

CITATION REPORT

List of articles citing

Investigation from chemical structure to photoluminescent mechanism: a type of carbon dots from the pyrolysis of citric acid and an amine

DOI: 10.1039/c5tc00813a

Journal of Materials Chemistry C, 2015, 3, 5976-5984.

Source: <https://exaly.com/paper-pdf/61203498/citation-report.pdf>

Version: 2024-04-27

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
520	Molecular Origin and Self-Assembly of Fluorescent Carbon Nanodots in Polar Solvents.		
519	Full-Color Light-Emitting Carbon Dots with a Surface-State-Controlled Luminescence Mechanism.		
518	Nichtkonjugierte Polymerpunkte ohne Fluorophoreinheiten mit gesteigerter Emission durch Vernetzung. 2015 , 127, 14834-14846		25
517	Non-Conjugated Polymer Dots with Crosslink-Enhanced Emission in the Absence of Fluorophore Units. 2015 , 54, 14626-37		273
516	Microwave-Assisted Rapid Synthesis of Amphibious Yellow Fluorescent Carbon Dots as a Colorimetric Nanosensor for Cr(VI). 2015 , 32, 1058-1062		40
515	Single and repeated dose toxicity of citric acid-based carbon dots and a derivative in mice. 2015 , 5, 91398-91406		60
514	Fluorescent citric acid-modified silicone materials. 2015 , 5, 90473-90477		9
513	A facile, green synthesis of highly fluorescent carbon nanoparticles from oatmeal for cell imaging. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9514-9518	7.1	37
512	Facile fabrication of luminescent organic dots by thermolysis of citric acid in urea melt, and their use for cell staining and polyelectrolyte microcapsule labelling. 2016 , 7, 1905-1917		28
511	Study on the Ultrahigh Quantum Yield of Fluorescent P,O-g-C3 N4 Nanodots and its Application in Cell Imaging. 2016 , 22, 9387-95		49
510	Carbon dots with high fluorescence quantum yield: the fluorescence originates from organic fluorophores. 2016 , 8, 14374-8		168
509	Optimal nitrogen and phosphorus codoping carbon dots towards white light-emitting device. 2016 , 109, 083103		19
508	One-Pot Gram-Scale Synthesis of Nitrogen and Sulfur Embedded Organic Dots with Distinctive Fluorescence Behaviors in Free and Aggregated States. 2016 , 28, 4367-4374		87
507	Dopamine carbon nanodots as effective photothermal agents for cancer therapy. 2016 , 6, 54087-54091		21
506	Photoluminescent Carbon Nanostructures. 2016 , 28, 4085-4128		150
505	Fluorescent non-conjugated polymer dots for targeted cell imaging. 2016 , 8, 9837-41		54
504	Influence of Doping and Temperature on Solvatochromic Shifts in Optical Spectra of Carbon Dots. 2016 , 120, 10591-10604		132

