

Chuan Dong

List of Publications by Year in descending order

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285
papers

10,754
citations

25014

57
h-index

56687

83
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286
all docs

286
docs citations

286
times ranked

10084
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of nitrogen-doped carbon dots for Fe ³⁺ sensing and cellular imaging. <i>Analytica Chimica Acta</i> , 2015, 861, 74-84.	2.6	283
2	Phosphorus and Nitrogen Dual-Doped Hollow Carbon Dot as a Nanocarrier for Doxorubicin Delivery and Biological Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11288-11297.	4.0	252
3	Comparative study for N and S doped carbon dots: Synthesis, characterization and applications for Fe ³⁺ probe and cellular imaging. <i>Analytica Chimica Acta</i> , 2015, 898, 116-127.	2.6	208
4	An "on-off-on" fluorescent nanoprobe for recognition of chromium(VI) and ascorbic acid based on phosphorus/nitrogen dual-doped carbon quantum dot. <i>Analytica Chimica Acta</i> , 2017, 968, 85-96.	2.6	205
5	Highly Selective Two-Photon Fluorescent Probe for Ratiometric Sensing and Imaging Cysteine in Mitochondria. <i>Analytical Chemistry</i> , 2016, 88, 1908-1914.	3.2	184
6	Low temperature synthesis of phosphorous and nitrogen co-doped yellow fluorescent carbon dots for sensing and bioimaging. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6813-6819.	2.9	144
7	One-Step Synthesis of Label-Free Ratiometric Fluorescence Carbon Dots for the Detection of Silver Ions and Glutathione and Cellular Imaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16822-16829.	4.0	137
8	Effect of Ambient PM _{2.5} on Lung Mitochondrial Damage and Fusion/Fission Gene Expression in Rats. <i>Chemical Research in Toxicology</i> , 2015, 28, 408-418.	1.7	133
9	Mitochondrial damage: An important mechanism of ambient PM _{2.5} exposure-induced acute heart injury in rats. <i>Journal of Hazardous Materials</i> , 2015, 287, 392-401.	6.5	127
10	Bright Yellow Fluorescent Carbon Dots as a Multifunctional Sensing Platform for the Label-Free Detection of Fluoroquinolones and Histidine. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42915-42924.	4.0	121
11	Dual Photoluminescence Emission Carbon Dots for Ratiometric Fluorescent GSH Sensing and Cancer Cell Recognition. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18250-18257.	4.0	118
12	Electrochemical Sensor for Ultrasensitive Determination of Doxorubicin and Methotrexate Based on Cyclodextrin@Graphene Hybrid Nanosheets. <i>Electroanalysis</i> , 2011, 23, 2400-2407.	1.5	114
13	Strategy for Activating Room-Temperature Phosphorescence of Carbon Dots in Aqueous Environments. <i>Chemistry of Materials</i> , 2019, 31, 7979-7986.	3.2	112
14	Folic acid-conjugated carbon dots as green fluorescent probes based on cellular targeting imaging for recognizing cancer cells. <i>RSC Advances</i> , 2017, 7, 42159-42167.	1.7	111
15	Folic acid-conjugated green luminescent carbon dots as a nanoprobe for identifying folate receptor-positive cancer cells. <i>Talanta</i> , 2018, 183, 39-47.	2.9	110
16	Sensitive electrochemical sensor for nitrite ions based on rose-like AuNPs/MoS ₂ /graphene composite. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111529.	5.3	110
17	Facile synthesis of orange fluorescence carbon dots with excitation independent emission for pH sensing and cellular imaging. <i>Analytica Chimica Acta</i> , 2018, 1042, 125-132.	2.6	108
18	Ratiometric Emission Fluorescent pH Probe for Imaging of Living Cells in Extreme Acidity. <i>Analytical Chemistry</i> , 2015, 87, 2788-2793.	3.2	105

