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Carbon dots based dual-emission silica nanoparticles as a ratiometric nanosensor for Cu(2+)

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261	Review of Carbon and Graphene Quantum Dots for Sensing.		
260	Artifacts and Errors Associated with the Ubiquitous Presence of Fluorescent Impurities in Carbon Nanodots.		
259	Enhanced normal-direction excitation and emission of dual-emitting quantum dots on a cascaded photonic crystal surface. <i>Nanoscale</i> , 2014 , 6, 14708-15	7.7	30
258	Optical readout of the intracellular environment using nanoparticle transducers. 2014 , 32, 571-577		10
257	Simultaneously enhancing up-conversion fluorescence and red-shifting down-conversion luminescence of carbon dots by a simple hydrothermal process. 2014 , 2, 6947-6952		34
256	Green synthesis of luminescent nitrogen-doped carbon dots from milk and its imaging application. <i>Analytical Chemistry</i> , 2014 , 86, 8902-5	7.8	384
255	DNA-regulated silver nanoclusters for label-free ratiometric fluorescence detection of DNA. 2014 , 50, 13698-701		56
254	Monomer emission and aggregate emission of an imidazolium macrocycle based on bridged tetraphenylethylene and their quenching by C60. 2014 , 79, 5746-51		37
253	Single Particle Dynamic Imaging and Fe ³⁺ Sensing with Bright Carbon Dots Derived from Bovine Serum Albumin Proteins. 2015 , 5, 17727		70
252	- Synthesis and Electronic Properties of Single-Walled Carbon Nanotubes Filled with Inorganic Compounds and Metals. 2015 , 198-225		
251	FITC doped fluorescent silica nanoparticles based optical fiber sensor for copper (II) detection. 2015 ,		
250	Target-Triggered Switching on and off the Luminescence of Lanthanide Coordination Polymer Nanoparticles for Selective and Sensitive Sensing of Copper Ions in Rat Brain. <i>Analytical Chemistry</i> , 2015 , 87, 6834-41	7.8	76
249	Selective extraction and release using (EDTA-Ni)-layered double hydroxide coupled with catalytic oxidation of 3,3',5,5'-tetramethylbenzidine for sensitive detection of copper ion. <i>Analytica Chimica Acta</i> , 2015 , 885, 106-13	6.6	22
248	Microplasma-assisted rapid synthesis of luminescent nitrogen-doped carbon dots and their application in pH sensing and uranium detection. <i>Nanoscale</i> , 2015 , 7, 20743-8	7.7	69
247	Yellow-visual fluorescent carbon quantum dots from petroleum coke for the efficient detection of Cu ²⁺ ions. 2015 , 30, 550-559		46
246	A selective fluorescence turn-on sensing system for evaluation of Cu ²⁺ polluted water based on ultra-fast formation of fluorescent copper nanoclusters. <i>Analytical Methods</i> , 2015 , 7, 2278-2282	3.2	19
245	One pot selective synthesis of water and organic soluble carbon dots with green fluorescence emission. <i>RSC Advances</i> , 2015 , 5, 11667-11675	3.7	57

244	Carbon dots: synthetic methods and applications as fluorescent probes for the detection of metal ions, inorganic anions and organic molecules. 2015 , 12, 1841-1857		22
243	Generalized One-Pot Strategy Enabling Different Surface Functionalizations of Carbon Nanodots to Produce Dual Emissions in Alcohol/Water Binary Systems. 2015 , 119, 17979-17987		38
242	Green synthesis of carbon nanodots from cotton for multicolor imaging, patterning, and sensing. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 769-776	8.5	61
241	Luminescent assays based on carbon dots for inorganic trace analysis. 2015 , 34,		5
240	Triple-Emitting Dumbbell Fluorescent Nanoprobe for Multicolor Detection and Imaging Applications. 2015 , 54, 7725-34		13
239	Silica-nanobead-based sensors for analytical and bioanalytical applications. 2015 , 74, 130-145		15
238	Facile synthesis of S, N co-doped carbon dots and investigation of their photoluminescence properties. 2015 , 17, 20154-9		81
237	Nitrogen and sulfur co-doped carbon dots for highly selective and sensitive detection of Hg (II) ions. 2015 , 74, 263-9		248
236	Tunable amphiphilicity and multifunctional applications of ionic-liquid-modified carbon quantum dots. 2015 , 7, 6919-25		95
235	Dual-emission fluorescent sensor based on AIE organic nanoparticles and Au nanoclusters for the detection of mercury and melamine. <i>Nanoscale</i> , 2015 , 7, 8457-65	7.7	78
234	Recent applications of carbon nanomaterials in fluorescence biosensing and bioimaging. 2015 , 51, 11346-58		159
233	Carbon dots as a fluorescent probe for label-free detection of physiological potassium level in human serum and red blood cells. <i>Analytica Chimica Acta</i> , 2015 , 880, 130-5	6.6	32
232	Novel efficient fluorophores synthesized from citric acid. <i>RSC Advances</i> , 2015 , 5, 34795-34799	3.7	88
231	An efficient ratiometric fluorescent probe based on dual-emission fluorescent silica nanoparticles for visual determination of Hg ²⁺ . <i>Analytical Methods</i> , 2015 , 7, 2295-2299	3.2	13
230	Fluorescent citric acid-modified silicone materials. <i>RSC Advances</i> , 2015 , 5, 90473-90477	3.7	9
229	Fluorescence resonance energy transfer-based ratiometric fluorescent assay for highly sensitive and selective determination of sulfide anions. 2015 , 140, 6711-9		34
228	Liquid nitrogen-assisted synthesis of fluorescent carbon dots from Blueberry and their performance in Fe ³⁺ detection. <i>Applied Surface Science</i> , 2015 , 356, 747-752	6.7	87
227	Ratiometric fluorescent silver nanoclusters for the determination of mercury and copper ions. <i>Analytical Methods</i> , 2015 , 7, 8019-8024	3.2	11

