

CITATION REPORT

List of articles citing

Sulfur-doped graphene quantum dots as a novel fluorescent probe for highly selective and sensitive detection of Fe(3+)

DOI: 10.1021/ac503183y

Analytical Chemistry, 2014, 86, 10201-7.

Source: <https://exaly.com/paper-pdf/59374272/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
480	N-doped carbon dots with high sensitivity and selectivity for hypochlorous acid detection and its application in water. <i>Analytical Methods</i> , 2015 , 7, 5311-5317	3.2	24
479	Multicolor fluorescent graphene quantum dots colorimetrically responsive to all-pH and a wide temperature range. 2015 , 7, 11727-33		147
478	Synthesis of N, F and S co-doped graphene quantum dots. 2015 , 7, 11515-9		129
477	Highly luminescent nitrogen-doped carbon quantum dots as effective fluorescent probes for mercuric and iodide ions. 2015 , 3, 1922-1928		144
476	Carbon dots based turn-on fluorescent probes for oxytetracycline hydrochloride sensing. <i>RSC Advances</i> , 2015 , 5, 19853-19858	3.7	36
475	Fluorescent graphene quantum dots for biosensing and bioimaging. <i>RSC Advances</i> , 2015 , 5, 19773-19789	3.7	171
474	Enhancing the luminescence of carbon dots by doping nitrogen element and its application in the detection of Fe(III). 2015 , 50, 2571-2576		56
473	Design and synthesis of functionalized rhodamine based probes for specific intracellular fluorescence imaging of Fe ³⁺ . <i>Dyes and Pigments</i> , 2015 , 115, 120-126	4.6	30
472	Electrochemical synthesis of small-sized red fluorescent graphene quantum dots as a bioimaging platform. 2015 , 51, 2544-6		236
471	Uncovering the pKa dependent fluorescence quenching of carbon dots induced by chlorophenols. 2015 , 7, 6348-55		28
470	Fe(3+)-functionalized carbon quantum dots: A facile preparation strategy and detection for ascorbic acid in rat brain microdialysates. <i>Talanta</i> , 2015 , 144, 1301-7	6.2	44
469	Heteroatom-Doped Graphene-Based Materials for Energy-Relevant Electrocatalytic Processes. 2015 , 5, 5207-5234		675
468	A label-free photoelectrochemical aptasensor based on nitrogen-doped graphene quantum dots for chloramphenicol determination. 2015 , 74, 1016-21		116
467	Graphene quantum dots in analytical science. 2015 , 72, 93-113		157
466	Size and Dopant Dependent Single Particle Fluorescence Properties of Graphene Quantum Dots. 2015 , 119, 17988-17994		35
465	Green Synthesis of Bifunctional Fluorescent Carbon Dots from Garlic for Cellular Imaging and Free Radical Scavenging. 2015 , 7, 17054-60		352
464	Facile synthesis of carbon nanodots from ethanol and their application in ferric(III) ion assay. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15068-15073	13	60

463	Nitrogen and sulfur co-doped carbon dots for highly selective and sensitive detection of Hg (II) ions. 2015 , 74, 263-9		248
462	DNA-modified graphene quantum dots as a sensing platform for detection of Hg ²⁺ in living cells. <i>RSC Advances</i> , 2015 , 5, 39587-39591	3.7	38
461	One-pot green synthesis of oxygen-rich nitrogen-doped graphene quantum dots and their potential application in pH-sensitive photoluminescence and detection of mercury(II) ions. <i>Talanta</i> , 2015 , 142, 131-9	6.2	123
460	Colorimetric detection of iron ions (III) based on the highly sensitive plasmonic response of the N-acetyl-L-cysteine-stabilized silver nanoparticles. <i>Analytica Chimica Acta</i> , 2015 , 879, 118-25	6.6	75
459	Luminescent Copper Nanoclusters as a Specific Cell-Imaging Probe and a Selective Metal Ion Sensor. 2015 , 119, 24657-24664		120
458	One-step synthesis of fluorescent silicon quantum dots (Si-QDs) and their application for cell imaging. <i>RSC Advances</i> , 2015 , 5, 83581-83587	3.7	54
457	An acid-free microwave approach to prepare highly luminescent boron-doped graphene quantum dots for cell imaging. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 9109-9114	7.3	72
456	Highly luminescent N, S- Co-doped carbon dots and their direct use as mercury(II) sensor. <i>Analytica Chimica Acta</i> , 2015 , 890, 134-42	6.6	116
455	Graphene-based nanoprobe for molecular diagnostics. 2015 , 140, 6439-51		7
454	Europium-decorated graphene quantum dots as a fluorescent probe for label-free, rapid and sensitive detection of Cu(2+) and L-cysteine. <i>Analytica Chimica Acta</i> , 2015 , 891, 261-8	6.6	59
453	Rhodamine-Functionalized Graphene Quantum Dots for Detection of Fe(3+) in Cancer Stem Cells. 2015 , 7, 23958-66		142
452	Facile synthesis of nitrogen-doped carbon dots and its application as sensing probes for serum iron. 2015 , 17, 1		10
451	Preparation of highly photoluminescent sulfur-doped carbon dots for Fe(III) detection. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 542-546	13	436
450	The Sensitive Turn-On Fluorescence Detection of Ascorbic Acid Based on Iron(III)-Modulated Nitrogen-Doped Graphene Quantum Dots. <i>Journal of Fluorescence</i> , 2016 , 26, 1755-62	2.4	23
449	One-pot synthesis of sulfur-doped graphene quantum dots as a novel fluorescent probe for highly selective and sensitive detection of lead(II). <i>RSC Advances</i> , 2016 , 6, 69977-69983	3.7	72
448	Potassium doping: Tuning the optical properties of graphene quantum dots. 2016 , 6, 075116		43
447	Design of Multiple Logic Gates Based on Chemically Triggered Fluorescence Switching of Functionalized Polyethylenimine. 2016 , 8, 9472-82		32
446	Green light-emitting polyepinephrine-based fluorescent organic dots and its application in intracellular metal ions sensing. 2016 , 83, 134-41		33

445	Selective extraction by dissolvable (nitrioloacetic acid-nickel)-layered double hydroxide coupled with reaction with potassium thiocyanate for sensitive detection of iron(III). <i>Talanta</i> , 2016 , 154, 416-22	6.2	9
444	Graphene quantum dots as smart probes for biosensing. <i>Analytical Methods</i> , 2016 , 8, 4001-4016	3.2	91
443	Influence of Doping and Temperature on Solvatochromic Shifts in Optical Spectra of Carbon Dots. 2016 , 120, 10591-10604		132
442	A general sensing strategy for detection of Fe ³⁺ by using amino acid-modified graphene quantum dots as fluorescent probe. <i>Applied Surface Science</i> , 2016 , 389, 995-1002	6.7	44
441	Highly Sensitive and Selective Detection of Nanomolar Ferric Ions Using Dopamine Functionalized Graphene Quantum Dots. 2016 , 8, 21002-10		131
440	Tuning Optical Properties and Photocatalytic Activities of Carbon-based "Quantum Dots" Through their Surface Groups. 2016 , 16, 219-30		60
439	Green, simple and large scale synthesis of N-doped graphene quantum dots with uniform edge groups by electrochemical bottom-up synthesis. <i>RSC Advances</i> , 2016 , 6, 82648-82653	3.7	26
438	Chemically clean single-step oxido-reductive synthesis of green luminescent graphene quantum dots as impending electrocatalyst. 2016 , 109, 517-528		20
437	Shining carbon dots: Synthesis and biomedical and optoelectronic applications. 2016 , 11, 565-586		421
436	Effects of elemental doping on the photoluminescence properties of graphene quantum dots. <i>RSC Advances</i> , 2016 , 6, 91225-91232	3.7	44
435	Effect of reaction temperature on structure and fluorescence properties of nitrogen-doped carbon dots. <i>Applied Surface Science</i> , 2016 , 387, 1236-1246	6.7	64
434	A sensitive and selective sensing platform based on CdTe QDs in the presence of l-cysteine for detection of silver, mercury and copper ions in water and various drinks. 2016 , 213, 306-312		99
433	Facile synthesis of multi-responsive functional graphene quantum dots for sensing metal cations. <i>RSC Advances</i> , 2016 , 6, 103006-103011	3.7	10
432	Graphene quantum dots: recent progress in preparation and fluorescence sensing applications. <i>RSC Advances</i> , 2016 , 6, 110775-110788	3.7	87
431	Hybrid Graphene Quantum Dots@Graphene Foam Nanosheets for Dye-Sensitized Solar Cell Electrodes. 2016 , 4, 256-262		11
430	Sulfur and Nitrogen co-doped graphene quantum dot decorated ZnO nanorod/polymer hybrid flexible device for photosensing applications. 2016 , 612, 274-283		33
429	One step electrosynthesis of conjugated polymers thin film for Fe ³⁺ detection and its potential application. 2016 , 237, 59-66		11
428	Sensing materials developed and applied for bio-active Fe ³⁺ recognition in water environment. <i>Analytical Methods</i> , 2016 , 8, 5738-5754	3.2	59