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19	Lipid Droplet-Specific Fluorescent Probe for <i>In Vivo</i> Visualization of Polarity in Fatty Liver, Inflammation, and Cancer Models. <i>Analytical Chemistry</i> , 2021, 93, 8019-8026.	3.2	105
20	Controllable synthesis of green and blue fluorescent carbon nanodots for pH and Cu ²⁺ sensing in living cells. <i>Biosensors and Bioelectronics</i> , 2016, 77, 598-602.	5.3	104
21	Naked oats-derived dual-emission carbon nanodots for ratiometric sensing and cellular imaging. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 533-541.	4.0	97
22	Carbon nano-dots as a fluorescent and colorimetric dual-readout probe for the detection of arginine and Cu ²⁺ and its logic gate operation. <i>Nanoscale</i> , 2017, 9, 11545-11552.	2.8	94
23	N,S,P Co-Doped Carbon Nanodot Fabricated from Waste Microorganism and Its Application for Label-Free Recognition of Manganese(VII) and Ascorbic Acid and AND Logic Gate Operation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38761-38772.	4.0	93
24	β-Cyclodextrin/Fe ₃ O ₄ hybrid magnetic nano-composite modified glassy carbon electrode for tryptophan sensing. <i>Sensors and Actuators B: Chemical</i> , 2012, 163, 171-178.	4.0	92
25	Red-green-blue fluorescent hollow carbon nanoparticles isolated from chromatographic fractions for cellular imaging. <i>Nanoscale</i> , 2014, 6, 8162.	2.8	89
26	Real-Time Monitoring Mitochondrial Viscosity during Mitophagy Using a Mitochondria-Immobilized Near-Infrared Aggregation-Induced Emission Probe. <i>Analytical Chemistry</i> , 2021, 93, 3241-3249.	3.2	87
27	Facile Synthesis of N-Doped Carbon Dots as a New Matrix for Detection of Hydroxy-Polycyclic Aromatic Hydrocarbons by Negative-Ion Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12976-12984.	4.0	86
28	Pollution characteristics of ambient PM _{2.5} -bound PAHs and NPAHs in a typical winter time period in Taiyuan. <i>Chinese Chemical Letters</i> , 2014, 25, 663-666.	4.8	84
29	Copper doped carbon dots as the multi-functional fluorescent sensing platform for tetracyclines and pH. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129360.	4.0	84
30	An exonuclease I-based label-free fluorometric aptasensor for adenosine triphosphate (ATP) detection with a wide concentration range. <i>Biosensors and Bioelectronics</i> , 2015, 63, 311-316.	5.3	83
31	Carbon dots with red emission as a fluorescent and colorimetric dual-readout probe for the detection of chromium(VI) and cysteine and its logic gate operation. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6099-6107.	2.9	83
32	Electrochemical detection of chloramphenicol using palladium nanoparticles decorated reduced graphene oxide. <i>Microchemical Journal</i> , 2019, 148, 774-783.	2.3	83
33	Highly luminescent N-doped carbon dots from black soya beans for free radical scavenging, Fe ³⁺ sensing and cellular imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 211, 363-372.	2.0	82
34	Novel far-visible and near-infrared pH probes based on styrylcyanine for imaging intracellular pH in live cells. <i>Chemical Communications</i> , 2012, 48, 11202.	2.2	81
35	Facile and eco-friendly synthesis of green fluorescent carbon nanodots for applications in bioimaging, patterning and staining. <i>Nanoscale</i> , 2015, 7, 7394-7401.	2.8	81
36	A novel far-visible and near-infrared pH probe for monitoring near-neutral physiological pH changes: imaging in live cells. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4281.	2.9	80