226	Sensing applications of luminescent carbon based dots. 2015 , 140, 7468-86		108
225	Immobilizing water-soluble graphene quantum dots with gold nanoparticles for a low potential electrochemiluminescence immunosensor. <i>Nanoscale</i> , 2015 , 7, 16366-71	7.7	59
224	Cu nanoclusters-based ratiometric fluorescence probe for ratiometric and visualization detection of copper ions. <i>Analytica Chimica Acta</i> , 2015 , 895, 95-103	6.6	72
223	Recent advances in bioapplications of C-dots. 2015 , 85, 309-327		280
222	Glowing graphene quantum dots and carbon dots: properties, syntheses, and biological applications. <i>Small</i> , 2015 , 11, 1620-36	11	1415
221	Polyethyleneimine-templated copper nanoclusters via ascorbic acid reduction approach as ferric ion sensor. <i>Analytica Chimica Acta</i> , 2015 , 854, 153-60	6.6	88
220	One-step synthesis of biofunctional carbon quantum dots for bacterial labeling. 2015 , 68, 1-6		113
219	Successive detection of glucose and bio-copper in human serum based on a multiplex biosensor of gold nanorods. <i>Analytical Methods</i> , 2015 , 7, 1018-1025	3.2	5
218	Detection of Fe(III) and bio-copper in human serum based on fluorescent AuAg nanoclusters. <i>Analytical Methods</i> , 2015 , 7, 296-300	3.2	14
217	Onsite naked eye determination of cysteine and homocysteine using quencher displacement-induced fluorescence recovery of the dual-emission hybrid probes with desired intensity ratio. 2015 , 65, 83-90		69
216	Carbon quantum dots and their applications. 2015 , 44, 362-81		2967
215	Lanthanide based dual-emission fluorescent probe for detection of mercury (II) in milk. 2015 , 63, 566-571		43
214	CdTe QDs functionalized mesoporous silica nanoparticles loaded with conjugated polymers: A facile sensing platform for cupric (II) ion detection in water through FRET. <i>Dyes and Pigments</i> , 2015 , 113, 102-109	4.6	26
213	Determination of sunset yellow in soft drinks based on fluorescence quenching of carbon dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 167, 106-110	4.4	42
212	A ratiometric fluorescence nanosensor for highly selective and sensitive detection of selenite. 2016 , 141, 4685-93		20
211	Fluorescent turn-off/on bioassay for hemoglobin based on dual-emission carbon nanodots-graphene oxide system with multi-detection strategies. <i>Analytica Chimica Acta</i> , 2016 , 921, 59-66	6.6	12
210	A facile method to prepare fluorescent carbon dots and their application in selective colorimetric sensing of silver ion through the formation of silver nanoparticles. <i>Journal of Luminescence</i> , 2016 , 177, 228-234	3.8	26
209	Controlling carbon nanodot fluorescence for optical biosensing. 2016 , 141, 4170-80		13

208	Dual-emitting quantum dot/carbon nanodot-based nanoprobe for selective and sensitive detection of Fe(3+) in cells. 2016 , 141, 4488-94		22
207	Carbon dots-quinoline derivative nanocomposite: facile synthesis and application as a "turn-off" fluorescent chemosensor for detection of Cu ²⁺ ions in tap water. <i>RSC Advances</i> , 2016 , 6, 87230-87236	3-7	16
206	Highly selective detection of Hg ²⁺ and MeHgI by di-pyridin-2-yl-[4-(2-pyridin-4-yl-vinyl)-phenyl]-amine and its zinc coordination polymer. 2016 , 3, 1297-1305		49
205	Full-band UV shielding and highly daylight luminescent silane-functionalized graphene quantum dot nanofluids and their arbitrary polymerized hybrid gel glasses. 2016 , 4, 9879-9886		45
204	Ratiometric Fluorescent Biosensing of Hydrogen Peroxide and Hydroxyl Radical in Living Cells with Lysozyme-Silver Nanoclusters: Lysozyme as Stabilizing Ligand and Fluorescence Signal Unit. <i>Analytical Chemistry</i> , 2016 , 88, 10631-10638	7.8	66
203	Physicochemical properties and intestinal protective effect of ultra-micro ground insoluble dietary fibre from carrot pomace. 2016 , 7, 3902-9		20
202	A Dual-Emission Amphiphile /Dye Modified Mesoporous Silica as Fluorescent Sensor for the Detection of Fe ³⁺ , Cr ³⁺ and Al ³⁺ . 2016 , 1, 3208-3214		14
201	Fluorescence "turn on" detection of Cr ³⁺ using N-doped-CDs and graphitic nanosheet hybrids. <i>RSC Advances</i> , 2016 , 6, 72728-72732	3-7	7
200	Carbon dots: surface engineering and applications. 2016 , 4, 5772-5788		216
199	Carbon dots-based ratiometric nanosensor for highly sensitive and selective detection of mercury(II) ions and glutathione. <i>RSC Advances</i> , 2016 , 6, 103169-103177	3-7	36
198	Carbon quantum dot-based nanoprobe for metal ion detection. 2016 , 4, 6927-6945		316
197	Carbon Nanoparticles and Nanostructures. 2016 ,		14
196	N, B-doped carbon dots as a sensitive fluorescence probe for Hg(2+) ions and 2,4,6-trinitrophenol detection for bioimaging. 2016 , 162, 1-13		64
195	Carbon Based Dots and Their Luminescent Properties and Analytical Applications. 2016 , 161-238		8
194	An efficient core-shell fluorescent silica nanoprobe for ratiometric fluorescence detection of pH in living cells. 2016 , 141, 4766-71		17
193	A novel ratiometric fluorescent immunoassay for human α -fetoprotein based on carbon nanodot-doped silica nanoparticles and FITC. <i>Analytical Methods</i> , 2016 , 8, 5398-5406	3-2	23
192	Carbon-Dot and Quantum-Dot-Coated Dual-Emission Core-Satellite Silica Nanoparticles for Ratiometric Intracellular Cu(2+) Imaging. <i>Analytical Chemistry</i> , 2016 , 88, 7395-403	7.8	88
191	Cyclam-functionalized carbon dots sensor for sensitive and selective detection of copper(II) ion and sulfide anion in aqueous media and its imaging in live cells. <i>Sensors and Actuators B: Chemical</i> , 2016 , 224, 298-306	8.5	170