427	Highly luminescent N-doped carbon quantum dots from lemon juice with porphyrin-like structures surrounded by graphitic network for sensing applications. <i>RSC Advances</i> , 2016 , 6, 59927-59934	3.7	39
426	Fluorescent nanoprobe for sensing and imaging of metal ions: recent advances and future perspectives. 2016 , 11, 309-329		173
425	Sensitive determination of tannic acid using blue luminescent graphene quantum dots as fluorophore. <i>RSC Advances</i> , 2016 , 6, 59900-59906	3.7	11
424	An Elaborate Supramolecular Assembly for a Smart Nanodevice for Ratiometric Molecular Recognition and Logic Gates. 2016 , 22, 8339-45		11
423	Facilely synthesized N-doped carbon quantum dots with high fluorescent yield for sensing Fe ³⁺ . <i>New Journal of Chemistry</i> , 2016 , 40, 2083-2088	3.6	111
422	Microwave assisted one-pot synthesis of graphene quantum dots as highly sensitive fluorescent probes for detection of iron ions and pH value. <i>Talanta</i> , 2016 , 150, 54-60	6.2	122
421	Development of a biosensing system for tacrine based on nitrogen-doped graphene quantum dots and acetylcholinesterase. 2016 , 141, 2688-95		17
420	Nitrogen and Phosphorus Co-Doped Carbon Nanodots as a Novel Fluorescent Probe for Highly Sensitive Detection of Fe(3+) in Human Serum and Living Cells. 2016 , 8, 10717-25		238
419	A highly selective, sensitive and turn-on fluorescent sensor for the paramagnetic Fe ³⁺ ion. 2016 , 230, 199-205		22
418	Fluorescent probes for "off-on" highly sensitive detection of Hg ²⁺ and L-cysteine based on nitrogen-doped carbon dots. <i>Talanta</i> , 2016 , 152, 288-300	6.2	119
417	Signal-on fluorescent sensor based on GQDs/MnO ₂ composite for glutathione. <i>Analytical Methods</i> , 2016 , 8, 2366-2374	3.2	26
416	Switch-on fluorescent strategy based on N and S co-doped graphene quantum dots (N-S/GQDs) for monitoring pyrophosphate ions in synovial fluid of arthritis patients. 2016 , 229, 217-224		52
415	Highly Selective Fluorescence Determination of the Hematin Level in Human Erythrocytes with No Need for Separation from Bulk Hemoglobin. <i>Analytical Chemistry</i> , 2016 , 88, 3935-44	7.8	20
414	Nitrogen/sulfur dual-doped 3D reduced graphene oxide networks-supported CoFe ₂ O ₄ with enhanced electrocatalytic activities for oxygen reduction and evolution reactions. 2016 , 99, 195-202		122
413	A fluorescent imaging assay of cast in renal disease based on graphene quantum dots and Fe ₃ O ₄ nanoparticles. 2016 , 454, 94-101		11
412	Chemically doped fluorescent carbon and graphene quantum dots for bioimaging, sensor, catalytic and photoelectronic applications. 2016 , 8, 2532-43		356
411	A fast, sensitive and stable fluorescent fiber-optic chemosensor for quantitative detection of Fe ³⁺ in real water and HepG2 living cells. 2016 , 225, 405-412		15
410	The third way in analytical nanoscience and nanotechnology: Involvement of nanotools and nanoanalytes in the same analytical process. 2016 , 75, 1-9		36

409	A reversible rhodamine 6G-based fluorescence turn-on probe for Fe ³⁺ in water and its application in living cell imaging. <i>RSC Advances</i> , 2016 , 6, 111754-111759	3.7	13
408	2-Dimensional graphene as a route for emergence of additional dimension nanomaterials. 2017 , 89, 8-27		25
407	Surface passivation of carbon dots with ethylene glycol and their high-sensitivity to Fe ³⁺ . <i>RSC Advances</i> , 2017 , 7, 2810-2816	3.7	50
406	Fluorescent Gold Clusters as Logic Gates for the Detection of Different Metal Ions. 2017 , 64, 133-137		3
405	A highly sensitive and selective naked-eye probe for detection of Fe ³⁺ based on a 2,5-bis[3-benzyl-2-methylbenzothiazole]-croconaine. 2017 , 73, 1350-1357		9
404	A core-shell metal-organic-framework (MOF)-based smart nanocomposite for efficient NIR/HO-responsive photodynamic therapy against hypoxic tumor cells. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 2390-2394	7.3	55
403	Chemical redox modulated fluorescence of nitrogen-doped graphene quantum dots for probing the activity of alkaline phosphatase. 2017 , 94, 271-277		82
402	Fe ₃ C@Fe/N Doped Graphene-Like Carbon Sheets as a Highly Efficient Catalyst in Al-Air Batteries. 2017 , 164, F475-F483		31
401	Nitrogen doped graphene quantum dots: Efficient fluorescent chemosensor for the selective and sensitive detection of 2,4,6-trinitrophenol. 2017 , 245, 938-945		58
400	Facile and scalable preparation of highly luminescent N,S co-doped graphene quantum dots and their application for parallel detection of multiple metal ions. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 6593-6600	7.3	78
399	Rigidly Tethered Bis-phosphoric Acids: Generation of Tunable Chiral Fluorescent Frameworks and Unexpected Selectivity for the Detection of Ferric Ions. 2017 , 23, 10058-10067		11
398	Photoluminescence suppression effect caused by histamine on amino-functionalized graphene quantum dots with the mediation of Fe ³⁺ , Cu ²⁺ , Eu ³⁺ : Application in the analysis of spoiled tuna fish. <i>Microchemical Journal</i> , 2017 , 133, 448-459	4.8	18
397	Controlled synthesis of soluble conjugated polymeric nanoparticles for fluorescence detection. <i>RSC Advances</i> , 2017 , 7, 25740-25745	3.7	8
396	Bi-functional fluorescent polymer dots: a one-step synthesis via controlled hydrothermal treatment and application as probes for the detection of temperature and Fe ³⁺ . 2017 , 5, 434-443		31
395	Highly fluorescent carbon dots as selective and visual probes for sensing copper ions in living cells via an electron transfer process. 2017 , 97, 157-163		119
394	Highly Fe-Selective Fluorescent Nanoprobe Based on Ultrabright N/P Codoped Carbon Dots and Its Application in Biological Samples. <i>Analytical Chemistry</i> , 2017 , 89, 7477-7484	7.8	202
393	Signal-on fluorescent sensor based on N-CQDs for the detection of glutathione in human serum and pharmaceutical preparation. 2017 , 47, 835-840		11
392	Large-area uniform electron doping of graphene by Ag nanofilm. 2017 , 7, 045209		9

391	Unraveling the Hydrogen Evolution Reaction Active Sites in N-Functionalized Interconnected Graphene Quantum Dots. <i>ChemistrySelect</i> , 2017 , 2, 4511-4515	1.8	6
390	Onion derived carbon nanodots for live cell imaging and accelerated skin wound healing. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 6579-6592	7.3	60
389	Amino acid derivatized carbon dots with tunable selectivity as logic gates for fluorescent sensing of metal cations. 2017 , 184, 3179-3187		11
388	Simultaneously fabrication of free and solidified N, S-doped graphene quantum dots via a facile solvent-free synthesis route for fluorescent detection. <i>Talanta</i> , 2017 , 168, 269-278	6.2	49
387	pH-Responsive fluorescent graphene quantum dots for fluorescence-guided cancer surgery and diagnosis. 2017 , 9, 4928-4933		81
386	Red Emission B, N, S-co-Doped Carbon Dots for Colorimetric and Fluorescent Dual Mode Detection of Fe Ions in Complex Biological Fluids and Living Cells. 2017 , 9, 12663-12672		329
385	Supramolecular interactions via hydrogen bonding contributing to citric-acid derived carbon dots with high quantum yield and sensitive photoluminescence. <i>RSC Advances</i> , 2017 , 7, 20345-20353	3.7	41
384	Fluorescence detection of dopamine based on nitrogen-doped graphene quantum dots and visible paper-based test strips. <i>Analytical Methods</i> , 2017 , 9, 2246-2251	3.2	36
383	Carbon dots doped with heteroatoms for fluorescent bioimaging: a review. 2017 , 184, 343-368		200
382	Synthesis of high fluorescence graphene quantum dots and their selective detection for Fe ³⁺ in aqueous solution. 2017 , 243, 863-872		50
381	D-penicillamine-functionalized graphene quantum dots for fluorescent detection of Fe ³⁺ in iron supplement oral liquids. 2017 , 243, 211-220		41
380	Thioacetamide-derived nitrogen and sulfur co-doped carbon nanoparticles used for label-free detection of copper(II) ions and bioimaging applications. <i>New Journal of Chemistry</i> , 2017 , 41, 13742-13746	2.6	8
379	Highly Efficient Fluorescent Carbon Quantum Dots: Synthesis, Properties and Applications. 2017 , 81-111		
378	Facile and large-scale synthesis of green-emitting carbon nanodots from aspartame and the applications for ferric ions sensing and cell imaging. 2017 , 62, 1256-1266		22
377	Tumor Cell-Specific Nuclear Targeting of Functionalized Graphene Quantum Dots In Vivo. 2017 , 28, 2608-2619		19
376	A redox-modulated fluorescent strategy for the highly sensitive detection of metabolites by using graphene quantum dots. <i>Analytica Chimica Acta</i> , 2017 , 990, 150-156	6.6	4
375	A highly selective optical probe for sensing of Fe ³⁺ based on a water-soluble croconaine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 347, 130-137	4.7	9
374	53% Efficient Red Emissive Carbon Quantum Dots for High Color Rendering and Stable Warm White-Light-Emitting Diodes. 2017 , 29, 1702910		405

373	Pyronin B-Graphene Oxide-Based Turn-On Fluorescent Sensors for Fe ³⁺ in an Aqueous Medium: Synthesis and Living Cell Application. <i>ChemistrySelect</i> , 2017 , 2, 10889-10894	1.8	3
372	Rapid, Acid-Free Synthesis of High-Quality Graphene Quantum Dots for Aggregation Induced Sensing of Metal Ions and Bioimaging. 2017 , 2, 8051-8061		52
371	Exceptionally High Payload of the IR780 Iodide on Folic Acid-Functionalized Graphene Quantum Dots for Targeted Photothermal Therapy. 2017 , 9, 22332-22341		122
370	Synthesis and evaluation of a new furfuran-based rhodamine B fluorescent chemosensor for selective detection of Fe ³⁺ and its application in living-cell imaging. 2017 , 253, 292-301		25
369	Sulfur-Doped Graphene Oxide Quantum Dots as Photocatalysts for Hydrogen Generation in the Aqueous Phase. 2017 , 10, 3260-3267		33
368	Sesame-derived ions co-doped fluorescent carbon nanoparticles for bio-imaging, sensing and patterning applications. 2017 , 253, 900-910		22
367	Unique Approach To Develop Carbon Dot-Based Nanohybrid Near-Infrared Ratiometric Fluorescent Sensor for the Detection of Mercury Ions. <i>Analytical Chemistry</i> , 2017 , 89, 8044-8049	7.8	135
366	Electrolyzing synthesis of boron-doped graphene quantum dots for fluorescence determination of Fe ions in water samples. <i>Talanta</i> , 2017 , 164, 100-109	6.2	58
365	Near-Ultraviolet Fluorescent "ON-OFF-ON" Switching Sensors Based on Nitrogen-Enriched Dual-Color Single-Functional Polymer Carbon Nanosheets. 2017 , 23, 665-675		22
364	Colorimetric measurement of Fe ³⁺ using a functional paper-based sensor based on catalytic oxidation of gold nanoparticles. 2017 , 242, 1265-1271		29
363	An efficient fluorescent probe for fluazinam using N, S co-doped carbon dots from l-cysteine. 2017 , 239, 1033-1041		73
362	Bright Multicolor Bandgap Fluorescent Carbon Quantum Dots for Electroluminescent Light-Emitting Diodes. 2017 , 29, 1604436		437
361	Facile synthesis of sulfur-doped graphene quantum dots as fluorescent sensing probes for Ag ⁺ ions detection. 2017 , 242, 231-237		154
360	Novel formaldehyde sensor based on hydrogen peroxide /melamine modulated photoluminescence of nitrogen-doped graphene quantum dots. 2017 , 32, 1481-1486		2
359	Facile synthesis of N-rich carbon quantum dots from porphyrins as efficient probes for bioimaging and biosensing in living cells. 2017 , 12, 7375-7391		80
358	MoS ₂ -QD-Based Dual-Model Photoluminescence Sensing Platform for Effective Determination of Al ³⁺ and Fe ³⁺ Simultaneously in Various Environment. <i>ChemistrySelect</i> , 2018 , 3, 2326-2331	1.8	15
357	White Light-Emitting Multistimuli-Responsive Hydrogels with Lanthanides and Carbon Dots. 2018 , 10, 10409-10418		102
356	Deciphering acetaminophen electrical catalytic degradation using single-form S doped graphene/Pt/TiO ₂ . 2018 , 343, 662-675		38

