

Shao Min Shuang

List of Publications by Year in descending order

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256
papers

9,841
citations

30070

54
h-index

62596

80
g-index

257
all docs

257
docs citations

257
times ranked

9125
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.	5.4	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.	8.0	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.	5.4	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.	5.4	205
5	Highly Selective Two-Photon Fluorescent Probe for Ratiometric Sensing and Imaging Cysteine in Mitochondria. <i>Analytical Chemistry</i> , 2016, 88, 1908-1914.	6.5	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.	5.8	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.	8.0	137
8	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.	8.0	121
9	Dual Photoluminescence Emission Carbon Dots for Ratiometric Fluorescent GSH Sensing and Cancer Cell Recognition. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18250-18257.	8.0	118
10	Electrochemical Sensor for Ultrasensitive Determination of Doxorubicin and Methotrexate Based on Cyclodextrin-Graphene Hybrid Nanosheets. <i>Electroanalysis</i> , 2011, 23, 2400-2407.	2.9	114
11	Strategy for Activating Room-Temperature Phosphorescence of Carbon Dots in Aqueous Environments. <i>Chemistry of Materials</i> , 2019, 31, 7979-7986.	6.7	112
12	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.	3.6	111
13	Folic acid-conjugated green luminescent carbon dots as a nanoprobe for identifying folate receptor-positive cancer cells. <i>Talanta</i> , 2018, 183, 39-47.	5.5	110
14	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.	5.4	108
15	Light-Switchable Polymer Adhesive Based on Photoinduced Reversible Solid-to-Liquid Transitions. <i>ACS Macro Letters</i> , 2019, 8, 968-972.	4.8	107
16	Ratiometric Emission Fluorescent pH Probe for Imaging of Living Cells in Extreme Acidity. <i>Analytical Chemistry</i> , 2015, 87, 2788-2793.	6.5	105
17	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.	6.5	105
18	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.	10.1	104

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19	Naked oats-derived dual-emission carbon nanodots for ratiometric sensing and cellular imaging. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 533-541.	7.8	97
20	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.	5.6	94
21	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.	8.0	93
22	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.	7.8	92
23	Red-green-blue fluorescent hollow carbon nanoparticles isolated from chromatographic fractions for cellular imaging. <i>Nanoscale</i> , 2014, 6, 8162.	5.6	89
24	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.	6.5	87
25	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.	8.0	86
26	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.	7.8	84
27	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.	10.1	83
28	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.	5.8	83
29	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.	3.9	82
30	Facile and eco-friendly synthesis of green fluorescent carbon nanodots for applications in bioimaging, patterning and staining. <i>Nanoscale</i> , 2015, 7, 7394-7401.	5.6	81
31	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.	5.8	80
32	Application of HPLC and MALDI-TOF MS for Studying As-Synthesized Ligand-Protected Gold Nanoclusters Products. <i>Analytical Chemistry</i> , 2009, 81, 1676-1685.	6.5	79
33	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.	7.8	79
34	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.	5.5	77
35	The synthesis of high bright silver nanoclusters with aggregation-induced emission for detection of tetracycline. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 129009.	7.8	77
36	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.	7.8	76

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37	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.	5.5	76
38	A lysosome-targeting and polarity-specific fluorescent probe for cancer diagnosis. <i>Chemical Communications</i> , 2019, 55, 4703-4706.	4.1	76
39	Green synthesis of carbon nanodots from cotton for multicolor imaging, patterning, and sensing. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 769-776.	7.8	74
40	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.	7.3	71
41	Matrix-Free and Highly Efficient Room-Temperature Phosphorescence of Nitrogen-Doped Carbon Dots. <i>Langmuir</i> , 2018, 34, 12845-12852.	3.5	69
42	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.	3.9	68
43	High-quality water-soluble luminescent carbon dots for multicolor patterning, sensors, and bioimaging. <i>RSC Advances</i> , 2015, 5, 16972-16979.	3.6	68
44	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.	7.8	67
45	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.	7.8	66
46	Bovine serum albumin-confined silver nanoclusters as fluorometric probe for detection of biothiols. <i>Luminescence</i> , 2014, 29, 722-727.	2.9	64
47	Single fluorescein-based probe for selective colorimetric and fluorometric dual sensing of Al ³⁺ and Cu ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 451-460.	7.8	64
48	New colorimetric and fluorometric chemosensor for selective Hg ²⁺ sensing in a near-perfect aqueous solution and bio-imaging. <i>Journal of Hazardous Materials</i> , 2020, 382, 121056.	12.4	64
49	Detection of Ag ⁺ using graphite carbon nitride nanosheets based on fluorescence quenching. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 169, 122-127.	3.9	63
50	S-Nitrosothiols: chemistry and reactions. <i>Chemical Communications</i> , 2017, 53, 11266-11277.	4.1	63
51	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.	5.5	60
52	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.	5.8	59
53	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.	3.6	57
54	β -Cyclodextrin-Hyaluronic Acid Polymer Functionalized Magnetic Graphene Oxide Nanocomposites for Targeted Photo-Chemotherapy of Tumor Cells. <i>Polymers</i> , 2019, 11, 133.	4.5	57