190	A review on syntheses, properties, characterization and bioanalytical applications of fluorescent carbon dots. 2016 , 183, 519-542		386
189	Development of dual-emission ratiometric probe-based on fluorescent silica nanoparticle and CdTe quantum dots for determination of glucose in beverages and human body fluids. <i>Food Chemistry</i> , 2016 , 204, 444-452	8.5	29
188	Ratiometric fluorescence, electrochemiluminescence, and photoelectrochemical chemo/biosensing based on semiconductor quantum dots. <i>Nanoscale</i> , 2016 , 8, 8427-42	7.7	216
187	Bottom-up electrochemical preparation of solid-state carbon nanodots directly from nitriles/ionic liquids using carbon-free electrodes and the applications in specific ferric ion detection and cell imaging. <i>Nanoscale</i> , 2016 , 8, 5470-7	7.7	48
186	Ratiometric fluorescent paper sensor utilizing hybrid carbon dots-quantum dots for the visual determination of copper ions. <i>Nanoscale</i> , 2016 , 8, 5977-84	7.7	193
185	Preparation of Gold-Carbon Dots and Ratiometric Fluorescence Cellular Imaging. 2016 , 8, 6646-55		51
184	Construction of single fluorophore ratiometric pH sensors using dual-emission Mn(2+)-doped quantum dots. 2016 , 84, 133-40		25
183	Template-free microwave-assisted fabrication of carbon dots/Zn(OH) ₂ composites for separation and enhancing chemical sensing. <i>Sensors and Actuators B: Chemical</i> , 2016 , 230, 615-622	8.5	10
182	Synthesis of "amphiphilic" carbon dots and their application for the analysis of iodine species (I ₂ , I ⁻) and IO ₃ ⁻) in highly saline water. 2016 , 141, 2508-14		15
181	Gold nanoclusters-based dual-emission ratiometric fluorescence probe for monitoring protein kinase. <i>Sensors and Actuators B: Chemical</i> , 2016 , 226, 144-150	8.5	20
180	A new fluorescent rhodamine B derivative as an ratiometric chemosensor for Cu ²⁺ with high selectivity and sensitivity. <i>Analytical Methods</i> , 2016 , 8, 1044-1051	3.2	13
179	Plasma polyacrylic acid and hollow TiO ₂ spheres modified with rhodamine B for sensitive electrochemical sensing Cu(II). <i>New Journal of Chemistry</i> , 2016 , 40, 755-763	3.6	6
178	Tunable multicolor carbon dots prepared from well-defined polythiophene derivatives and their emission mechanism. <i>Nanoscale</i> , 2016 , 8, 729-34	7.7	150
177	One-Pot Hydrothermal Synthesis of Carbon Dots with Efficient Up- and Down-Converted Photoluminescence for the Sensitive Detection of Morin in a Dual-Readout Assay. <i>Langmuir</i> , 2017 , 33, 1043-1050	4	110
176	Carbon-dot-based dual-emission silica nanoparticles as a ratiometric fluorescent probe for Bisphenol A. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 177, 153-157	4.4	13
175	Ratiometric captopril assay based on the recovery of the Bi(III)-quenched yellow fluorescence of dually emitting carbon nanodots. <i>New Journal of Chemistry</i> , 2017 , 41, 2227-2230	3.6	8
174	Carbon nanodots: Mechanisms of photoluminescence and principles of application. 2017 , 90, 27-37		54
173	Hydrophobic-carbon-dot-based dual-emission micelle for ratiometric fluorescence biosensing and imaging of Cu in liver cells. 2017 , 92, 101-108		68