355	Positive carbon dots with dual roles of nanoquencher and reference signal for the ratiometric fluorescence sensing of DNA. 2018 , 264, 193-201		27
354	Electrochemically prepared oxygen and sulfur co-doped graphitic carbon nitride quantum dots for fluorescence determination of copper and silver ions and biothiols. <i>Analytica Chimica Acta</i> , 2018 , 1027, 121-129	6.6	41
353	Tuning the optical properties of graphene quantum dots for biosensing and bioimaging. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3219-3234	7.3	106
352	Effect of capping agent on selectivity and sensitivity of CdTe quantum dots optical sensor for detection of mercury ions. <i>Optical Materials</i> , 2018 , 79, 331-335	3.3	31
351	Highly selective and sensitive optical probe for Fe ³⁺ based on a water-soluble squarylium dye. <i>Analytical Methods</i> , 2018 , 10, 2353-2359	3.2	6
350	A convenient way of activating carbon quantum dots and the efficient isolation. 2018 , 104, 119-123		5
349	All-inorganic CsPbBr ₃ perovskite quantum dots as a photoluminescent probe for ultrasensitive Cu ²⁺ detection. 2018 , 6, 4793-4799		52
348	Human fingernails as an intriguing precursor for the synthesis of nitrogen and sulfur-doped carbon dots with strong fluorescent properties: Analytical and bioimaging applications. 2018 , 267, 494-501		42
347	Investigation of sulfur related defects in graphene quantum dots for tuning photoluminescence and high quantum yield. <i>Applied Surface Science</i> , 2018 , 449, 363-370	6.7	43
346	Ratiometric and selective fluorescent sensor for Fe(III) and bovine serum albumin based on energy transfer. 2018 , 262, 228-235		19
345	Thermal Effect of Sulfur Doping for Luminescent Graphene Quantum Dots. 2018 , 7, M29-M34		44
344	Facile preparation and characterization of new green emitting carbon dots for sensitive and selective off/on detection of Fe ion and ascorbic acid in water and urine samples and intracellular imaging in living cells. <i>Talanta</i> , 2018 , 183, 122-130	6.2	82
343	Carbon quantum dot-based fluorometric nitrite assay by exploiting the oxidation of iron(II) to iron(III). 2018 , 185, 129		22
342	Facile and Highly Effective Synthesis of Controllable Lattice Sulfur-Doped Graphene Quantum Dots via Hydrothermal Treatment of Durian. 2018 , 10, 5750-5759		131
341	Fluorescent TPA@GQDs Probe for Sensitive Assay and Quantitative Imaging of Hydroxyl Radicals in Living Cells. 2018 , 10, 5853-5861		41
340	Synthesis, mechanical investigation, and application of nitrogen and phosphorus co-doped carbon dots with a high photoluminescent quantum yield. 2018 , 11, 3691-3701		55
339	Tailoring the Electronic Properties of Graphene Quantum Dots by P Doping and Their Enhanced Performance in Metal-Free Composite Photocatalyst. 2018 , 122, 349-358		78
338	Electrochemical Cutting in Weak Aqueous Electrolytes: The Strategy for Efficient and Controllable Preparation of Graphene Quantum Dots. 2018 , 34, 250-258		49

337	The chemical redox modulated switch-on fluorescence of carbon dots for probing alkaline phosphatase and its application in an immunoassay. <i>RSC Advances</i> , 2018 , 8, 162-169	3.7	17
336	An ion quencher operated lamp for multiplexed fluorescent bioassays. 2018 , 410, 1427-1434		1
335	Nanomaterial-based optical chemical sensors for the detection of heavy metals in water: Recent advances and challenges. 2018 , 100, 155-166		140
334	S-doped graphene quantum dots as nanophotocatalyst for visible light degradation. 2018 , 29, 1698-1701		38
333	One-Step Synthesis of N-Doped Graphene Quantum Dots from Chitosan as a Sole Precursor Using Chemical Vapor Deposition. 2018 , 122, 2343-2349		67
332	Theoretical study on the optical and electronic properties of graphene quantum dots doped with heteroatoms. 2018 , 20, 15244-15252		47
331	Fluorimetric and colorimetric analysis of total iron ions in blood or tap water using nitrogen-doped carbon dots with tunable fluorescence. <i>New Journal of Chemistry</i> , 2018 , 42, 9676-9683	3.6	14
330	Temperature sensing using sulfur-doped carbon nanoparticles. 2018 , 133, 200-208		17
329	GSH-doped GQDs using citric acid rich-lime oil extract for highly selective and sensitive determination and discrimination of Fe and Fe in the presence of HO by a fluorescence "turn-off" sensor.. <i>RSC Advances</i> , 2018 , 8, 10148-10157	3.7	16
328	A novel electrochemiluminescence resonance energy transfer system of luminol-graphene quantum dot composite and its application in HO detection. <i>Talanta</i> , 2018 , 185, 446-452	6.2	31
327	Facile synthesis of sulfur-doped carbon quantum dots from vitamin B1 for highly selective detection of Fe ³⁺ ion. <i>Optical Materials</i> , 2018 , 77, 258-263	3.3	66
326	Coal-derived nitrogen, phosphorus and sulfur co-doped graphene quantum dots: A promising ion fluorescent probe. <i>Applied Surface Science</i> , 2018 , 445, 519-526	6.7	36
325	Supramolecular nanodots derived from citric acid and beta-amines with high quantum yield and sensitive photoluminescence. <i>Optical Materials</i> , 2018 , 77, 48-54	3.3	12
324	Green synthesis of carbon quantum dots from lignite coal and the application in Fe ³⁺ detection. 2018 , 113, 012063		11
323	Synthesis of green fluorescent carbon quantum dots using waste polyolefins residue for Cu ²⁺ ion sensing and live cell imaging. 2018 , 254, 197-205		80
322	QPRTase modified N-doped carbon quantum dots: A fluorescent bioprobe for selective detection of neurotoxin quinolinic acid in human serum. 2018 , 101, 103-109		27
321	Dual colorimetric and fluorescent determination of iron (III) using a novel squaraine dye. 2018 , 46, 292-306		3
320	Fluorescence resonance energy transfer aptasensor between nanoceria and graphene quantum dots for the determination of ochratoxin A. <i>Analytica Chimica Acta</i> , 2018 , 1000, 265-272	6.6	63

319	Lanthanum loaded graphitic carbon nitride nanosheets for highly sensitive and selective fluorescent detection of iron ions. 2018 , 255, 2218-2222		24
318	A new three-dimensional bis(benzimidazole)-based cadmium(II) coordination polymer. 2018 , 189, 613-620		16
317	Porphyrin nanosphere-graphene oxide composite for enhanced electrochemiluminescence and sensitive detection of Fe ³⁺ in human serum. 2018 , 257, 331-339		21
316	Electrochemiluminescence of nitrogen- and sulfur-doped graphene quantum dots. 2018 , 129, 45-53		123
315	Functionalized Eu(III)-Based Nanoscale Metal-Organic Framework To Achieve Near-IR-Triggered and -Targeted Two-Photon Absorption Photodynamic Therapy. 2018 , 57, 300-310		45
314	S,N-doped carbon dots as a fluorescent probe for bilirubin. 2017 , 185, 11		56
313	Cu modulated nitrogen-doped grapheme quantum dots as a turn-off/on fluorescence sensor for the selective detection of histidine in biological fluid. 2018 , 189, 195-201		24
312	Effects of Coal Rank and High Organic Sulfur on the Structure and Optical Properties of Coal-based Graphene Quantum Dots. 2018 , 92, 1218-1230		7
311	Recent Advances in the Cancer Bioimaging with Graphene Quantum Dots. 2018 , 25, 2876-2893		37
310	Construction and comparison of BSA-stabilized functionalized GQD composite fluorescent probes for selective trypsin detection. <i>New Journal of Chemistry</i> , 2018 , 42, 17718-17724	3.6	4
309	A novel fluorescent sensor for water in organic solvents based on dynamic quenching of carbon quantum dots. <i>New Journal of Chemistry</i> , 2018 , 42, 18787-18793	3.6	16
308	Investigation on Tunable Optical Properties and Structures of Graphene Quantum Dots Doped with Sulfur-Containing Groups. 2018 , 7, M180-M185		1
307	Using Thermolytic Solution of Anionic - Decorated Gqds as Fluorescence Turn on-off Sensor for Selective Screening Test of Metal Ions. 2018 , 34, 55-63		2
306	A highly sensitive and selective optical probe for detection of Hg ²⁺ based on a 2,5-bis[2-(benzylthio)aniline]-croconaine. 2018 , 175, 54-62		4
305	Nitrogen-doped graphene quantum dots as highly sensitive and selective fluorescence sensor detection of iodide ions in milk powder. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 367, 452-457	4.7	13
304	A double fluorescent nanoprobe based on phosphorus/nitrogen co-doped carbon dots for detecting dichromate ions and dopamine.. <i>RSC Advances</i> , 2018 , 8, 31793-31802	3.7	14
303	WITHDRAWN: Synthesis of sulfur-rich nitrogen dots through microwave-assisted strategy for cell imaging. 2018 ,		
302	Novel carbon quantum dots for fluorescent detection of phenol and insights into the mechanism. <i>New Journal of Chemistry</i> , 2018 , 42, 11485-11492	3.6	17