503	Synthesis and formation mechanistic investigation of nitrogen-doped carbon dots with high quantum yields and yellowish-green fluorescence. 2016 , 8, 11185-93	131
502	Integrative Approach toward Uncovering the Origin of Photoluminescence in Dual Heteroatom-Doped Carbon Nanodots. 2016 , 28, 6840-6847	99
501	Near-infrared emissive lanthanide hybridized carbon quantum dots for bioimaging applications. 2016 , 4, 6366-6372	63
500	Precisely Controllable Core-Shell Ag@Carbon Dots Nanoparticles: Application to in Situ Super-Sensitive Monitoring of Catalytic Reactions. 2016 , 8, 27956-27965	75
499	Oil Industry First Interwell Trial of Reservoir Nanoagent Tracers. 2016 ,	10
498	Visible and Near-Infrared Dual-Emission Carbogenic Small Molecular Complex with High RNA Selectivity and Renal Clearance for Nucleolus and Tumor Imaging. 2016 , 8, 28529-28537	33
497	The spectral heterogeneity and size distribution of the carbon dots derived from time-resolved fluorescence studies. 2016 , 18, 30086-30092	16
496	Novel oxidative cutting graphene oxide to graphene quantum dots for electrochemical sensing application. 2016 , 8, 127-133	22
495	Carbon-Dot/Silver-Nanoparticle Flexible SERS-Active Films. 2016 , 8, 25637-43	51
494	Influence of chemical states of doped nitrogen on photoluminescence intensity of hydrothermally synthesized carbon dots. 2016 , 180, 123-131	23
493	Molecular origin of photoluminescence of carbon dots: aggregation-induced orange-red emission. 2016 , 18, 28274-28280	107
492	Effect of reaction temperature on structure and fluorescence properties of nitrogen-doped carbon dots. 2016 , 387, 1236-1246	64
491	Hydrothermal Synthesis of Photoluminescent Nanocarbon from Hydroxylic Acids and Amines. 2016 , 45, 1560-1570	3
490	Facile synthesis of nitrogen-doped carbon dots with robust fluorescence in a strongly alkaline solution and a reversible fluorescence off/on switch between strongly acidic and alkaline solutions. 2016 , 6, 108203-108208	11
489	The origin of emissive states of carbon nanoparticles derived from ensemble-averaged and single-molecular studies. 2016 , 8, 14057-69	86
488	Stable fluorescent CdS:Cu QDs and their hybridization with carbon polymer dots for white light emission. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1665-1674	7.1 10
487	Luminescent colloidal carbon dots: optical properties and effects of doping [Invited]. 2016 , 24, A312-40	186
486	Photoluminescent carbon quantum dots as a directly film-forming phosphor towards white LEDs. 2016 , 8, 8618-32	103

485	Fluorescent carbon nano dots from lignite: unveiling the impeccable evidence for quantum confinement. 2016 , 18, 12065-73	45
484	Microwave-assisted ultrafast and facile synthesis of fluorescent carbon nanoparticles from a single precursor: preparation, characterization and their application for the highly selective detection of explosive picric acid. 2016 , 4, 4161-4171	126
483	Excitation-independent carbon dots, from photoluminescence mechanism to single-color application. 2016 , 6, 27829-27835	69
482	Unravelling the Multiple Emissive States in Citric-Acid-Derived Carbon Dots. 2016 , 120, 1252-1261	187
481	Beyond bottom-up carbon nanodots: Citric-acid derived organic molecules. 2016 , 11, 128-132	180
480	High photoluminescent TPA and the ratiometric sensor for free chlorine. 2017 , 244, 771-776	16
479	A new type of polymer carbon dots with high quantum yield: From synthesis to investigation on fluorescence mechanism. 2017 , 116, 472-478	96
478	Ratiometric luminescence detection of hydrazine with a carbon dotsBemicyanine nanohybrid system. 2017 , 7, 10875-10880	19
477	Molecular Origin and Self-Assembly of Fluorescent Carbon Nanodots in Polar Solvents. 2017 , 8, 1044-1052	138
476	On the Molecular Origin of Photoluminescence of Nonblinking Carbon Dot. 2017 , 121, 9634-9641	54
475	One-step hydrothermal synthesis of photoluminescent carbon nanodots with selective antibacterial activity against Porphyromonas gingivalis. 2017 , 9, 7135-7142	135
474	Investigation of luminescent mechanism: N-rich carbon dots as luminescence centers in fluorescent hydroxyapatite prepared using a typical hydrothermal process. 2017 , 5, 3749-3757	14
473	Effects of poly(propylene carbonate) additive prepared from carbon dioxide on the tensile properties of polypropylene. 2017 , 134, 45266	1
472	Spectroscopic Insights into Carbon Dot Systems. 2017 , 8, 2236-2242	87
471	Enhancing Light Absorption and Charge Transfer Efficiency in Carbon Dots through Graphitization and Core Nitrogen Doping. 2017 , 129, 6559-6563	34
470	Enhancing Light Absorption and Charge Transfer Efficiency in Carbon Dots through Graphitization and Core Nitrogen Doping. 2017 , 56, 6459-6463	156
469	Rapid synthesis of a hyperfluorescence 2-pyridone derivative as a fluorescent molecular sensor for picric acid. 2017 , 253, 231-238	27
468	Carbon dots for tracking and promoting the osteogenic differentiation of mesenchymal stem cells. 2017 , 5, 1820-1827	60