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37	Application of HPLC and MALDI-TOF MS for Studying As-Synthesized Ligand-Protected Gold Nanoclusters Products. <i>Analytical Chemistry</i> , 2009, 81, 1676-1685.	3.2	79
38	Facile preparation of bright orange fluorescent carbon dots and the constructed biosensing platform for the detection of pH in living cells. <i>Talanta</i> , 2018, 189, 8-15.	2.9	79
39	Red fluorescent carbon dots for tetracycline antibiotics and pH discrimination from aggregation-induced emission mechanism. <i>Sensors and Actuators B: Chemical</i> , 2021, 332, 129513.	4.0	79
40	Nitrogen and phosphorus dual-doped carbon dots as a label-free sensor for Curcumin determination in real sample and cellular imaging. <i>Talanta</i> , 2018, 183, 61-69.	2.9	77
41	Green and facile synthesis of nitrogen-doped carbon nanodots for multicolor cellular imaging and CO ₂ sensing in living cells. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 179-187.	4.0	76
42	3D graphene/hydroxypropyl- β -cyclodextrin nanocomposite as an electrochemical chiral sensor for the recognition of tryptophan enantiomers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12822-12829.	2.7	76
43	A lysosome-targeting and polarity-specific fluorescent probe for cancer diagnosis. <i>Chemical Communications</i> , 2019, 55, 4703-4706.	2.2	76
44	Green synthesis of carbon nanodots from cotton for multicolor imaging, patterning, and sensing. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 769-776.	4.0	74
45	Visible-Light-Excited Ultralong-Lifetime Room Temperature Phosphorescence Based on Nitrogen-Doped Carbon Dots for Double Anticounterfeiting. <i>Advanced Optical Materials</i> , 2020, 8, 1901557.	3.6	71
46	One step hydrothermal synthesis of carbon nanodots to realize the fluorescence detection of picric acid in real samples. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 580-588.	4.0	70
47	Matrix-Free and Highly Efficient Room-Temperature Phosphorescence of Nitrogen-Doped Carbon Dots. <i>Langmuir</i> , 2018, 34, 12845-12852.	1.6	69
48	Lysozyme-stabilized gold nanoclusters as a novel fluorescence probe for cyanide recognition. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 77-80.	2.0	68
49	High-quality water-soluble luminescent carbon dots for multicolor patterning, sensors, and bioimaging. <i>RSC Advances</i> , 2015, 5, 16972-16979.	1.7	68
50	Facile, rapid synthesis of N,P-dual-doped carbon dots as a label-free multifunctional nanosensor for Mn(VII) detection, temperature sensing and cellular imaging. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 492-501.	4.0	67
51	Excitation-independent yellow-fluorescent nitrogen-doped carbon nanodots for biological imaging and paper-based sensing. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 234-241.	4.0	66
52	FRET-based modified graphene quantum dots for direct trypsin quantification in urine. <i>Analytica Chimica Acta</i> , 2016, 917, 64-70.	2.6	64
53	S-Nitrosothiols: chemistry and reactions. <i>Chemical Communications</i> , 2017, 53, 11266-11277.	2.2	63
54	Porphyrin functionalized graphene nanosheets-based electrochemical aptasensor for label-free ATP detection. <i>Journal of Materials Chemistry</i> , 2012, 22, 23900.	6.7	62