301	N-doped carbon quantum dots as fluorescent probes for highly selective and sensitive detection of Fe ³⁺ ions. 2018 , 41, 94-100		48
300	Red fluorescent carbon dots with phenylboronic acid tags for quick detection of Fe(III) in PC12 cells. 2018 , 526, 487-496		54
299	Sustainable synthesis of single crystalline sulphur-doped graphene quantum dots for bioimaging and beyond. 2018 , 20, 4245-4259		66
298	Facile synthesis of bagasse waste derived carbon dots for trace mercury detection. <i>Materials Research Express</i> , 2018 , 5, 065044	1.7	11
297	Synthesis of white fluorescent pyrrolic nitrogen-doped graphene quantum dots. <i>Optical Materials</i> , 2018 , 83, 306-314	3.3	21
296	Green synthesis of fluorescent carbon dots from <i>Borassus flabellifer</i> flowers for label-free highly selective and sensitive detection of Fe ³⁺ ions. <i>New Journal of Chemistry</i> , 2018 , 42, 13297-13307	3.6	40
295	Bright-blue-emission nitrogen and phosphorus-doped carbon quantum dots as a promising nanoprobe for detection of Cr(VI) and ascorbic acid in pure aqueous solution and in living cells. <i>New Journal of Chemistry</i> , 2018 , 42, 12990-12997	3.6	44
294	Photoluminescence tuning in carbon dots: surface passivation or/and functionalization, heteroatom doping. 2018 , 6, 7944-7970		181
293	Nitrogen-Rich D-EA Structural Carbon Quantum Dots with a Bright Two-Photon Fluorescence for Deep-Tissue Imaging.. 2018 , 1, 853-858		30
292	Green and Facile Synthesis of Nitrogen and Phosphorus Co-Doped Carbon Quantum Dots towards Fluorescent Ink and Sensing Applications. <i>Nanomaterials</i> , 2018 , 8,	5.4	46
291	Nitrogen-Doped Carbon Nanoparticles Derived from Silkworm Excrement as On/Off/On Fluorescent Sensors to Detect Fe(III) and Biothiols. <i>Nanomaterials</i> , 2018 , 8,	5.4	22
290	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. 2018 , 273, 1735-1743		39
289	IRMOF-3: A fluorescent nanoscale metal organic frameworks for selective sensing of glucose and Fe (III) ions without any modification. 2018 , 92, 913-921		26
288	High fluorescent sulfur regulating graphene quantum dots with tunable photoluminescence properties. 2018 , 529, 205-213		16
287	Nitrogen and sulfur co-doped graphene quantum dots for the highly sensitive and selective detection of mercury ion in living cells. 2019 , 206, 588-596		40
286	Calcium-Induced Photoluminescence Quenching of Graphene Quantum Dots in Hard Water: A Quick Turn-Off Sensing Approach. <i>ChemistrySelect</i> , 2019 , 4, 8682-8688	1.8	0
285	ZnMOF-74 responsive fluorescence sensing platform for detection of Fe ³⁺ . <i>Microchemical Journal</i> , 2019 , 150, 104154	4.8	20
284	Sustainable fabrication of green luminescent sulfur-doped graphene quantum dots for rapid visual detection of hemoglobin. <i>Analytical Methods</i> , 2019 , 11, 4421-4430	3.2	16

283	Reed-derived fluorescent carbon dots as highly selective probes for detecting Fe and excellent cell-imaging agents.. <i>RSC Advances</i> , 2019 , 9, 21715-21723	3-7	4
282	Graphene Quantum Dots for Optical Bioimaging. <i>Small</i> , 2019 , 15, e1902136	11	92
281	Carbon Dot-functionalized Interferometric Optical Fiber Sensor for Detection of Ferric Ions in Biological Samples. 2019 , 11, 28546-28553		37
280	Effect of sulfur doping on fluorescence and quantum yield of graphene quantum dots: an experimental and theoretical investigation. 2019 , 30, 435704		36
279	A uniform stable P-type graphene doping method with a gold etching process. 2019 , 30, 405205		4
278	A carbon dotsBased nanoprobe for intracellular Fe ³⁺ detection. <i>Materials Today Chemistry</i> , 2019 , 13, 121-127	6.2	18
277	Rhodamine probes for Fe: theoretical calculation for specific recognition and instant fluorescent bioimaging. 2019 , 11, 1859-1869		4
276	NitrogenSulfur-Doped Graphene Quantum Dots with Metal Ion-Resistance for Bioimaging. 2019 , 2, 6858-6865		23
275	Bacillus licheniformis escapes from Myxococcus xanthus predation by deactivating myxovirescin A through enzymatic glucosylation. 2019 , 21, 4755-4772		12
274	Facile Synthesis of Nitrogen-Doped Carbon Quantum Dots with Chitosan for Fluorescent Detection of Fe. 2019 , 11,		26
273	Graphene Quantum DotsA New Member of the Graphene Family: Structure, Properties, and Biomedical Applications. 2019 , 267-299		
272	Highly Sensitive and Selective Fluorescence Probe for 2,4-Dinitrophenylhydrazine Detection in Wastewater Using Water-Soluble CdTe QDs. 2019 , 95, 895-900		8
271	Graphene Quantum Dot Embedded Hydrogel for Dissolved Iron Sensing. <i>ChemistrySelect</i> , 2019 , 4, 9640-9646	16	6
270	Nitrogen-doped carbon dots with high quantum yield for colorimetric and fluorometric detection of ferric ions and in a fluorescent ink. 2019 , 186, 67		41
269	Sulfur-doped graphene quantum dot-based paper sensor for highly sensitive and selective detection of 4-nitrophenol in contaminated water and wastewater.. <i>RSC Advances</i> , 2019 , 9, 26588-26597	3-7	25
268	Development of Graphene Quantum Dots-Based Optical Sensor for Toxic Metal Ion Detection. 2019 , 19,		40
267	Dual-functional fluorescent sensors based on CaMoO ₄ :Eu ³⁺ for detection of Iron(III) and dichromate ions in aqueous. <i>Optical Materials</i> , 2019 , 96, 109342	3-3	12
266	Nitrogen Doped Carbon Quantum Dots Modified by Lens culinaris β -Galactosidase as a Fluorescent Probe for Detection of Lactose. <i>Journal of Fluorescence</i> , 2019 , 29, 1213-1219	2-4	5

265	Fluorescence biosensor for Fe(III) in cells based on Fe(III) catalyze Au-nanocomposites release Au NPs. 2019 , 286, 16-21		10
264	Fluorescent Sensors for the Detection of Heavy Metal Ions in Aqueous Media. 2019 , 19,		102
263	Facile synthesis of sulfur and nitrogen codoped graphene quantum dots for optical sensing of Hg and Ag ions. <i>Chemical Physics Letters</i> , 2019 , 730, 436-444	2.5	18
262	Single precursor-based luminescent nitrogen-doped carbon dots and their application for iron (III) sensing. 2019 , 12, 1083-1091		23
261	Cu-Doped Carbon Dots as Catalysts for the Chemiluminescence Detection of Glucose. 2019 , 4, 9911-9917		29
260	Future Perspectives and Review on Organic Carbon Dots in Electronic Applications. 2019 , 13, 6224-6255		149
259	Epitaxial Graphene Sensors Combined with 3D-Printed Microfluidic Chip for Heavy Metals Detection. 2019 , 19,		17
258	Rapid and selective detection of Fe (III) by using a smartphone-based device as a portable detector and hydroxyl functionalized metal-organic frameworks as the fluorescence probe. <i>Analytica Chimica Acta</i> , 2019 , 1077, 160-166	6.6	26
257	Aqueous Phase Sensing of Fe and Ascorbic Acid by a Metal-Organic Framework and Its Implication in the Construction of Multiple Logic Gates. 2019 , 14, 2822-2830		6
256	Multifunctional sensing applications of biocompatible N-doped carbon dots as pH and Fe ³⁺ sensors. <i>Microchemical Journal</i> , 2019 , 149, 103981	4.8	22
255	Pyrene-derivatized highly fluorescent carbon dots for the sensitive and selective determination of ferric ions and dopamine. <i>Dyes and Pigments</i> , 2019 , 170, 107574	4.6	32
254	Chlorine-Doped Graphene Quantum Dots with Enhanced Anti- and Pro-Oxidant Properties. 2019 , 11, 21822-21829		44
253	Electronic and optical properties of sulfur and nitrogen doped graphene quantum dots: A theoretical study. 2019 , 113, 130-136		12
252	The Fluorescent Quenching Mechanism of N and S Co-Doped Graphene Quantum Dots with Fe and Hg Ions and Their Application as a Novel Fluorescent Sensor. <i>Nanomaterials</i> , 2019 , 9,	5.4	18
251	Conjugated polymer nanoparticles based on carbazole for detecting ferric ion (III) with a large Stokes shift and high sensitivity and the application in cell imaging. <i>Dyes and Pigments</i> , 2019 , 168, 68-76	4.6	17
250	An Efficient Fluorescent nanoprobe for recognition of Cu ²⁺ and GSH based on nitrogen co-doped carbon quantum dots, and its logic gate operation. <i>Analytical Methods</i> , 2019 , 11, 2650-2657	3.2	11
249	A review on graphene-based nanocomposites for electrochemical and fluorescent biosensors.. <i>RSC Advances</i> , 2019 , 9, 8778-8881	3.7	342
248	grass-derived carbon dots to selectively detect Fe ions.. <i>RSC Advances</i> , 2019 , 9, 8628-8637	3.7	22