172	Visual and fluorescent detection of mercury ions by using a dually emissive ratiometric nanohybrid containing carbon dots and CdTe quantum dots. 2017 , 184, 1199-1206		52
171	Synthesis of silica nanoparticles doped with [Ru(bpy) ₃] ²⁺ and decorated with silver nanoclusters for the ratiometric photoluminescent determination and intracellular imaging of Cu(II) ions. 2017 , 184, 2325-2331		10
170	Label-free upconversion nanoparticles-based fluorescent probes for sequential sensing of Cu, pyrophosphate and alkaline phosphatase activity. 2017 , 95, 21-26		74
169	Silica grafted with silanized carbon dots as a nano-on-micro packing material with enhanced hydrophilic selectivity. 2017 , 184, 2629-2636		30
168	A multifunctional nanoplatform based on mesoporous silica nanoparticles for imaging-guided chemo/photodynamic synergetic therapy. <i>RSC Advances</i> , 2017 , 7, 31133-31141	3.7	26
167	A ratiometric fluorescent nanosensor for the detection of silver ions using graphene quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 239-246	8.5	87
166	Fluorescent chemosensors for copper(II) ion: Structure, mechanism and application. 2017 , 32, 78-103		86
165	Ionic liquid-functionalized carbon quantum dots as fluorescent probes for sensitive and selective detection of iron ion and ascorbic acid. 2017 , 529, 38-44		50
164	Dye-assembled nanocomposites for rapid upconversion luminescence sensing of Cu ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2017 , 248, 1-8	8.5	21
163	Application of Carbon-Based Nanomaterials as Biosensor. 2017 , 87-127		3
162	Facile Synthesis of N, B-Doped Carbon Dots and Their Application for Multisensor and Cellular Imaging. 2017 , 56, 3905-3912		47
161	Controllable electrochemical/electroanalytical approach to generate nitrogen-doped carbon quantum dots from varied amino acids: pinpointing the utmost quantum yield and the versatile photoluminescent and electrochemiluminescent applications. 2017 , 236, 239-251		46
160	Carbon dots doped with heteroatoms for fluorescent bioimaging: a review. 2017 , 184, 343-368		200
159	N-Doped carbon dots: a metal-free co-catalyst on hematite nanorod arrays toward efficient photoelectrochemical water oxidation. 2017 , 4, 537-540		76
158	Fluorescent carbon quantum dots chemosensor for selective turn-on sensing of Zn ²⁺ and turn-off sensing of Pb ²⁺ in aqueous medium and zebrafish eggs. <i>New Journal of Chemistry</i> , 2017 , 41, 15157-15164	3.6	22
157	Ratiometric fluorescent sensing of copper ion based on chromaticity change strategy. 2017 , 409, 6655-6662		19
156	White Light-Emitting Diodes Based on Individual Polymerized Carbon Nanodots. 2017 , 7, 12146		34
155	Recent advances in nanomaterials for water protection and monitoring. 2017 , 46, 6946-7020		332

154	Carbon Dots/g-CN Nanoheterostructures-Based Signal-Generation Tags for Photoelectrochemical Immunoassay of Cancer Biomarkers Coupling with Copper Nanoclusters. 2017 , 9, 38336-38343		105
153	Fluorescent carbon dots: rational synthesis, tunable optical properties and analytical applications. <i>RSC Advances</i> , 2017 , 7, 40973-40989	3.7	120
152	A novel fluorescence polarization assay for copper ions based on DNA-templated click chemistry and amplification of nanoparticles. <i>RSC Advances</i> , 2017 , 7, 55668-55672	3.7	8
151	TiO ₂ /CdS nanorod array-based photoelectrochemical sensing of Cu ²⁺ in human serum samples. <i>Analytical Methods</i> , 2017 , 9, 6754-6759	3.2	7
150	Nitrogen-doped carbon dots embedded in a SiO ₂ monolith for solid-state fluorescent detection of Cu ²⁺ ions. 2017 , 19, 1		15
149	Blue photoluminescent carbon nanodots prepared from zeolite as efficient sensors for picric acid detection. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 911-917	8.5	40
148	A dual chemosensor for Cu ²⁺ and Fe ³⁺ based on extend tetrathiafulvalene derivative. <i>Tetrahedron</i> , 2017 , 73, 14-20	2.4	16
147	Carbon dots coated with vitamin B12 as selective ratiometric nanosensor for phenolic carbofuran. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 553-561	8.5	38
146	Highly selective and sensitive determination of copper ion based on a visual fluorescence method. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 66-75	8.5	45
145	Improving the Power Conversion Efficiency of Carbon Quantum Dot-Sensitized Solar Cells by Growing the Dots on a TiO ₂ Photoanode In Situ. <i>Nanomaterials</i> , 2017 , 7,	5.4	21
144	A Cu-Selective Probe Based on Phenanthro-Imidazole Derivative. 2016 , 17,		11
143	Photoluminescent C-dots: An overview on the recent development in the synthesis, physiochemical properties and potential applications. 2018 , 748, 818-853		49
142	Highly cysteine-selective fluorescent nanoprobe based on ultrabright and directly synthesized carbon quantum dots. 2018 , 410, 2961-2970		22
141	Barbituric acid-modified graphitic carbon nitride nanosheets for ratiometric fluorescent detection of Cu. 2018 , 143, 1609-1614		14
140	A New Family of Photoluminescent Polymers with Dual Chromophores. 2018 , 39, e1800035		13
139	Sol-Gel Chemistry for Carbon Dots. 2018 , 18, 1192-1202		16
138	Semi-quantitative and visual assay of copper ions by fluorescent test paper constructed with dual-emission carbon dots.. <i>RSC Advances</i> , 2018 , 8, 12708-12713	3.7	10
137	Carbon dots based dual-emission silica nanoparticles as ratiometric fluorescent probe for nitrite determination in food samples. <i>Food Chemistry</i> , 2018 , 260, 13-18	8.5	39