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55	<i>p</i> -Phenylenediamine Antioxidants in PM _{2.5} : The Underestimated Urban Air Pollutants. <i>Environmental Science & Technology</i> , 2022, 56, 6914-6921.	4.6	61
56	A simple Schiff base fluorescence probe for highly sensitive and selective detection of Hg ²⁺ and Cu ²⁺ . <i>Talanta</i> , 2016, 154, 278-283.	2.9	60
57	Orange-emitting N-doped carbon dots as fluorescent and colorimetric dual-mode probes for nitrite detection and cellular imaging. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2123-2127.	2.9	59
58	Nitrogen-doped carbon dots as fluorescent probe for detection of curcumin based on the inner filter effect. <i>RSC Advances</i> , 2015, 5, 95054-95060.	1.7	57
59	β-Cyclodextrin functionalized Mn-doped ZnS quantum dots for the chiral sensing of tryptophan enantiomers. <i>Polymer Chemistry</i> , 2015, 6, 591-598.	1.9	57
60	β-Cyclodextrin-Hyaluronic Acid Polymer Functionalized Magnetic Graphene Oxide Nanocomposites for Targeted Photo-Chemotherapy of Tumor Cells. <i>Polymers</i> , 2019, 11, 133.	2.0	57
61	An indole-carbazole-based ratiometric emission pH fluorescent probe for imaging extreme acidity. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 1069-1076.	4.0	53
62	Synthesis and Characterization of <i>n</i> -Alkylamine-Stabilized Palladium Nanoparticles for Electrochemical Oxidation of Methane. <i>Journal of Physical Chemistry C</i> , 2010, 114, 723-733.	1.5	52
63	Colorimetric sensor for cysteine in human urine based on novel gold nanoparticles. <i>Talanta</i> , 2016, 161, 520-527.	2.9	52
64	An anthraquinone-based highly selective colorimetric and fluorometric sensor for sequential detection of Cu ²⁺ and S ²⁻ with intracellular application. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8957-8966.	2.9	52
65	Eco-friendly synthesis of nitrogen-doped carbon nanodots from wool for multicolor cell imaging, patterning, and biosensing. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 316-324.	4.0	51
66	A two-photon ratiometric fluorescent probe for effective monitoring of lysosomal pH in live cells and cancer tissues. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 913-921.	4.0	51
67	A Golgi-targeted off-on fluorescent probe for real-time monitoring of pH changes <i>in vivo</i> . <i>Chemical Communications</i> , 2019, 55, 6685-6688.	2.2	51
68	A phenolphthalein-based fluorescent probe for the sequential sensing of Al ³⁺ and F ⁻ ions in aqueous medium and live cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 208, 131-139.	2.0	50
69	Novel Processing for Color-Tunable Luminescence Carbon Dots and Their Advantages in Biological Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8585-8592.	3.2	49
70	Rational synthesis of graphene-metal coordination polymer composite nanosheet as enhanced materials for electrochemical biosensing. <i>Journal of Materials Chemistry</i> , 2012, 22, 13166.	6.7	48
71	Thiazole-based ratiometric fluorescence pH probe with large Stokes shift for intracellular imaging. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 566-573.	4.0	48
72	Gold nanoclusters as fluorescent sensors for selective and sensitive hydrogen sulfide detection. <i>Talanta</i> , 2017, 171, 143-151.	2.9	48