247	A facile hydrothermal method for preparation of fluorescent carbon dots on application of Fe and fingerprint detection. <i>Methods and Applications in Fluorescence</i> , 2019 , 7, 035001	3.1	6
246	Selective, Sensitive and Label-Free Detection of Fe Ion in Tap Water Using Highly Fluorescent Graphene Quantum Dots. <i>Journal of Fluorescence</i> , 2019 , 29, 541-548	2.4	10
245	Pillar[5]arene-based spongy supramolecular polymer gel and its properties in multi-responsiveness, dye sorption, ultrasensitive detection and separation of Fe. 2019 , 15, 3241-3247		18
244	Synthesis of nitrogen-doped graphene quantum dots (N-GQDs) from marigold for detection of Fe ion and bioimaging. 2019 , 217, 60-67		37
243	Dual-binding pyridine and rhodamine B conjugate derivatives as fluorescent chemosensors for ferric ions in aqueous media and living cells. 2019 , 144, 3094-3102		17
242	Novel pillar[5]arene-based supramolecular organic framework gel for ultrasensitive response Fe and F in water. 2019 , 100, 62-69		29
241	2,4,6-Trinitrophenol detection by a new portable sensing gadget using carbon dots as a fluorescent probe. 2019 , 411, 2291-2300		19
240	Highly photoluminescent and temperature-sensitive P,N, B-co-doped carbon quantum dots and their highly sensitive recognition for curcumin.. <i>RSC Advances</i> , 2019 , 9, 8340-8349	3.7	22
239	Nitrogen and chlorine co-doped carbon dots as probe for sensing and imaging in biological samples. 2019 , 6, 181557		12
238	A carbon dot-based ratiometric fluorometric and colorimetric method for determination of ascorbic acid and of the activity of ascorbic acid oxidase. 2019 , 186, 246		28
237	Europium-Doped Lead-Free Cs ₃ Bi ₂ Br ₉ Perovskite Quantum Dots and Ultrasensitive Cu ²⁺ Detection. 2019 , 7, 8397-8404		76
236	Reversible Turn-off-on fluorescence response of Fe(III) towards Rhodamine B based probe in vivo and plant tissues. 2019 , 60, 1363-1369		8
235	One-step sonochemical synthesis of versatile nitrogen-doped carbon quantum dots for sensitive detection of Fe ions and temperature in vitro. 2019 , 101, 352-359		42
234	High efficient adsorption and storage of iodine on S, N co-doped graphene aerogel. 2019 , 373, 705-715		30
233	Green synthesis of carbon dots using the flowers of <i>Osmanthus fragrans</i> (Thunb.) Lour. as precursors: application in Fe and ascorbic acid determination and cell imaging. 2019 , 411, 2715-2727		36
232	A universal facile synthesis of nitrogen and sulfur co-doped carbon dots from cellulose-based biowaste for fluorescent detection of Fe ions and intracellular bioimaging. 2019 , 99, 611-619		45
231	A Practical Guide to Prepare and Synthetically Modify Graphene Quantum Dots. 2019 , 29, 1808740		53
230	Electrochemical synthesis of multicolor fluorescent N-doped graphene quantum dots as a ferric ion sensor and their application in bioimaging. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1494-1502	7.3	61

229	Excitation-independent emission carbon nanoribbon polymer as a ratiometric photoluminescent probe for highly selective and sensitive detection of quercetin. 2019 , 144, 2256-2263		10
228	Tetrabromothiophene-Derived Sulfur-Containing Polymer Dots with Deep-Blue Luminescence and High Sensitivity to Fe ³⁺ . 2019 , 93, 2534-2541		
227	High-activity Mo, S co-doped carbon quantum dot nanozyme-based cascade colorimetric biosensor for sensitive detection of cholesterol. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 7042-7051	7.3	49
226	Facile Synthesis of Sulfur Doped Graphene Quantum Dots for High Performance Supercapacitor Applications. 2019 , 202, 163-170		12
225	Design and synthesis of a vanadate-based ratiometric fluorescent probe for sequential recognition of Cu ions and biothiols. 2019 , 144, 7368-7377		13
224	Synthesis and characterization of graphene quantum dots. 2019 , 5,		4
223	Facile Synthesis of Nitrogen-Rich Carbon Dots as Fertilizers for Mung Bean Sprouts. 2019 , 3, 1800132		30
222	Highly stable and selective measurement of Fe ions under environmentally relevant conditions via an excitation-based multiwavelength method using N, S-doped carbon dots. <i>Environmental Research</i> , 2019 , 170, 443-451	7.9	9
221	Reduced graphene oxide-CdS heterostructure: An efficient fluorescent probe for the sensing of Ag(I) and sunset yellow and a visible-light responsive photocatalyst for the degradation of levofloxacin drug in aqueous phase. 2019 , 245, 143-158		52
220	A 3D binuclear salen-based multifunctional MOF: Degradation of MO dye and highly selective sensing of Fe ³⁺ . 2019 , 99, 113-118		17
219	An integrated microfluidic device with solid-phase extraction and graphene oxide quantum dot array for highly sensitive and multiplex detection of trace metal ions. 2019 , 126, 405-411		31
218	Synthesis of sulfur-rich nitrogen dots from a single source precursor and its application in dual-mode sensing. <i>Talanta</i> , 2019 , 195, 550-557	6.2	6
217	Rhodamine B assisted graphene quantum dots fluorescent sensor system for sensitive recognition of mercury ions. 2019 , 207, 273-281		14
216	Adiabatic and nonadiabatic charge separation dynamics in graphene oxide quantum dots for overall water splitting. 2019 , 30, 045201		2
215	Surface Engineering of Carbon Nanodots (C-Dots) for Biomedical Applications. 2019 , 137-188		6
214	Fluorescent Graphene Quantum Dots for the Determination of Metal Ions. 2019 , 215-239		
213	Sulfur and Nitrogen Co-Doped Graphene Quantum Dots as a Fluorescent Quenching Probe for Highly Sensitive Detection toward Mercury Ions. 2019 , 2, 790-798		44
212	Bimetallic AuCu nanoclusters-based fluorescent chemosensor for sensitive detection of Fe in environmental and biological systems. 2019 , 209, 202-208		18

211	Amino-functionalized graphene quantum dots prepared using high-softening point asphalt and their application in Fe ³⁺ detection. <i>Applied Surface Science</i> , 2019 , 467-468, 446-455	6.7	49
210	High-fluorescent carbon dots (CDs) originated from China grass carp scales (CGCS) for effective detection of Hg(II) ions. <i>Microchemical Journal</i> , 2019 , 145, 718-728	4.8	28
209	Biocompatible AIE material from natural resources: Chitosan and its multifunctional applications. 2020 , 227, 115338		42
208	Development of sulfur doped carbon quantum dots for highly selective and sensitive fluorescent detection of Fe and Fe ions in oral ferrous gluconate samples. 2020 , 226, 117602		16
207	Highly sensitive and selective Fe ³⁺ detection by a water-stable Tb ³⁺ -doped nickel coordination polymer-based turn-off fluorescence sensor. 2020 , 281, 121030		16
206	A novel polythioether-based rhodamine B fluorescent probe via successive click reaction and its application in iron ion detection and cell imaging. 2020 , 228, 117679		9
205	Utilization of doped GQDs for ultrasensitive detection of catastrophic melamine: A new SERS platform. 2020 , 224, 117352		26
204	Electrochemical synthesis of phosphorus and sulfur co-doped graphene quantum dots as efficient electrochemiluminescent immunomarkers for monitoring okadaic acid. 2020 , 304, 127383		32
203	Post-functionalized Al-based metal-organic frameworks for fluorescent detection of total iron in food matrix. 2020 , 86, 103352		5
202	Yttrium vanadates based ratiometric fluorescence probe for alkaline phosphatase activity sensing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 185, 110618	6	7
201	Reinforcing effects of waterproof substrate on the photo-, thermal and pH stabilities of perovskite nanocrystals. 2020 , 817, 152693		6
200	Manipulation of 3D nanocarbon hybrids toward synthesis of N-doped graphene quantum dots with high photoluminescence quantum yield. 2020 , 219, 116827		5
199	Quantitative Understanding of Charge-Transfer-Mediated Fe Sensing and Fast Photoresponse by N-Doped Graphene Quantum Dots Decorated on Plasmonic Au Nanoparticles. 2020 , 12, 4755-4768		28
198	Copper iodide nanoparticles-decorated porous polysulfonamide gel: As effective catalyst for decarboxylative synthesis of N-Arylsulfonamides. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5449	3.1	26
197	Origin of high photoluminescence yield and high SERS sensitivity of nitrogen-doped graphene quantum dots. 2020 , 160, 273-286		43
196	Graphene quantum dots redefine nanobiomedicine. 2020 , 110, 110651		53
195	Spectroscopic studies of the optical properties of carbon dots: recent advances and future prospects. 2020 , 4, 472-488		35
194	A novel "off-on" rhodamine-based colorimetric and fluorescent chemosensor based on hydrolysis driven by aqueous medium for the detection of Fe. 2020 , 229, 117951		15

193	Facile synthesis of novel carbon quantum dots from biomass waste for highly sensitive detection of iron ions. 2020 , 124, 110730		60
192	Synthesis of N, Zn-doped carbon dots for the detection of Fe ions and bactericidal activity against <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020 , 202, 111734	6.7	25
191	Carbon nanomaterials with sp ² or/and sp hybridization in energy conversion and storage applications: A review. 2020 , 26, 349-370		35
190	High Quantum Yield Fluorescent Carbon Nanodots for detection of Fe (III) Ions and Electrochemical Study of Quenching Mechanism. <i>Talanta</i> , 2020 , 209, 120538	6.2	21
189	Selective detection of Fe ions based on fluorescence MXene quantum dots via a mechanism integrating electron transfer and inner filter effect. 2020 , 12, 1826-1832		67
188	S doped silicon quantum dots with high quantum yield as a fluorescent sensor for determination of Fe ³⁺ in water. <i>Optical Materials</i> , 2020 , 110, 110461	3.3	14
187	Decorating sulfur and nitrogen co-doped graphene quantum dots on graphite felt as high-performance electrodes for vanadium redox flow batteries. 2020 , 477, 228709		10
186	The influence of inorganic electrolyte on the properties of carbon quantum dots in electrochemical exfoliation. 2020 , 878, 114673		6
185	A highly selective fluorescent probe for nanomolar detection of ferric ions in the living cells and aqueous media. 2020 , 13, 8697-8707		2
184	Subsequent monitoring of ferric ion and ascorbic acid using graphdiyne quantum dots-based optical sensors. 2020 , 187, 657		14
183	Recent Advances in MXene Nanocomposite-Based Biosensors. 2020 , 10,		21
182	Fluorescence Detection of Glutathione Using N-Doped Graphene Quantum Dots/MnO ₂ Nanoarchitecture. 2020 , 87, 930-937		1
181	Insight into the photophysics of strong dual emission (blue & green) producing graphene quantum dot clusters and their application towards selective and sensitive detection of trace level Fe and Cr ions.. <i>RSC Advances</i> , 2020 , 10, 26613-26630	3.7	5
180	Comparison of N-doped carbon dots synthesized from the main components of plants including cellulose, lignin, and xylose: Characterized, fluorescence mechanism, and potential applications. <i>Dyes and Pigments</i> , 2020 , 183, 108725	4.6	12
179	Starch fermentation wastewater as a precursor to prepare S,N-doped carbon dots for selective Fe(III) detection and carbon microspheres for solution decolorization. <i>Microchemical Journal</i> , 2020 , 159, 105338	4.8	9
178	Heteroatom-doped graphene as sensing materials: a mini review.. <i>RSC Advances</i> , 2020 , 10, 28608-28629	3.7	37
177	Nitrogen-sulfur co-doped pH-insensitive fluorescent carbon dots for high sensitive and selective hypochlorite detection. 2020 , 242, 118721		16
176	Highly sensitive surface plasmon resonance optical detection of ferric ion using CTAB/hydroxylated graphene quantum dots thin film. 2020 , 128, 083105		17