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55	Highly sensitive photoelectrochemical sensing of bisphenol A based on zinc phthalocyanine/TiO ₂ nanorod arrays. <i>Talanta</i> , 2018, 189, 16-23.	5.5	54
56	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.	3.1	52
57	Colorimetric sensor for cysteine in human urine based on novel gold nanoparticles. <i>Talanta</i> , 2016, 161, 520-527.	5.5	52
58	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.	5.8	52
59	A simple but efficient fluorescent sensor for ratiometric sensing of Cd ²⁺ and bio-imaging studies. <i>Sensors and Actuators B: Chemical</i> , 2020, 303, 127216.	7.8	52
60	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.	7.8	51
61	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.	7.8	51
62	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.	4.1	51
63	Aggregation/assembly induced emission based on silk fibroin-templated fluorescent copper nanoclusters for on-off detection of S ²⁻ . <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 361-368.	7.8	49
64	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.	6.7	49
65	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
66	Gold nanoclusters as fluorescent sensors for selective and sensitive hydrogen sulfide detection. <i>Talanta</i> , 2017, 171, 143-151.	5.5	48
67	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.	5.0	48
68	Multi-sensing function integrated nitrogen-doped fluorescent carbon dots as the platform toward multi-mode detection and bioimaging. <i>Talanta</i> , 2020, 210, 120653.	5.5	47
69	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.	5.4	44
70	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.	5.8	43
71	A two-photon ratiometric fluorescent probe for highly selective sensing of mitochondrial cysteine in live cells. <i>Analyst</i> , 2019, 144, 439-447.	3.5	43
72	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</i> , 2019, 144, 1988-1994.	3.5	43

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73	Carbon-based dots co-doped with nitrogen and sulfur for Cr(VI) sensing and bioimaging. RSC Advances, 2016, 6, 28477-28483.	3.6	42
74	Bright far-red/near-infrared gold nanoclusters for highly selective and ultra-sensitive detection of Hg^{2+} . Sensors and Actuators B: Chemical, 2017, 238, 683-692.	7.8	42
75	A turn-on reactive fluorescent probe for Hg^{2+} in 100% aqueous solution. Talanta, 2019, 197, 218-224.	5.5	41
76	Bright-green-emissive nitrogen-doped carbon dots as a nanoprobe for bifunctional sensing, its logic gate operation and cellular imaging. Talanta, 2018, 179, 554-562.	5.5	40
77	Mn-doped ZnS quantum dots with a 3-mercaptopropionic acid assembly as a ratiometric fluorescence probe for the determination of curcumin. RSC Advances, 2015, 5, 21504-21510.	3.6	39
78	Effective adsorption of phenolic pollutants from water using β -cyclodextrin polymer functionalized Fe_3O_4 magnetic nanoparticles. RSC Advances, 2016, 6, 80955-80963.	3.6	39
79	β -Cyclodextrin grafted polypyrrole magnetic nanocomposites toward the targeted delivery and controlled release of doxorubicin. Applied Surface Science, 2018, 427, 1189-1198.	6.1	39
80	Visual monitoring of the lysosomal pH changes during autophagy with a red-emission fluorescent probe. Journal of Materials Chemistry B, 2020, 8, 1466-1471.	5.8	39
81	Doped zinc sulfide quantum dots based phosphorescence turn-off/on probe for detecting histidine in biological fluid. Analytica Chimica Acta, 2015, 856, 82-89.	5.4	38
82	Rapid synthesis of multifunctional carbon nanodots as effective antioxidants, antibacterial agents, and quercetin nanoprobe. Talanta, 2020, 206, 120243.	5.5	38
83	Graphene quantum dots wrapped square-plate-like MnO_2 nanocomposite as a fluorescent turn-on sensor for glutathione. Talanta, 2020, 219, 121180.	5.5	38
84	Intelligently design primary aromatic amines derived carbon dots for optical dual-mode and smartphone imaging detection of nitrite based on specific diazo coupling. Journal of Hazardous Materials, 2022, 430, 128393.	12.4	38
85	Label-free aptasensor for thrombin using a glassy carbon electrode modified with a graphene-porphyrin composite. Mikrochimica Acta, 2014, 181, 189-196.	5.0	37
86	β -Cyclodextrin modified graphene oxide-magnetic nanocomposite for targeted delivery and pH-sensitive release of stereoisomeric anti-cancer drugs. RSC Advances, 2015, 5, 89299-89308.	3.6	36
87	Highly selective and sensitive nanoprobe for $\text{Hg}(\text{II})$ ions based on photoluminescent gold nanoclusters. Sensors and Actuators B: Chemical, 2016, 235, 386-393.	7.8	36
88	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.	7.3	36
89	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.	12.4	36
90	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.	5.8	35