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73	Simultaneous electrochemical sensing of serotonin, dopamine and ascorbic acid by using a nanocomposite prepared from reduced graphene oxide, Fe ₃ O ₄ and hydroxypropyl- β -cyclodextrin. <i>Mikrochimica Acta</i> , 2019, 186, 751.	2.5	48
74	Multi-sensing function integrated nitrogen-doped fluorescent carbon dots as the platform toward multi-mode detection and bioimaging. <i>Talanta</i> , 2020, 210, 120653.	2.9	47
75	An efficient turn-on fluorescence biosensor for the detection of glutathione based on FRET between N,S dual-doped carbon dots and gold nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6687-6695.	1.9	46
76	Ratiometric fluorescent sensors for sequential on-off-on determination of riboflavin, Ag ⁺ and l-cysteine based on NPCl-doped carbon quantum dots. <i>Analytica Chimica Acta</i> , 2021, 1144, 1-13.	2.6	44
77	A colorimetric and ratiometric fluorescent probe for cyanide sensing in aqueous media and live cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4620-4629.	2.9	43
78	A two-photon ratiometric fluorescent probe for highly selective sensing of mitochondrial cysteine in live cells. <i>Analyst, The</i> , 2019, 144, 439-447.	1.7	43
79	Dual role of BSA for synthesis of MnO ₂ nanoparticles and their mediated fluorescent turn-on probe for glutathione determination and cancer cell recognition. <i>Analyst, The</i> , 2019, 144, 1988-1994.	1.7	43
80	Carbon-based dots co-doped with nitrogen and sulfur for Cr(^{vi}) sensing and bioimaging. <i>RSC Advances</i> , 2016, 6, 28477-28483.	1.7	42
81	Bright-green-emissive nitrogen-doped carbon dots as a nanoprobe for bifunctional sensing, its logic gate operation and cellular imaging. <i>Talanta</i> , 2018, 179, 554-562.	2.9	40
82	Mn-doped ZnS quantum dots with a 3-mercaptopropionic acid assembly as a ratiometric fluorescence probe for the determination of curcumin. <i>RSC Advances</i> , 2015, 5, 21504-21510.	1.7	39
83	Effective adsorption of phenolic pollutants from water using β -cyclodextrin polymer functionalized Fe ₃ O ₄ magnetic nanoparticles. <i>RSC Advances</i> , 2016, 6, 80955-80963.	1.7	39
84	Visual monitoring of the lysosomal pH changes during autophagy with a red-emission fluorescent probe. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1466-1471.	2.9	39
85	Rapid synthesis of multifunctional carbon nanodots as effective antioxidants, antibacterial agents, and quercetin nanoprobos. <i>Talanta</i> , 2020, 206, 120243.	2.9	38
86	Rapid and Specific Imaging of Extracellular Signaling Molecule Adenosine Triphosphate with a Self-Phosphorylating DNAzyme. <i>Journal of the American Chemical Society</i> , 2021, 143, 15084-15090.	6.6	38
87	Graphene quantum dots wrapped square-plate-like MnO ₂ nanocomposite as a fluorescent turn-on sensor for glutathione. <i>Talanta</i> , 2020, 219, 121180.	2.9	38
88	Intelligently design primary aromatic amines derived carbon dots for optical dual-mode and smartphone imaging detection of nitrite based on specific diazo coupling. <i>Journal of Hazardous Materials</i> , 2022, 430, 128393.	6.5	38
89	Determination of protein, fat, starch, and amino acids in foxtail millet [<i>Setaria italica</i> (L.) Beauv.] by Fourier transform near-infrared reflectance spectroscopy. <i>Food Science and Biotechnology</i> , 2013, 22, 1495-1500.	1.2	37
90	Label-free aptasensor for thrombin using a glassy carbon electrode modified with a graphene-porphyrin composite. <i>Mikrochimica Acta</i> , 2014, 181, 189-196.	2.5	37