175	Carbon dots doped by nitrogen and sulfur for dual-mode colorimetric and fluorometric determination of Fe and histidine and intracellular imaging of Fe in living cells. 2020 , 187, 562		5
174	High fluorescence LaOBr/coumarin organic/inorganic composite nanomaterials for ultra-sensitive Fe ³⁺ sensing, fluorescence imaging and water-based ink anti-counterfeiting applications. 2020 , 8, 13733-13742 ⁴		
173	Interaction of modified nucleic bases with graphene and doped graphenes: a DFT study. 2020 , 43, 1		0
172	High-Yield Production of Water-Soluble MoS Quantum Dots for Fe Detection and Cell Imaging. <i>Nanomaterials</i> , 2020 , 10,	5-4	
171	Carbon-Based Quantum Dots with Solid-State Photoluminescent: Mechanism, Implementation, and Application. <i>Small</i> , 2020 , 16, e2004621	11	64
170	Heteroatom doped graphene engineering for energy storage and conversion. 2020 , 39, 47-65		214
169	Glutathione Modified Fluorescent CdS QDs Synthesized Using Environmentally Benign Pathway for Detection of Mercury Ions in Aqueous Phase. <i>Journal of Fluorescence</i> , 2020 , 30, 773-785	2.4	11
168	Regulatory Preparation of N/S Doped Carbon Quantum Dots and Their Applications as Fe(III) Ion Sensors. <i>ChemistrySelect</i> , 2020 , 5, 5306-5311	1.8	5
167	A review: recent advances in preparations and applications of heteroatom-doped carbon quantum dots. 2020 , 49, 6915-6938		64
166	Fluorescence quenching of molybdenum disulfide quantum dots for metal ion sensing. 2020 , 151, 729-741		3
165	Phosphorus-doped graphene quantum dots loaded on TiO ₂ for enhanced photodegradation. <i>Applied Surface Science</i> , 2020 , 526, 146724	6.7	13
164	Ultrasensitive Fluorescent Detection of Tetracycline Based on Selective Supramolecular Interaction of Nitrogen Chlorine CoDoped Graphene Quantum Dots. <i>ChemistrySelect</i> , 2020 , 5, 7155-7163	1.8	5
163	Water-soluble coumarin oligomer based ultra-sensitive iron ion probe and applications. 2020 , 320, 128361		7
162	Recent Advancement in Bio-precursor derived graphene quantum dots: Synthesis, Characterization and Toxicological Perspective. 2020 , 31, 292001		19
161	Rational synthesis, characterization, and application of environmentally friendly (polymer/carbon dot) hybrid composite film for fast and efficient UV-assisted Cd ²⁺ removal from water. 2020 , 32,		36
160	Multidimensional graphene structures and beyond: Unique properties, syntheses and applications. 2020 , 113, 100665		37
159	Green synthesis of fluorescent carbon dots using chloroplast dispersions as precursors and application for Fe ion sensing. 2020 , 35, 870-876		9
158	MPA-CdTe quantum dots as "on-off-on" sensitive fluorescence probe to detect ascorbic acid via redox reaction. 2020 , 234, 118249		10

157	Bottom-Up Synthesis of Advanced Carbonaceous Anode Materials Containing Sulfur for Na-Ion Batteries. 2020 , 30, 2000592		16
156	Syntheses, crystal structures, dye degradation and luminescence sensing properties of four coordination polymers. 2020 , 22, 2327-2335		16
155	Detection of Ferric Ions and Catecholamine Neurotransmitters via Highly Fluorescent Heteroatom Co-Doped Carbon Dots. 2020 , 20,		7
154	Dual-Emitting N/S-Doped Carbon Dots-Based Ratiometric Fluorescent and Light Scattering Sensor for High Precision Detection of Fe(III) Ions. <i>Journal of Fluorescence</i> , 2020 , 30, 1007-1013	2.4	7
153	Synthesis of 3-oxadiazole-substituted imidazo[1,2-a]pyridines by nickel immobilized on multifunctional amphiphilic porous polysulfonamide chelamine. <i>New Journal of Chemistry</i> , 2020 , 44, 13062-13073	3.6	19
152	Harnessing biological applications of quantum materials: opportunities and precautions. 2020 , 8, 10498-10525	2	
151	Theoretical Chemistry for Advanced Nanomaterials. 2020 ,		
150	Computational and Experimental Analysis of Carbon Functional Nanomaterials. 2020 , 269-311		
149	Electrochemistry in Carbon-based Quantum Dots. 2020 , 15, 1214-1224		16
148	Yellow emissive nitrogen-doped graphene quantum dots as a label-free fluorescent probe for Fe ³⁺ sensing and bioimaging. 2020 , 104, 107749		16
147	Applications of Graphene Quantum Dots in Biomedical Sensors. 2020 , 20,		75
146	Fluorescent MoS QDs based on IFE for turn-off determination of FOX-7 in real water samples. 2020 , 231, 118131		11
145	Dual functional highly luminescence B, N Co-doped carbon nanodots as nanothermometer and Fe/Fe sensor. 2020 , 10, 3028		36
144	Photoluminescence-tunable carbon dots from synergy effect of sulfur doping and water engineering. 2020 , 388, 124199		20
143	Lanthanide based white-light-emitting hydrogel mediated by fluorescein and carbon dots with high quantum yield and multi-stimuli responsiveness. 2020 , 8, 3380-3385		15
142	Biodegradable and photostable Nb ₂ C MXene quantum dots as promising nanofluorophores for metal ions sensing and fluorescence imaging. 2020 , 309, 127735		50
141	Imaging of living organisms and determination of real water samples using a rhodamine-based Fe(III)-induced fluorescent probe. <i>Microchemical Journal</i> , 2020 , 154, 104587	4.8	3
140	Experimental and Time-Dependent Density Functional Theory Modeling Studies on the Optical Properties of Carbon Nanodots. 2020 , 124, 4684-4692		5

139	Nanocomposite-Based Graphene for Nanosensor Applications. 2020 ,		2
138	A Highly Sensitive Visible-Light Photoelectrochemical Sensor for Pentachlorophenol Based on Synergistic Effect of 2D TiO ₂ Nanosheets and Carbon Dots. 2020 , 167, 046513		3
137	Facile synthesis of fluorescent carbon quantum dots from Betel leafs (Piper betle) for Fe ³⁺ sensing. 2021 , 34, 488-492		8
136	A highly sensitive and selective turn-off fluorescence sensor for Fe ³⁺ detection based on a terbium metal-organic framework. 2021 , 294, 121835		11
135	Boric acid modified S and N co-doped graphene quantum dots as simple and inexpensive turn-on fluorescent nanosensor for quantification of glucose. 2021 , 245, 118892		20
134	A novel "turn-off" fluorescence assay based on acid-copper nanoclusters in deep eutectic solvent micelles for co-aggregation inducing fluorescence enhancement and its application. <i>Talanta</i> , 2021 , 223, 121731	6.2	5
133	Fabrication of multi-functional carbon dots based on "one stone, three birds" strategy and their applications for the dual-mode Fe detection, effective promotion on cell proliferation and treatment on ferric toxicosis. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 767-782	7.3	5
132	Recent Advance in Carbon Dots: From Properties to Applications. 2021 , 39, 1364-1388		7
131	Highly fluorescent nitrogen-doped carbon dots for selective and sensitive detection of Hg ²⁺ and ClO ₄ ⁻ ions and fluorescent ink. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 405, 112934-7	11.7	12
130	Embedding carbon dots in Eu ³⁺ -doped metal-organic framework for label-free ratiometric fluorescence detection of Fe ³⁺ ions. 2021 , 104, 886-895		7
129	Recent advancements in synthesis and property control of graphene quantum dots for biomedical and optoelectronic applications. 2021 , 5, 627-658		22
128	Application of nanoparticles as a chemical sensor for analysis of environmental samples. 2021 , 257-277		
127	Synthesis and Characterization of New Mesoporous Polyurethane-Nitrogen Doped Carbon Dot Nanocomposites: Ultrafast, Highly Selective and Sensitive Turn-off Fluorescent Sensors for Fe Ions. <i>Journal of Fluorescence</i> , 2021 , 31, 517-539	2.4	1
126	Ultrasensitive Fe ³⁺ ion detection based on pH-insensitive fluorescent graphene nanosensors in strong acid and neutral media. <i>New Journal of Chemistry</i> , 2021 , 45, 5829-5836	3.6	
125	Rational design and bioimaging application of water-soluble Fe ³⁺ fluorescent probes. <i>New Journal of Chemistry</i> , 2021 , 45, 5184-5194	3.6	0
124	Recent advances in graphene quantum dot-based optical and electrochemical (bio)analytical sensors. 2021 , 2, 5513-5541		11
123	Fabrication of two-phase Ca-doped LaVO ₄ :Eu structures: morphology modification, tunable optical performance and detection of Fe ions with high sensitivity. 2021 , 50, 11804-11813		1
122	Selective optosensing of iron(III) ions in HeLa cells using NaYF ₄ :Yb/Tm upconversion nanoparticles coated with polyepinephrine. 2021 , 413, 1363-1371		1