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91	Construction of CPs@MnO ₂ -AgNPs as a multifunctional nanosensor for glutathione sensing and cancer theranostics. <i>Nanoscale</i> , 2019, 11, 18845-18853.	5.6	35
92	Facile synthesis of ratiometric fluorescent carbon dots for pH visual sensing and cellular imaging. <i>Talanta</i> , 2020, 216, 120943.	5.5	35
93	Visible-light-driven photoelectrochemical sensing platform based on BiOI nanoflowers/TiO ₂ nanotubes for detection of atrazine in environmental samples. <i>Journal of Hazardous Materials</i> , 2021, 409, 124894.	12.4	35
94	High-performance liquid chromatographic analysis of as-synthesised N,N'-dimethylformamide-stabilised gold nanoclusters product. <i>Nanoscale</i> , 2012, 4, 5325.	5.6	34
95	Comparative study of Cl,N-Cdots and N-Cdots and application for trinitrophenol and ClO ⁻ sensor and cell-imaging. <i>Analytica Chimica Acta</i> , 2019, 1091, 76-87.	5.4	34
96	A highly efficient chiral sensing platform for tryptophan isomers based on a coordination self-assembly. <i>Talanta</i> , 2019, 195, 306-312.	5.5	34
97	An anthraquinone-imidazole-based colorimetric and fluorescent sensor for the sequential detection of Ag ⁺ and biothiols in living cells. <i>Analyst</i> , The, 2020, 145, 3029-3037.	3.5	34
98	A Mitochondria-Specific Orange/Near-Infrared-Emissive Fluorescent Probe for Dual-Imaging of Viscosity and H ₂ O ₂ in Inflammation and Tumor Models. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1303-1309.	4.9	34
99	High-performance liquid chromatographic and mass spectrometric analysis of fluorescent carbon nanodots. <i>Talanta</i> , 2014, 129, 529-538.	5.5	33
100	Label-free and highly selective electrochemical aptasensor for detection of PCBs based on nickel hexacyanoferrate nanoparticles/reduced graphene oxides hybrids. <i>Biosensors and Bioelectronics</i> , 2019, 145, 111728.	10.1	33
101	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 215, 58-68.	3.9	33
102	Facile, rapid one-pot synthesis of multifunctional gold nanoclusters for cell imaging, hydrogen sulfide detection and pH sensing. <i>Talanta</i> , 2019, 197, 1-11.	5.5	33
103	Electrocatalytic oxidation of formaldehyde and methanol on Ni(OH) ₂ /Ni electrode. <i>Russian Journal of Electrochemistry</i> , 2013, 49, 888-894.	0.9	32
104	A novel ratiometric fluorescence probe based on BSA assembled silver nanoclusters for mercuric ion selective sensing. <i>Analytical Methods</i> , 2013, 5, 5522.	2.7	32
105	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.	5.5	32
106	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.	12.4	32
107	Targeted delivery and pH-responsive release of stereoisomeric anti-cancer drugs using β ² -cyclodextrin assembled Fe ₃ O ₄ nanoparticles. <i>Applied Surface Science</i> , 2015, 357, 2077-2086.	6.1	31
108	A lysozyme-stabilized silver nanocluster fluorescent probe for the detection of sulfide ions. <i>Analytical Methods</i> , 2016, 8, 4328-4333.	2.7	31