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91	Î ² -Cyclodextrin modified graphene oxideâ€“magnetic nanocomposite for targeted delivery and pH-sensitive release of stereoisomeric anti-cancer drugs. RSC Advances, 2015, 5, 89299-89308.	1.7	36
92	Facile synthesis of iron phthalocyanine functionalized N,Bâ€“doped reduced graphene oxide nanocomposites and sensitive electrochemical detection for glutathione. Sensors and Actuators B: Chemical, 2019, 297, 126756.	4.0	36
93	Fe ³⁺ and intracellular pH determination based on orange fluorescence carbon dots co-doped with boron, nitrogen and sulfur. Materials Science and Engineering C, 2021, 118, 111478.	3.8	36
94	Facile synthesis of multifunctional carbon dots with 54.4% orange emission for label-free detection of morin and endogenous/exogenous hypochlorite. Journal of Hazardous Materials, 2022, 424, 127289.	6.5	36
95	Beyond Substituted <i>p</i> -Phenylenediamine Antioxidants: Prevalence of Their Quinone Derivatives in PM _{2.5} . Environmental Science & Technology, 2022, 56, 10629-10637.	4.6	36
96	One-step synthesis of a dual-emitting carbon dot-based ratiometric fluorescent probe for the visual assay of Pb ²⁺ and PPI and development of a paper sensor. Journal of Materials Chemistry B, 2019, 7, 5502-5509.	2.9	35
97	Construction of CPs@MnO ₂ â€“AgNPs as a multifunctional nanosensor for glutathione sensing and cancer theranostics. Nanoscale, 2019, 11, 18845-18853.	2.8	35
98	Facile synthesis of ratiometric fluorescent carbon dots for pH visual sensing and cellular imaging. Talanta, 2020, 216, 120943.	2.9	35
99	Visible-light-driven photoelectrochemical sensing platform based on BiOI nanoflowers/TiO ₂ nanotubes for detection of atrazine in environmental samples. Journal of Hazardous Materials, 2021, 409, 124894.	6.5	35
100	Colorimetric detection of riboflavin by silver nanoparticles capped with Î ² -cyclodextrin-grafted citrate. Colloids and Surfaces B: Biointerfaces, 2016, 148, 66-72.	2.5	34
101	Comparative study of Cl,N-Cdots and N-Cdots and application for trinitrophenol and ClO [•] sensor and cell-imaging. Analytica Chimica Acta, 2019, 1091, 76-87.	2.6	34
102	A highly efficient chiral sensing platform for tryptophan isomers based on a coordination self-assembly. Talanta, 2019, 195, 306-312.	2.9	34
103	An anthraquinone-imidazole-based colorimetric and fluorescent sensor for the sequential detection of Ag ⁺ and biothiols in living cells. Analyst, The, 2020, 145, 3029-3037.	1.7	34
104	A Mitochondria-Specific Orange/Near-Infrared-Emissive Fluorescent Probe for Dual-Imaging of Viscosity and H ₂ O ₂ in Inflammation and Tumor Models. Chinese Journal of Chemistry, 2021, 39, 1303-1309.	2.6	34
105	High-performance liquid chromatographic and mass spectrometric analysis of fluorescent carbon nanodots. Talanta, 2014, 129, 529-538.	2.9	33
106	Label-free and highly selective electrochemical aptasensor for detection of PCBs based on nickel hexacyanoferrate nanoparticles/reduced graphene oxides hybrids. Biosensors and Bioelectronics, 2019, 145, 111728.	5.3	33
107	A label-free nano-probe for sequential and quantitative determination of Cr(VI) and ascorbic acid in real samples based on S and N dual-doped carbon dots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 215, 58-68.	2.0	33
108	Electrocatalytic oxidation of formaldehyde and methanol on Ni(OH) ₂ /Ni electrode. Russian Journal of Electrochemistry, 2013, 49, 888-894.	0.3	32