121	A Bright Nitrogen-doped-Carbon-Dots based Fluorescent Biosensor for Selective Detection of Copper Ions. 2021 , 5, 84-92		4
120	Determination of ascorbic acid using electrochemiluminescence sensor based on nitrogen and sulfur doping graphene quantum dots with luminol as internal standard. 2021 , 188, 120		7
119	Rhodamine-Based Fluorescence "Turn-On" Chemosensor: Detection of Fe ³⁺ Ion in Aqueous Medium and MCF-7 Live Cells. <i>ChemistrySelect</i> , 2021 , 6, 2373-2378	1.8	2
118	One-Step Synthesis of Water-Soluble CdS Quantum Dots for Silver-Ion Detection. 2021 , 6, 7139-7146		4
117	Progress and challenges in understanding of photoluminescence properties of carbon dots based on theoretical computations. 2021 , 22, 100924		23
116	Polyvinyl Alcohol Enhanced Fluorescent Sulfur Quantum Dots for Highly Sensitive Detection of Fe ³⁺ and Temperature in Cells. 2021 , 38, 2000332		9
115	Study on luminescence mechanism of nitrogen-doped carbon quantum dots with different fluorescence properties and application in Fe ³⁺ detection. 2021 , 23, 1		2
114	Effects of Heteroatom Doping of Carbon Dots from Sugar on Optical Properties, Phenolic Content, Antioxidant Activity, Photostability, and Cytotoxicity. <i>ChemistrySelect</i> , 2021 , 6, 3597-3604	1.8	2
113	Aggregation induced emission transformation of liquid and solid-state N-doped graphene quantum dots. 2021 , 175, 576-584		11
112	Highly sensitive and selective fluorescence sensing and imaging of Fe based on a novel nitrogen-doped graphene quantum dots. 2021 , 36, 1592-1599		1
111	"On-off-on" Fluorescence switch of graphene quantum dots: A cationic control strategy. <i>Applied Surface Science</i> , 2021 , 546, 149110	6.7	5
110	Designing nitrogen and phosphorus co-doped graphene quantum dots/g-C ₃ N ₄ heterojunction composites to enhance visible and ultraviolet photocatalytic activity. <i>Applied Surface Science</i> , 2021 , 548, 149211	6.7	10
109	Unraveling the Fluorescence Quenching of Colloidal Graphene Quantum Dots for Selective Metal Ion Detection. 2021 , 4, 5636-5642		8
108	Investigation of optical properties for N- and F-doped triangular shaped carbon molecules. 2021 , 27, 154		0
107	Influence of ligand and impurities on optical properties of carbon dots: Narrow linewidth and controllable UV-Vis spectrum. <i>Chemical Physics Letters</i> , 2021 , 771, 138520	2.5	0
106	Pitch-derived carbon quantum dots as fluorescent probe for selective and sensitive detection of ferric ions and bioimaging. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 412, 113253	4.7	6
105	Subcellular imaging and diagnosis of cancer using engineered nanoparticles. 2021 ,		0
104	A novel thioctic acid-carbon dots fluorescence sensor for the detection of Hg and thiophanate methyl via S-Hg affinity. 2021 , 346, 128923		30

103	Review of performance improvement strategies for doped graphene quantum dots for fluorescence-based sensing. 2021 , 276, 116758		9
102	Carbon dots as emerging luminophores in security inks for anti-counterfeit applications - An up-to-date review. 2021 , 23, 101050		15
101	Adsorption-improved MoSe nanosheet by heteroatom doping and its application for simultaneous detection and removal of mercury (II). 2021 , 413, 125470		24
100	Structure and Interface Modification of Carbon Dots for Electrochemical Energy Application. <i>Small</i> , 2021 , 17, e2102091	11	8
99	On-Diffusion Fluorescent Chemosensors Based on N/P-Codoped Carbon Dots for Detection of Microcystin-LR. 2021 , 4, 6852-6860		11
98	Precise Blood Glucose Sensing by Nitrogen-Doped Graphene Quantum Dots for Tight Control of Diabetes. 2021 , 2021, 1-14		5
97	Microwave-assisted synthesis of fluorescent carbon dots from nanocellulose for dual-metal ion-sensor probe: Fe (III) and Mn (II). 2021 , 28, 9705-9724		2
96	Carbon dots: An innovative luminescent nanomaterial. e108		3
95	Determination of Fe(III) ion and cellular bioimaging based on a novel photoluminescent silicon nanoparticles. <i>Talanta</i> , 2021 , 230, 122294	6.2	4
94	Novel N-doped carbon dots prepared via citric acid and benzoylurea by green synthesis for high selectivity Fe(III) sensing and imaging in living cells. <i>Microchemical Journal</i> , 2021 , 167, 106273	4.8	8
93	One-Step Green Solvothermal Synthesis of Full-Color Carbon Quantum Dots Based on a Doping Strategy. 2021 , 12, 8939-8946		9
92	Biocompatible sulfur nitrogen co-doped carbon quantum dots for highly sensitive and selective detection of dopamine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 205, 111874	6	9
91	Heteroatom doping of 2D graphene materials for electromagnetic interference shielding: a review of recent progress. 1-50		15
90	Oxidative synthesis of yellow photoluminescent carbon nanoribbons from carbon black. 2021 , 183, 495-503		4
89	Facile preparation of near-infrared fluorescent probes for highly sensitive detection of α -glutamyl transpeptidase and evaluation of inhibitors. 2021 , 344, 130080		2
88	Dual Functional Hydrogen Peroxide Boosted One Step Solvothermal Synthesis of Highly Uniform Sulfur Quantum Dots at Elevated Temperature and Their Fluorescent Sensing. 2021 , 344, 130326		4
87	Chemical analysis and identification the fluorophores of photoluminescent carbon dots beyond infrared and X-ray photoelectron energy spectra. <i>Dyes and Pigments</i> , 2021 , 195, 109750	4.6	1
86	Graphdiyne/graphene quantum dots for development of FRET ratiometric fluorescent assay toward sensitive detection of miRNA in human serum and bioimaging of living cancer cells. 2021 , 239, 118371		6

85	Sulfur quantum dots: A novel fluorescent probe for sensitive and selective detection of Fe ³⁺ and phytic acid. <i>Microchemical Journal</i> , 2021 , 170, 106656	4.8	7
84	Recent advances in biosensors for antibiotic detection: Selectivity and signal amplification with nanomaterials. 2021 , 361, 130109		12
83	Azine based fluorescent rapid "off-on" chemosensor for detecting Th ⁴⁺ and Fe ³⁺ ions and its real-time application. <i>Dyes and Pigments</i> , 2021 , 196, 109755	4.6	2
82	Synthesis of carbon dots with high photocatalytic reactivity by tailoring heteroatom doping. 2022 , 605, 330-341		6
81	Conjugated microporous organic polymer as fluorescent chemosensor for detection of Fe and Fe ions with high selectivity and sensitivity. <i>Talanta</i> , 2022 , 236, 122872	6.2	6
80	Nanomolar level detection of metal ions by improving the monodispersity and stability of nitrogen-doped graphene quantum dots. <i>New Journal of Chemistry</i> ,	3.6	2
79	Applications of carbon dots on tumour theranostics. <i>View</i> , 2021 , 2, 20200061	7.8	14
78	Study on the fluorescence of double-emission carbon quantum dots by improved intercept method. <i>Methods and Applications in Fluorescence</i> , 2020 ,	3.1	1
77	Recent advances in heteroatom-doped graphene quantum dots for sensing applications.. <i>RSC Advances</i> , 2021 , 11, 25586-25615	3.7	11
76	Positively Charged and pH-sensitive Carbon Dots for Fluorescence Detection of Copper Ion. <i>Bulletin of the Korean Chemical Society</i> , 2021 , 42, 227-234	1.2	3
75	Synthesis, Characterization and Applications of Graphene Quantum Dots. <i>Advanced Structured Materials</i> , 2017 , 65-120	0.6	2
74	Green synthesis of carbon dots originated from Lycii Fructus for effective fluorescent sensing of ferric ion and multicolor cell imaging. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017 , 175, 219-225	6.7	59
73	Nucleobase chemosensor based on carbon nanodots. <i>Talanta</i> , 2017 , 173, 107-112	6.2	7
72	Chapter 4:Carbon Nanomaterials in Optical Detection. <i>RSC Detection Science</i> , 2018 , 105-149	0.4	1
71	A novel turn-on fluorescent sensor for highly selective detection of Al(III) in an aqueous solution based on simple electrochemically synthesized carbon dots. <i>Analytical Methods</i> , 2017 , 9, 3941-3948	3.2	18
70	Hydrothermal oxidation method to synthesize nitrogen containing carbon dots from compost humic acid as selective Fe(III) sensor. <i>Materials Research Express</i> , 2020 , 7, 095008	1.7	4
69	One-step synthesis of sulfur-incorporated graphene quantum dots using pulsed laser ablation for enhancing optical properties. <i>Optics Express</i> , 2020 , 28, 21659-21667	3.3	20
68	CHAPTER 7:Synthesis and Applications of Graphene Quantum Dots. <i>RSC Smart Materials</i> , 2020 , 131-173	0.6	

67	High efficiency branched thermal activated delayed fluorescent probe based on cyanogroup for detecting Fe ³⁺ with low limit of detection. <i>Dyes and Pigments</i> , 2022 , 198, 109970	4.6	
66	Facile preparation of Cu-doped carbon dots for naked-eye discrimination of phenylenediamine isomers and highly sensitive ratiometric fluorescent detection of HO. <i>Talanta</i> , 2021 , 239, 123110	6.2	0
65	Platinum Crosslinked Carbon Dot@TiO p-n Junctions for Relapse-Free Sonodynamic Tumor Eradication via High-Yield ROS and GSH Depletion. <i>Small</i> , 2021 , e2103528	11	7
64	Fluorescence immunoassay rapid detection of 2019-nCoV antibody based on the fluorescence resonance energy transfer between graphene quantum dots and Ag@Au nanoparticle. <i>Microchemical Journal</i> , 2021 , 173, 107046	4.8	3
63	"Switch-Off-On" Detection of Fe and F Ions Based on Fluorescence Silicon Nanoparticles and Their Application to Food Samples.. <i>Nanomaterials</i> , 2022 , 12,	5.4	0
62	Electroluminescence and photocatalytic hydrogen evolution of S,N co-doped graphene oxide quantum dots. <i>Journal of Materials Chemistry A</i> ,	13	2
61	Establishment of a steroid binding assay for membrane progesterone receptor alpha (PAQR7) by using graphene quantum dots (GQDs).. <i>Biochemical and Biophysical Research Communications</i> , 2022 , 592, 1-6	3.4	1
60	Rational hydrothermal synthesis of graphene quantum dots with optimized luminescent properties for sensing applications. <i>Materials Today Chemistry</i> , 2022 , 23, 100755	6.2	2
59	Preparation and structure tuning of graphene quantum dots for optical applications in chemosensing, biosensing, and bioimaging. 2022 , 41-77		
58	Exploring the mechanism of CdTe quantum dots as fluorescent probe to detect Hg(II) ion from the perspectives of fluorescence polarization and light scattering. <i>Chemical Physics Letters</i> , 2022 , 792, 139415 ⁵	2.5	0
57	Nano-materials as biosensor for heavy metal detection. 2022 , 493-526		2
56	Green synthetic nitrogen-doped graphene quantum dot fluorescent probe for the highly sensitive and selective detection of tetracycline in food samples.. <i>RSC Advances</i> , 2022 , 12, 8160-8171	3.7	2
55	Graphene Quantum Dots Via Ion Modification for Improving Photoluminescence Stability in Aqueous Solution with Heavy Metal Ions. <i>SSRN Electronic Journal</i> ,	1	
54	Preparation and Characterization of Photoluminescent Graphene Quantum Dots from Watermelon Rind Waste for the Detection of Ferric Ions and Cellular Bio-Imaging Applications.. <i>Nanomaterials</i> , 2022 , 12,	5.4	2
53	Detection of Fe and Hg Ions by Using High Fluorescent Carbon Dots Doped With S And N as Fluorescence Probes.. <i>Journal of Fluorescence</i> , 2022 ,	2.4	0
52	Green Synthesis of Nitrogen-Doped Carbon Dots from Fresh Tea Leaves for Selective Fe Ions Detection and Cellular Imaging.. <i>Nanomaterials</i> , 2022 , 12,	5.4	1
51	Hydrothermally carbonized xylem sap for use in chemosensors, on and off switches, and memory devices. <i>Energy Reports</i> , 2022 , 8, 3213-3220	4.6	0
50	A highly selective fluorescent sensor for manganese(II) ion detection based on N,S-doped carbon dots triggered by manganese oxide. <i>Dyes and Pigments</i> , 2022 , 110325	4.6	0

