letters, 2010, 43, 84-90.	1.0	8
137	Turn-offâ€“on fluorescence probe based on 3-mercaptopropionic acid-capped CdS quantum dots for selective and sensitive lysozyme detection. RSC Advances, 2016, 6, 85795-85801.	3.6	8
138	A redox-modulated fluorescent strategy for the highly sensitive detection of metabolites by using graphene quantum dots. Analytica Chimica Acta, 2017, 990, 150-156.	5.4	8
139	A dual-signal fluorometric-colorimetric sensing platform and visual detection with a smartphone for the determination of Î²-galactosidase activity based on fluorescence silicon nanoparticles. Talanta, 2022, 240, 123165.	5.5	8
140	Albumin coated CuInS2 quantum dots as a near-infrared fluorescent probe for NADH, and their application to an assay for pyruvate. Mikrochimica Acta, 2014, 181, 339-345.	5.0	7
141	Highly sensitive fluorescent determination of sulfide using BSA-capped CdS quantum dots. New Journal of Chemistry, 2016, 40, 1872-1877.	2.8	7
142	Dual mode detection of amifostine based on gold nanoparticles and sulfanilic acid functionalized graphene quantum dots. New Journal of Chemistry, 2018, 42, 12126-12133.	2.8	7
143	An rGQD/chitosan nanocomposite-based pH-sensitive probe: application to sensing in urease activity assays. New Journal of Chemistry, 2019, 43, 13398-13407.	2.8	7
144	Highly Selective Solidâ€Phase Extraction of Pb(II) by Ionâ€Imprinted Superparamagnetic Mesoporous Silica. ChemistrySelect, 2019, 4, 259-264.	1.5	7

#	Article	IF	Citations
145	Construction of a Sensing Platform Based on DNA-Encoded Magnetic Beads and Copper Nanoclusters for Viral Gene Analysis with Target Recycling Amplification. ACS Applied Bio Materials, 2021, 4, 5669-5677.	4.6	7
146	A fluorometric assay for Î±-glucosidase activity based on quaternary AgInZnS QDs. Mikrochimica Acta, 2021, 188, 227.	5.0	6
147	Flow Injection Chemiluminescence Determination of EDTA in Canned Food. Analytical Letters, 2011, 44, 94-104.	1.8	5
148	A naked-eye pH-modulated ratiometric photoluminescence sensor based on dual-emission quantum dot@silica nanoparticles for Zn2+ and IO3â¯. RSC Advances, 2015, 5, 69251-69258.	3.6	5
149	Photovoltaic properties of titanium dioxide nanowires with different crystal structures. Chemical Research in Chinese Universities, 2016, 32, 661-664.	2.6	5
150	Turn-on fluorometric NADPH assay using orange emitting graphene oxide quantum dots. Mikrochimica Acta, 2017, 184, 4571-4578.	5.0	5
151	Novel formaldehyde sensor based on hydrogen peroxide /melamine modulated photoluminescence of nitrogen-doped graphene quantum dots. Journal Wuhan University of Technology, Materials Science Edition, 2017, 32, 1481-1486.	1.0	5
152	Fluorometric determination of the activity of alkaline phosphatase based on a system composed of WS2 quantum dots and MnO2 nanosheets. Mikrochimica Acta, 2019, 186, 839.	5.0	5
153	Nitrogen-doped graphene quantum dotâ€“based sensing platform for metabolite detection. Mikrochimica Acta, 2020, 187, 532.	5.0	5
154	Dual-Color Quantum Dotâ€“Encoded Nanoprobe for DNA Assays and Cell Imaging. Spectroscopy Letters, 2014, 47, 324-332.	1.0	4
155	Advances in the application of QD-based intracellular sensing systems. Applied Spectroscopy Reviews, 2016, 51, 162-181.	6.7	4
156	Development of carbon dot-thiochrome-based sensing system for ratiometric fluorescence detection of d-penicillamine. Analytical and Bioanalytical Chemistry, 2021, 413, 5779-5787.	3.7	4
157	Highly Sensitive Flow-Injection Chemiluminescence Detection of Carbonyl Compounds in Wine Samples. Analytical Letters, 2011, 44, 4-11.	1.8	3
158	Determination of trace amounts of chromium (VI) by flow injection analysis with chemiluminescence detection. International Journal of Environmental Analytical Chemistry, 2012, 92, 210-221.	3.3	2
159	A novel ratiometric dual-emission fluorescence magnetic nanohybrid for HIgG immunoassay. New Journal of Chemistry, 2016, 40, 6860-6866.	2.8	2