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109	A reversible fluorescent pH-sensing system based on the one-pot synthesis of natural silk fibroin-capped copper nanoclusters. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3540-3545.	2.7	32
110	Carbon-supported X-manganate (X Ni, Zn, and Cu) nanocomposites for sensitive electrochemical detection of trace heavy metal ions. <i>Journal of Hazardous Materials</i> , 2022, 435, 129036.	6.5	32
111	Targeted delivery and pH-responsive release of stereoisomeric anti-cancer drugs using β -cyclodextrin assembled Fe ₃ O ₄ nanoparticles. <i>Applied Surface Science</i> , 2015, 357, 2077-2086.	3.1	31
112	Development of a Room Temperature SAW Methane Gas Sensor Incorporating a Supramolecular Cryptophane A Coating. <i>Sensors</i> , 2016, 16, 73.	2.1	31
113	A lysozyme-stabilized silver nanocluster fluorescent probe for the detection of sulfide ions. <i>Analytical Methods</i> , 2016, 8, 4328-4333.	1.3	31
114	A naphthalene-based fluorescent probe with a large Stokes shift for mitochondrial pH imaging. <i>Analyst</i> , 2018, 143, 5054-5060.	1.7	31
115	Concentration-dependent multicolor fluorescent carbon dots for colorimetric and fluorescent bimodal detections of Fe ³⁺ and ascorbic acid. <i>Analytical Methods</i> , 2019, 11, 669-676.	1.3	31
116	Design of a facile and label-free electrochemical aptasensor for detection of atrazine. <i>Talanta</i> , 2019, 201, 156-164.	2.9	31
117	A far-red FRET fluorescent probe for ratiometric detection of l-cysteine based on carbon dots and N-acetyl-l-cysteine-capped gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 213, 90-96.	2.0	31
118	Label-free fluorescent aptasensor for potassium ion using structure-switching aptamers and berberine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1635-1641.	2.0	29
119	Green-fluorescent nitrogen-doped carbon nanodots for biological imaging and paper-based sensing. <i>Analytical Methods</i> , 2017, 9, 2197-2204.	1.3	29
120	Folate targeting and bovine serum albumin-gated mesoporous silica nanoparticles as a redox-responsive carrier for epirubicin release. <i>New Journal of Chemistry</i> , 2019, 43, 2694-2701.	1.4	29
121	On-off-on-detection of Fe ³⁺ and Fe ²⁺ , biological imaging, and its logic gate operation based on excitation-independent blue-fluorescent carbon dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 227, 117716.	2.0	29
122	A label-free multifunctional nanosensor based on N-doped carbon nanodots for vitamin B ₁₂ and Co ²⁺ detection, and bioimaging in living cells and zebrafish. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5089-5095.	2.9	29
123	Azithromycin detection in cells and tablets by N,S co-doped carbon quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 252, 119506.	2.0	29
124	Facile synthesis of orange fluorescence multifunctional carbon dots for label-free detection of vitamin B12 and endogenous/exogenous peroxynitrite. <i>Journal of Hazardous Materials</i> , 2021, 408, 124422.	6.5	28
125	Real-time tracking the mitochondrial membrane potential by a mitochondria-lysosomes migration fluorescent probe with NIR-emissive AIE characteristics. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128929.	4.0	28
126	Carbon Nanodots as a Multifunctional Fluorescent Sensing Platform for Ratiometric Determination of Vitamin B ₂ and Turn-Off Detection of pH. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 2836-2844.	2.4	28

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127	Tricolor emission carbon dots for label-free ratiometric fluorescent and colorimetric recognition of Al ³⁺ and pyrophosphate ion and cellular imaging. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130375.	4.0	28
128	Gadolinium-doped carbon dots as a ratiometric fluorometry and colorimetry dual-mode nano-sensor based on specific chelation for morin detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 130991.	4.0	28
129	A selectively fluorescein-based colorimetric probe for detecting copper(II) ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 122, 731-736.	2.0	27
130	A novel fluorescein-based colorimetric probe for Cu ²⁺ detection. <i>RSC Advances</i> , 2016, 6, 59677-59683.	1.7	27
131	Effects of ambient PM _{2.5} and 9-nitroanthracene on DNA damage and repair, oxidative stress and metabolic enzymes in the lungs of rats. <i>Toxicology Research</i> , 2017, 6, 654-663.	0.9	27
132	Synthesis of neutral red covalently functionalized graphene nanocomposite and the electrocatalytic properties toward uric acid. <i>Journal of Materials Chemistry</i> , 2012, 22, 602-608.	6.7	26
133	A selectively rhodamine-based colorimetric probe for detecting copper(II) ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 191-197.	2.0	26
134	Facile Fabrication Route of Janus Gold-Mesoporous Silica Nanocarriers with Dual-Drug Delivery for Tumor Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1573-1581.	2.6	26
135	Design of long-wavelength emission carbon dots for hypochlorous detection and cellular imaging. <i>Talanta</i> , 2020, 219, 121170.	2.9	26
136	Highly sensitive photoelectrochemical aptasensor based on MoS ₂ quantum dots/TiO ₂ nanotubes for detection of atrazine. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129652.	4.0	26
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