136	Ratiometric fluorescence sensor based on dithiothreitol modified carbon dots-gold nanoclusters for the sensitive detection of mercury ions in water samples. <i>Sensors and Actuators B: Chemical</i> , 2018 , 262, 810-817	8.5	76
135	Carbon dots: Principles and their applications in food quality and safety detection. 2018 , 58, 2466-2475		48
134	Fluorescent carbon dots with two absorption bands: luminescence mechanism and ion detection. 2018 , 53, 6459-6470		16
133	Ratiometric Phosphorescent Probe for Thallium in Serum, Water, and Soil Samples Based on Long-Lived, Spectrally Resolved, Mn-Doped ZnSe Quantum Dots and Carbon Dots. <i>Analytical Chemistry</i> , 2018 , 90, 2939-2945	7.8	51
132	Nanomaterial-based optical chemical sensors for the detection of heavy metals in water: Recent advances and challenges. 2018 , 100, 155-166		140
131	One-step microwave synthesis of carbon dots for highly sensitive and selective detection of copper ions in aqueous solution. <i>New Journal of Chemistry</i> , 2018 , 42, 3097-3101	3.6	42
130	Selective detection of copper ion in complex real samples based on nitrogen-doped carbon quantum dots. 2018 , 410, 4301-4309		29
129	Ratiometric optical nanoprobe enable accurate molecular detection and imaging. 2018 , 47, 2873-2920		394
128	One-step synthesis of multi-emission carbon nanodots for ratiometric temperature sensing. <i>Applied Surface Science</i> , 2018 , 427, 1118-1123	6.7	50
127	Enhancing the quantum yield and Cu ²⁺ sensing sensitivity of carbon dots based on the nano-space confinement effect of silica matrix. <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 211-218	8.5	11
126	Carbon dots based dual-emission silica nanoparticles as ratiometric fluorescent probe for chromium speciation analysis in water samples. 2018 , 96, 72-77		8
125	Carbon-dot-based dual-emission silica nanoparticles as a ratiometric fluorescent probe for vanadium(V) detection in mineral water samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 189, 51-56	4.4	8
124	A carbon-dot-based dual-emission probe for ultrasensitive visual detection of copper ions. <i>New Journal of Chemistry</i> , 2018 , 42, 19771-19778	3.6	3
123	. 2018 ,		1
122	References. 2018 , 241-263		
121	Phenanthroline-Derivative Functionalized Carbon Dots for Highly Selective and Sensitive Detection of Cu and S and Imaging inside Live Cells. <i>Nanomaterials</i> , 2018 , 8,	5.4	13
120	Enhanced electrochemiluminescence behavior of C,N quantum dots embedded g-C ₃ N ₄ nanosheets and its sensing application for copper (II). 2018 , 29, 20580-20587		9
119	Dual-Emissive Carbon Quantum Dot-Tb Nanocomposite as a Fluorescent Indicator for a Highly Selective Visual Detection of Hg(II) in Water. 2018 , 3, 11439-11446		21

118	Carbon dots as fluorescent probes for detection of VB based on the inner filter effect.. <i>RSC Advances</i> , 2018 , 8, 19786-19790	3.7	20
117	In Situ Nanoreactors: Controllable Photoluminescent Carbon-Rich Polymer Nanodots Derived from Fatty Acid under Photoirradiation. 2018 , 39, e1800152		9
116	A new copper mediated on-off assay for alkaline phosphatase detection based on MoOx quantum dots. <i>Microchemical Journal</i> , 2018 , 141, 170-175	4.8	15
115	Effective Determination of Zn ²⁺ , Mn ²⁺ , and Cu ²⁺ Simultaneously By Using Dual-Emissive Carbon Dots as Colorimetric Fluorescent Probe. 2018 , 2018, 3418-3426		18
114	Convenient Determination of Sulfamethazine in Milk by Novel Ratiometric Fluorescence with Carbon and Quantum Dots with On-site Naked-eye Detection and Low Interferences. 2018 , 51, 2099-2113		10
113	Hydrothermal synthesis of carbon quantum dots as fluorescent probes for the sensitive and rapid detection of picric acid. <i>Analytical Methods</i> , 2018 , 10, 2775-2784	3.2	49
112	Ratiometric Detection of Cu ²⁺ Using a Luminol-Tb-GMP Nanoprobe with High Sensitivity and Selectivity. 2018 , 6, 9333-9341		37
111	New detection method for nucleoside triphosphates based on carbon dots: The distance-dependent singlet oxygen trapping. <i>Analytica Chimica Acta</i> , 2018 , 1031, 145-151	6.6	6
110	Ratiometric Fluorescence Probes Based on Carbon Dots. 2018 , 22, 57-66		23
109	Synthesis of the Cu-Doped Dual-Emission Fluorescent Carbon Dots and Its Analytical Application. <i>Langmuir</i> , 2018 , 34, 9982-9989	4	30
108	Preparation of Functionalized Magnetic Fe ₃ O ₄ @Au@polydopamine Nanocomposites and Their Application for Copper(II) Removal. <i>Polymers</i> , 2018 , 10,	4.5	10
107	Thiazole Orange-Modified Carbon Dots for Ratiometric Fluorescence Detection of G-Quadruplex and Double-Stranded DNA. 2018 , 10, 25166-25173		33
106	B,N-carbon dots-based ratiometric fluorescent and colorimetric dual-readout sensor for H ₂ O ₂ and H ₂ O ₂ -involved metabolites detection using ZnFe ₂ O ₄ magnetic microspheres as peroxidase mimics. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 1735-1743	8.5	39
105	Surface modification and chemical functionalization of carbon dots: a review. 2018 , 185, 424		140
104	Carbon quantum dot-based fluorescent vesicles and chiral hydrogels with biosurfactant and biocompatible small molecule. 2018 , 14, 6983-6993		25
103	Optically tunable fluorescent carbon nanoparticles and their application in fluorometric sensing of copper ions. 2019 , 12, 2576-2583		32
102	Recent advances in ultra-small fluorescent Au nanoclusters toward oncological research. <i>Nanoscale</i> , 2019 , 11, 17967-17980	7.7	38
101	Ratiometric Fluorescent Nanoprobe for Highly Sensitive Determination of Mercury Ions. 2019 , 24,		5