49	One-pot synthesis of single-component graphene quantum dots for stable and bright white luminescence films as a phosphor. <i>Optical Materials</i> , 2022 , 127, 112368	3.3	1
48	A novel optical fiber sensor based on AIEgens for highly selective and sensitive detection of Fe 3+.. <i>Dyes and Pigments</i> , 2022 , 203, 110304	4.6	
47	Graphene quantum dots via ion modification for improving photoluminescence stability in aqueous solution with heavy metal ions. <i>Applied Surface Science</i> , 2022 , 593, 153367	6.7	1
46	[Field-amplified sample injection and graphene quantum dot dual preconcentration in the analysis of melamine and dicyandiamide by capillary electrophoresis].. <i>Chinese Journal of Chromatography (Se Pu)</i> , 2022 , 40, 289-295	0.2	
45	Development of ferrocene-appended benzimidazopyridine and pyrroloquinoxaline probes for structure regulated distinct signalling of Fe 3+ in aqueous media and HeLa cells. <i>Applied Organometallic Chemistry</i> ,	3.1	1
44	The Role of N and S Doping on Photoluminescent Characteristics of Carbon Dots from Palm Bunches for Fluorimetric Sensing of Fe Ion.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	3
43	A High-Luminescence Biomimetic Nanosensor Based on N, S-GQDs-Embedded Zinc-Based Metal-Organic Framework@Molecularly Imprinted Polymer for Sensitive Detection of Octopamine in Fermented Foods.. <i>Foods</i> , 2022 , 11,	4.9	0
42	Facile and Green Synthesis of Carbon Nanodots from Environmental Pollutant for Cell Imaging and Fe3+ detection. <i>New Journal of Chemistry</i> ,	3.6	1
41	Metal ion sensing with graphene quantum dots: detection of harmful contaminants and biorelevant species. <i>Journal of Materials Chemistry B</i> ,	7.3	0
40	DFT Study of 6-amino-3-(1-hydroxyethyl) pyridine-2,4-diol (AHP) Adsorption on Coronene. <i>Journal of Molecular Liquids</i> , 2022 , 119436	6	0
39	Graphene quantum dots: A review on the effect of synthesis parameters and theranostic applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 112605	6	1
38	Fast, eco-friendly synthesis of blue luminescent nitrogen-doped graphene quantum dots in glycerol. <i>Optical and Quantum Electronics</i> , 2022 , 54,	2.4	
37	Development of a pH-Responsive, SO42-loaded Fe and N co-doped carbon quantum dots-based fluorescent method for highly sensitive detection of glyphosate. <i>Analytica Chimica Acta</i> , 2022 , 1221, 340110	6.6	1
36	Ultrafast Sulfur Mustard Simulant Gas Fluorescent Chemosensors Based on Triazole AIEE Material with High Selectivity and Sensitivity at Room Temperature. <i>ACS Sensors</i> ,	9.2	1
35	Confined Mesospace Synthesis of Sulfur-Doped Graphene Quantum Dots for Direct H 2 O 2 Detection. <i>ChemistrySelect</i> , 2022 , 7,	1.8	0
34	Fluorometric/electrochemical dual-channel sensors based on carbon quantum dots for the detection and information anti-counterfeiting. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 432, 114118	4.7	0
33	Multifunctional nanomaterials and nanocomposites for sensing and monitoring of environmentally hazardous heavy metal contaminants. <i>Environmental Research</i> , 2022 , 214, 113795	7.9	1
32	Gram-Scale Synthesis of Graphitic Carbon Nitride Quantum Dots with Ultraviolet Photoluminescence for Fe3+ Ion Detection. 2022 , 12, 2804		0

31	Roles of amorphous and crystalline regions in determining the optical and electronic properties of donor:acceptor systems comprising poly(3-hexylthiophene) embedded with nitrogen/sulfur-doped graphene quantum dots.	2
30	Synthesis of highly efficient green emissive carbon dots towards UV encryption fluorescent ink. 2022 , 132, 112829	0
29	Facile preparation of highly fluorescent nitrogen-doped graphene quantum dots for sensitive Fe ³⁺ detection. 2022 , 156, 108542	
28	Transformation of bulk MnO ₂ to fluorescent quantum dots for selective and sensitive detection of ferric ions and ascorbic acid by turn-off-on strategy. 2023 , 434, 114280	0
27	Portable smartphone platform integrated with paper strip-assisted fluorescence sensor for ultrasensitive and visual quantitation of ascorbic acid. 2023 , 402, 134222	0
26	Electrochemical control of emission enhancement in solid-state nitrogen-doped carbon quantum dots.	0
25	Aggregation-induced emission-active poly(ϵ -lactam) prepared by Staudinger polymerization as specific probe to Fe ³⁺ ions and its antimicrobial properties.	0
24	Improving Minutiae Image of Latent Fingerprint Detection on Non-Porous Surface Materials under UV Light Using Sulfur Doped Carbon Quantum Dots from Magnolia Grandiflora Flower. 2022 , 12, 3277	0
23	Selective ligand-doped liquid crystal-based sensor for detection of ferric cation. 1-11	0
22	Fabrication and optical properties of sulfur- and nitrogen-doped graphene quantum dots by the microwave hydrothermal approach. 2022 , 24,	0
21	Rice Husk-Derived Carbon Quantum Dots-Based Dual-Mode Nanoprobe for Selective and Sensitive Detection of Fe ³⁺ and Fluoroquinolones.	4
20	Smart nano-architectures as potential sensing tools for detecting heavy metal ions in aqueous matrices. 2022 , 36, e00179	0
19	Green one-step synthesis of boron and nitrogen co-doped carbon dots based on inner filter effect as fluorescent nanosensors for determination of Fe ³⁺ . 2022 ,	0
18	Futuristic Advancements in Biomass-Derived Graphene Nanoassemblies: Versatile Biosensors for Point-of-Care Devices. 2022 , 7,	0
17	Explore the mechanism of quantum dots as fluorescent sensor to detect heavy metal ions using a synchronous fluorescence polarization technique.	0
16	Synthesis of stimuli-responsive pillararene-based supramolecular polymer materials for the detection and separation of metal ions. 2022 , 107877	1
15	Gold Nanocluster Probe-Based Electron-Transfer-Mediated Electrochemiluminescence Sensing Strategy for an Ultrasensitive Copper Ion Detection.	0
14	BoxBehnken Design Optimizing Sugarcane Bagasse-Based Nitrogen-Doped Carbon Quantum Dots Preparation and Application in Ferric Ion Detection. 2022 , 10, 453	1

- 13 Plasma Nanoengineering of Bioresource-Derived Graphene Quantum Dots as Ultrasensitive Environmental Nanoprobes. ○
- 12 Facile fabrication of portable electrospun poly(vinyl alcohol)/sulfur quantum dots film sensor for sensitive and selective detection of Fe³⁺. **2023**, 135, 113227 ○
- 11 Novel schiff base as Fe³⁺ sensor as well as an antioxidant and its theoretical studies. **2022**, 1-13 ○
- 10 High quantum yield nitrogen-doped carbon quantum dots: Green synthesis and application as On-off fluorescent sensors for specific Fe³⁺ ions detection and cell imaging. **2023**, 109702 1
- 9 Polyethyleneimine-induced fluorescence enhancement strategy for AIEgen: the mechanism and application. ○
- 8 CdS Semiconductor Quantum Dots; Facile Synthesis, Application as Off Fluorescent Sensor for Detection of Lead (Pb²⁺) Ions and Catalyst for Degradation of Dyes from Water. ○
- 7 Fluorine-rich graphene quantum dots by selective oxidative cutting of hydroxy fluorographene and their application for sensing of Fe (III) ions. **2023**, 268, 110130 ○
- 6 Carbon dots as oxidant-antioxidant nanomaterials, understanding the structure-properties relationship. A critical review. **2023**, 50, 101837 ○
- 5 Multiple-color room-temperature phosphorescence regulated by graphitization and carbonyls. **2023**, 459, 141635 ○
- 4 Fabrication of P and N Co-Doped Carbon Dots for Fe³⁺ Detection in Serum and Lysosomal Tracking in Living Cells. **2023**, 13, 230 ○
- 3 Lubrication performance of GQDs @ PNIPAM microgels for titanium alloys. ○
- 2 Solvent-Free Synthesis of S,N-Doped Carbon Dots for Extended Visible-Light-Induced Oxidase-Mimicking Activities and Antimicrobial Applications. **2023**, 88, ○
- 1 Antimonene quantum dots as bifunctional fluorescent sensors for rapid detection of cation (Fe³⁺) and anions (CrO₄²⁻/Cr₂O₇²⁻). **2023**, 11, 041101 ○