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109	A naphthalene-based fluorescent probe with a large Stokes shift for mitochondrial pH imaging. <i>Analyst</i> , The, 2018, 143, 5054-5060.	3.5	31
110	Concentration-dependent multicolor fluorescent carbon dots for colorimetric and fluorescent bimodal detections of Fe ³⁺ and L-ascorbic acid. <i>Analytical Methods</i> , 2019, 11, 669-676.	2.7	31
111	Design of a facile and label-free electrochemical aptasensor for detection of atrazine. <i>Talanta</i> , 2019, 201, 156-164.	5.5	31
112	A new "turn-on" and reversible fluorescent sensor for Al ³⁺ detection and live cell imaging. <i>Analytical Methods</i> , 2019, 11, 5598-5606.	2.7	30
113	Fluorescent probe for detection of Cu ²⁺ using core-shell CdTe/ZnS quantum dots. <i>Luminescence</i> , 2015, 30, 1064-1070.	2.9	29
114	Green-fluorescent nitrogen-doped carbon nanodots for biological imaging and paper-based sensing. <i>Analytical Methods</i> , 2017, 9, 2197-2204.	2.7	29
115	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.	2.8	29
116	"On-off-on" detection of Fe ³⁺ and F ⁻ , 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.	3.9	29
117	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.	5.8	29
118	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.	3.9	29
119	Facile synthesis of orange fluorescence multifunctional carbon dots for label-free detection of vitamin B12 and endogenous/exogenous peroxyxynitrite. <i>Journal of Hazardous Materials</i> , 2021, 408, 124422.	12.4	28
120	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.	7.8	28
121	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.	5.2	28
122	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.	7.8	28
123	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.	7.8	28
124	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.	3.9	27
125	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
126	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.	3.9	26

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127	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.	5.2	26
128	Design of long-wavelength emission carbon dots for hypochlorous detection and cellular imaging. <i>Talanta</i> , 2020, 219, 121170.	5.5	26
129	Ratiometric sensing of Zn ²⁺ with a new benzothiazole-based fluorescent sensor and living cell imaging. <i>Analyst</i> , 2021, 146, 4348-4356.	3.5	26
130	Recent advances in synthesis and applications of room temperature phosphorescence carbon dots. <i>Talanta</i> , 2021, 231, 122350.	5.5	26
131	A selective carbazole-based fluorescent probe for chromium(III). <i>Analytical Methods</i> , 2013, 5, 5549.	2.7	25
132	Novel single excitation dual-emission carbon dots for colorimetric and ratiometric fluorescent dual mode detection of Cu ²⁺ and Al ³⁺ ions. <i>RSC Advances</i> , 2019, 9, 38568-38575.	3.6	25
133	Immobilization of platinum nanoparticles and glucose oxidase on eggshell membrane for glucose detection. <i>Analytical Methods</i> , 2013, 5, 5154.	2.7	24
134	Fluorescence enhancement detection of uric acid based on water-soluble 3-mercaptopropionic acid-capped core/shell ZnS:Cu/ZnS. <i>RSC Advances</i> , 2014, 4, 25183-25188.	3.6	24
135	TiO ₂ –graphene hybrid nanostructures by atomic layer deposition with enhanced electrochemical performance for Pb(II) and Cd(II) detection. <i>RSC Advances</i> , 2015, 5, 4343-4349.	3.6	24
136	A colorimetric probe for the detection of aluminum ions based on 11-mercaptopundecanoic acid functionalized gold nanoparticles. <i>Analytical Methods</i> , 2016, 8, 7232-7236.	2.7	24
137	Facile synthesis of ultrahigh fluorescence N,S-self-doped carbon nanodots and their multiple applications for H ₂ S sensing, bioimaging in live cells and zebrafish, and anti-counterfeiting. <i>Nanoscale</i> , 2020, 12, 20482-20490.	5.6	24
138	A fast detection of peroxyxynitrite in living cells. <i>Analytica Chimica Acta</i> , 2020, 1106, 96-102.	5.4	24
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