100	Review of Carbon and Graphene Quantum Dots for Sensing. 2019 , 4, 1732-1748		362
99	Construction of a ratiometric phosphorescent assay with long-lived carbon quantum dots and inorganic nanoparticles for its application in environmental and biological systems. <i>New Journal of Chemistry</i> , 2019 , 43, 12410-12416	3.6	5
98	Dual-emission ratiometric nanoprobe for visual detection of Cu(II) and intracellular fluorescence imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 223, 117300	4.4	17
97	Carbon quantum dots doped with phosphorus and nitrogen are a viable fluorescent nanoprobe for determination and cellular imaging of vitamin B and cobalt(II). 2019 , 186, 506		16
96	Component reconstitution-driven photoelectrochemical sensor for sensitive detection of Cu ²⁺ based on advanced CuS/CdS p-n junction. 2019 , 62, 1725-1731		13
95	Band gap tuning and surface modification of carbon dots for sustainable environmental remediation and photocatalytic hydrogen production - A review. 2019 , 250, 109486		140
94	N-doped carbon dot as fluorescent probe for detection of cysteamine and multicolor cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2019 , 286, 77-85	8.5	38
93	Papain-stabilized silver nanoclusters: dual emission and ratiometric fluorescent sensing of ferrous ions. <i>Analytical Methods</i> , 2019 , 11, 936-941	3.2	6
92	Excitation-independent dual emissions of carbon dots synthesized by plasma irradiation of ionic liquids: Ratiometric fluorometric determination of norfloxacin and mercury(II). 2019 , 186, 376		11
91	Ratiometric fluorescent nanoprobe for visual detection: Design principles and recent advances - A review. <i>Analytica Chimica Acta</i> , 2019 , 1079, 30-58	6.6	121
90	Cost-effective and facile fluorescent probes for label-free recognition of chlorpromazine hydrochloride and logic gate operation. 2019 , 382, 111918		11
89	A Ratiometric Fluorescent DNA Radar Based on Contrary Response of DNA/Silver Nanoclusters and G-Quadruplex/Crystal Violet. 2019 , 11, 25066-25073		19
88	A dual-mode fluorometric/colorimetric sensor for Cu detection based on hybridized carbon dots and gold-silver core-shell nanoparticles. 2019 , 144, 4250-4257		17
87	Switching Carbon Nanodots from Single Emission to Dual Emission by One-Step Electrochemical Tailoring in Alkaline Alcohols: Implications for Sensing and Bioimaging. 2019 , 2, 2776-2784		6
86	The advanced role of carbon quantum dots in nanomedical applications. 2019 , 141, 111158		115
85	Recent advances in carbon quantum dot-based sensing of heavy metals in water. 2019 , 114, 171-195		84
84	Aggregation-induced emission enhancement of yellow photoluminescent carbon dots for highly selective detection of environmental and intracellular copper(II) ions. 2019 , 30, 1410-1414		49
83	Graphene oxide based ratiometric fluorescent paper sensor for hypochlorous acid visual detection. 2019 , 375, 141-147		1

82	A Sensitive and Selective Method for Visual Chronometric Detection of Copper(II) Ions Using Clock Reaction. 2019 , 35, 159-163		24
81	MnO ₂ nanowires tuning of photoluminescence of alloy Cu/Ag NCs and thiamine enables a ratiometric fluorescent sensing of glutathione. <i>Sensors and Actuators B: Chemical</i> , 2019 , 286, 476-482	8.5	26
80	Ratiometric fluorescent detection of Cu based on dual-emission ZIF-8@rhodamine-B nanocomposites. 2019 , 34, 193-199		17
79	A Mitochondria-Targeted Ratiometric Fluorescent pH Probe.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1368-1375	4.5	18
78	Application of silicon nanoparticles in agriculture. 2019 , 9, 90		187
77	Amine-responsive cellulose-based ratiometric fluorescent materials for real-time and visual detection of shrimp and crab freshness. 2019 , 10, 795		137
76	Controllable synthesis of novel luminescent CuFeS ₂ quantum dots with magnetic properties and cation sensing features. 2019 , 21, 1		8
75	Novel single excitation dual-emission carbon dots for colorimetric and ratiometric fluorescent dual mode detection of Cu and Al ions.. <i>RSC Advances</i> , 2019 , 9, 38568-38575	3.7	11
74	Room-temperature synthesis of novel polymeric nanoclusterwith emissions and its Cu ²⁺ recognition performance. <i>Journal of Luminescence</i> , 2019 , 205, 142-147	3.8	4
73	Silica-embedded CdTe quantum dots functionalized with rhodamine derivative for instant visual detection of ferric ions in aqueous media. 2019 , 372, 140-146		6
72	Sensitive and selective detection of Cu ions based on fluorescent Ag nanoparticles synthesized by R-phycoerythrin from marine algae <i>Porphyra yezoensis</i> . 2019 , 168, 356-362		17
71	Synthesis of CdSe/ZnS@HPU-2 composites for highly sensitive and multicolor florescence response to Fe ³⁺ . 2019 , 234, 269-276		
70	Green synthesis of fluorescent carbon quantum dots from <i>Eleusine coracana</i> and their application as a fluorescence turn-off sensor probe for selective detection of Cu ²⁺ . <i>Applied Surface Science</i> , 2019 , 476, 468-480	6.7	92
69	Surface Engineering of Carbon Nanodots (C-Dots) for Biomedical Applications. 2019 , 137-188		6
68	Surface nano-engineered wheat straw for portable and adjustable water purification. 2019 , 655, 1028-1036		7
67	Determiration of thiourea based on the reversion of fluorescence quenching of nitrogen doped carbon dots by Hg. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 227, 117666	4.4	11
66	Nucleoside-based fluorescent carbon dots for discrimination of metal ions. 2020 , 8, 3640-3646		10
65	Functional Carbon Quantum Dots for Highly Sensitive Graphene Transistors for Cu Ion Detection. 2020 , 12, 4797-4803		30

64	In Situ Growth Visualization Nanochannel Membrane for Ultrasensitive Copper Ion Detection under the Electric Field Enrichment. 2020 , 12, 4849-4858		10
63	Highly sensitive ruthenium complex-based fluorescent probe for copper ion detection. <i>Tetrahedron</i> , 2020 , 76, 131526	2.4	3
62	Amino-functional carbon quantum dots as a rational nanosensor for Cu ²⁺ . <i>Microchemical Journal</i> , 2020 , 159, 105494	4.8	10
61	An "on-off-on" selective fluorescent probe based on nitrogen and sulfur co-doped carbon dots for detecting Cu and GSH in living cells. <i>Analytical Methods</i> , 2020 , 12, 5110-5119	3.2	10
60	Ultrasensitive photoelectrochemical sensor enabled by a target-induced signal quencher release strategy. <i>New Journal of Chemistry</i> , 2020 , 44, 13882-13888	3.6	1
59	Carbon Dots for Forensic Applications: A Critical Review. <i>Nanomaterials</i> , 2020 , 10,	5.4	13
58	Quantum dots as nanosensors for detection of toxics: a literature review. <i>Analytical Methods</i> , 2020 , 12, 4254-4275	3.2	19
57	A novel synthesis of graphene quantum dots via thermal treatment of crude graphite oxide in a dry and alkaline condition, and their application in uranyl detection. <i>Heliyon</i> , 2020 , 6, e04533	3.6	2
56	A label-free yellow-emissive carbon dot-based nanosensor for sensitive and selective ratiometric detection of chromium (VI) in environmental water samples. <i>Materials Chemistry and Physics</i> , 2020 , 248, 122912	4.4	12
55	Carbon Nanodots Derived from Urea and Citric Acid in Living Cells: Cellular Uptake and Antioxidation Effect. <i>Langmuir</i> , 2020 , 36, 8632-8640	4	12
54	Sulfur and nitrogen doped carbon quantum dots for detection of glutathione and reduction of cellular nitric oxide in microglial cells. <i>Journal of Pharmaceutical Investigation</i> , 2020 , 50, 209-218	6.3	4
53	Recent advances in the construction and analytical applications of carbon dots-based optical nanoassembly. <i>Talanta</i> , 2021 , 223, 121691	6.2	5
52	A smartphone-combined ratiometric fluorescence probe for specifically and visibly detecting cephalixin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 249, 119310	4.4	10
51	Intrinsic dual-emissive carbon dots for efficient ratiometric detection of Cu and aspartic acid. <i>Analytica Chimica Acta</i> , 2021 , 1144, 26-33	6.6	10
50	An Ultrasensitive Turn-On Ratiometric Fluorescent Probes for Detection of Ag ⁺ Based On Carbon Dots/SiO ₂ and Gold Nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129097	8.5	21
49	A Low-cost Paper-based Diamond Electrode for Trace Copper Analysis at On-site Environmental Area. <i>Electroanalysis</i> , 2021 , 33, 226-232	3	6
48	Organic dots (O-dots) for theranostic applications: preparation and surface engineering.. <i>RSC Advances</i> , 2021 , 11, 2253-2291	3.7	4
47	A rapid "on-off-on" mitochondria-targeted phosphorescent probe for selective and consecutive detection of Cu and cysteine in live cells and zebrafish.. <i>RSC Advances</i> , 2021 , 11, 7610-7620	3.7	5

46	A rhodamine-based chemosensor and functionalized gel ball for detecting and adsorbing copper ions. <i>Tetrahedron</i> , 2021 , 80, 131893	2.4	0
45	Polyethyleneimine-functionalized carbon dots as a fluorescent probe for doxorubicin hydrochloride by an inner filter effect. <i>Optical Materials</i> , 2021 , 112, 110743	3.3	13
44	Poly-L-lysine-Functionalized Green-Light-Emitting Carbon Dots as a Fluorescence Turn-on Sensor for Ultrasensitive Detection of Endotoxin.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 3410-3422	4.1	4
43	One-step synthesis of fluorescence-enhanced carbon dots for Fe (III) on-off-on sensing, bioimaging and light-emitting devices. <i>Nanotechnology</i> , 2021 , 32,	3.4	3
42	A fluorescent probe for the detection of Cu(II) in water and tumor cells. <i>Inorganic Chemistry Communication</i> , 2021 , 126, 108471	3.1	4
41	Concentration-modulated dual-excitation fluorescence of carbon dots used for ratiometric sensing of Fe ³⁺ . <i>Microchemical Journal</i> , 2021 , 164, 106028	4.8	5
40	Rapid response to amine vapor based on fluorescent light-up sensor for real-time and visual detection of crawfish and fish freshness. <i>Dyes and Pigments</i> , 2021 , 189, 109228	4.6	4
39	A Versatile Optical Fiber Sensor Comprising an Excitation-Independent Carbon Quantum Dots/Cellulose Acetate Composite Film for Adrenaline Detection. <i>IEEE Sensors Journal</i> , 2021 , 21, 10392-10399 ^o	4.0	0
38	Nanomaterial-Based Dual-Emission Ratiometric Fluorescent Sensors for Biosensing and Cell Imaging. <i>Polymers</i> , 2021 , 13,	4.5	7
37	Carbon Quantum Dots for Biomedical Applications: Review and Analysis. <i>Frontiers in Materials</i> , 2021 , 8,	4	11
36	Fluorescent carbon dots embedded in mesoporous silica nanospheres: A simple platform for Cr(VI) detection in environmental water. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125699	12.8	11
35	Dual-channel fluorescent signal readout strategy for cysteine sensing. <i>Talanta</i> , 2021 , 231, 122331	6.2	3
34	Development of QDs-based nanosensors for heavy metal detection: A review on transducer principles and in-situ detection. <i>Talanta</i> , 2021 , 122903	6.2	4
33	Mitochondria-targeted near-infrared fluorescent probe for monitoring of a Copper(I) in living cells and In vivo. <i>Dyes and Pigments</i> , 2021 , 194, 109561	4.6	3
32	Preparation of carbon quantum dots/polyaniline nanocomposite: Towards highly sensitive detection of picric acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 260, 119967	4.4	6
31	A dual-emission ratiometric fluorescent nanoprobe based on silicon nanoparticles and carbon dots for efficient detection of Cu(II). <i>CrystEngComm</i> , 2021 , 23, 2599-2605	3.3	1
30	Chapter 4:Carbon Nanomaterials in Optical Detection. <i>RSC Detection Science</i> , 2018 , 105-149	0.4	1
29	Controllable and robust dual-emissive quantum dot nanohybrids as inner filter-based ratiometric probes for visualizable melamine detection. <i>Nanoscale</i> , 2020 , 12, 4562-4572	7.7	7

28	An ink-jet printed dual-CD ratiometric fluorescent paper-based sensor for the visual detection of Cu.. <i>RSC Advances</i> , 2021 , 11, 33036-33047	3.7	2
27	Nanobiotechnological Applications for Crop Improvement. 2020 , 615-641		
26	Silane-Functionalized Carbon Dots and Their Polymerized Hybrids: From Optoelectronics to Biotherapy. <i>Small</i> , 2021 , e2105273	11	3
25	Fluorescent and easy-make hybrid sensor based-on silica gel&BODIPY for the detection of Cu (II) in aqueous medium: fully characterized, effective and visual data. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	1
24	Synthesis of Doped/Hybrid Carbon Dots and Their Biomedical Application.. <i>Nanomaterials</i> , 2022 , 12,	5.4	3
23	Stress Alleviation and Crop Improvement Using Silicon Nanoparticles in Agriculture: a Review. <i>Silicon</i> , 1	2.4	1
22	Luminescent properties of carbon quantum dots synthesized by microplasma method. <i>Journal of Luminescence</i> , 2022 , 246, 118806	3.8	1
21	Silicon and nano-silicon in plant nutrition and crop quality. 2022 , 277-295		
20	Role of Nanosensors and Bionanosensors in Crop Abiotic Stress. 2022 , 1-12		
19	On-package ratiometric fluorescent sensing label based on AIE polymers for real-time and visual detection of fish freshness.. <i>Food Chemistry</i> , 2022 , 390, 133153	8.5	1
18	A Brief Review of Carbon Dots&Silica Nanoparticles Synthesis and their Potential Use as Biosensing and Theragnostic Applications. <i>Nanoscale Research Letters</i> , 2022 , 17,	5	1
17	Carbon Dots for Intracellular Sensing. <i>Small Structures</i> , 2200033	8.7	3
16	Surface amino group modulation of carbon dots with blue, green and red emission as Cu ²⁺ ion reversible detector. <i>Applied Surface Science</i> , 2022 , 598, 153892	6.7	0
15	Future prospects of carbon dots application in agriculture. 2022 , 263-285		
14	Highly efficient fluorescent probes from chitosan-based amino-functional carbon dots for the selective detection of Cu ²⁺ traces. 2022 , 291, 126772		1
13	Design and applications of carbon dots-based ratiometric fluorescent probes: A review.		0
12	DualEmission MOF&Based Ratiometric Platform and Sensory Hydrogel for Visible Detection of Biogenic Amines in Food Spoilage. 2022 , 132803		2
11	A label-free G-quadruplex and ThT mediated fluorescent sensor for detection of Cu ²⁺ from water samples. 2022 , 6, 100159		0

- 10 Experimental synthesis of dual-emission carbon dots: The role of reaction temperature. **2023**, 148, 110301 ○
- 9 Lanthanide ternary complex as a fluorescent probe for highly sensitive and selective detection of copper ions based on selective recognition and photoinduced electron transfer. **2023**, 290, 122287 1
- 8 Copper ion ratio chemiluminescence probe based on chemiluminescence resonance energy transfer. **2023**, 187, 108386 ○
- 7 Red emitting nitrogen-doped carbon dots for fluorescence and colorimetric dual-mode detection of Cu²⁺ and biological sensing. **2023**, 439, 114575 ○
- 6 Blue/red dual emission based ratiometric fluorescent intelligent labels for real-time food freshness monitoring. **2023**, 150, 109775 ○
- 5 Highly sensitive and selective fluorescence sensor based on zirconia nanotube array films for Cu²⁺ detection. **2023**, 387, 133774 ○
- 4 Ratiometric and visual determination of copper ions with fluorescent nanohybrids of semiconducting polymer nanoparticles and carbon dots. **2023**, 295, 122574 ○
- 3 A novel photoelectrochemical sensor based on three-dimensional rGO@Au-sensitized cauliflower-like CdS heterojunction for the effective and sensitive detection of copper (II) in pool water. **2023**, 190, 108643 ○
- 2 Quantum dots: chemical applications. **2023**, 421-437 ○
- 1 A ratiometric luminescence sensing platform based on lanthanide-based silica nanoparticles for selective and sensitive detection of Fe³⁺ and Cu²⁺ ions. **2023**, 52, 3300-3307 ○