467	Microwave formation and photoluminescence mechanisms of multi-states nitrogen doped carbon dots. 2017 , 422, 257-265		57
466	Supramolecular interactions via hydrogen bonding contributing to citric-acid derived carbon dots with high quantum yield and sensitive photoluminescence. 2017 , 7, 20345-20353		41
465	In situ synthesis of nitrogen-doped carbon dots in the interlayer region of a layered double hydroxide with tunable quantum yield. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3536-3541	7.1	26
464	Turn-off fluorescence of amino-functionalized carbon quantum dots as effective fluorescent probes for determination of isotretinoin. 2017 , 247, 428-435		39
463	Luminescence origin of carbon based dots obtained from citric acid and amino group-containing molecules. 2017 , 118, 319-326		85
462	Molecular Fluorescence in Citric Acid-Based Carbon Dots. 2017 , 121, 2014-2022		353
461	Preparation of nitrogen-doped carbon dots with high quantum yield from Bombyx mori silk for Fe(III) ions detection. 2017 , 7, 50584-50590		28
460	The polymeric characteristics and photoluminescence mechanism in polymer carbon dots: A review. 2017 , 6, 13-25		117
459	Successful crosswell field test of fluorescent carbogenic nanoparticles. 2017 , 159, 443-450		4
458	Long-wavelength, multicolor, and white-light emitting carbon-based dots: Achievements made, challenges remaining, and applications. 2017 , 124, 429-472		208
457	Structure and photoluminescence evolution of nanodots during pyrolysis of citric acid: from molecular nanoclusters to carbogenic nanoparticles. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10302-10312		51
456	Rapid microwave-assisted synthesis of highly luminescent nitrogen-doped carbon dots for white light-emitting diodes. 2017 , 73, 319-329		27
455	Full-Color Inorganic Carbon Dot Phosphors for White-Light-Emitting Diodes. 2017 , 5, 1700416		255
454	Simple Microwave-Assisted Synthesis of Amphiphilic Carbon Quantum Dots from A/B Polyamidation Monomer Set. 2017 , 9, 27883-27893		37
453	A novel mechanism for red emission carbon dots: hydrogen bond dominated molecular states emission. 2017 , 9, 13042-13051		163
452	In situ synthesis of NIR-light emitting carbon dots derived from spinach for bio-imaging applications. 2017 , 5, 7328-7334		62
451	Full-colour carbon dots: integration of multiple emission centres into single particles. 2017 , 9, 13326-13333		19
450	Carbonization conditions influence the emission characteristics and the stability against photobleaching of nitrogen doped carbon dots. 2017 , 9, 11730-11738		66

- 449 Aggregated Molecular Fluorophores in the Ammonothermal Synthesis of Carbon Dots. **2017**, 29, 10352-10361 85
- 448 Tracking the Source of Carbon Dot Photoluminescence: Aromatic Domains versus Molecular Fluorophores. **2017**, 17, 7710-7716 160
- 447 Addition to "Molecular Origin and Self-Assembly of Fluorescent Carbon Nanodots in Polar Solvents". **2017**, 8, 5861-5864 9
- 446 Effect of nitrogen atom positioning on the trade-off between emissive and photocatalytic properties of carbon dots. **2017**, 8, 1401 152
- 445 Graphitic Nitrogen Triggers Red Fluorescence in Carbon Dots. **2017**, 11, 12402-12410 351
- 444 A facile and universal strategy for preparation of long wavelength emission carbon dots. **2017**, 46, 16905-16910 6
- 443 One-step facile green synthesis of a highly fluorescent molecule through a way towards carbon dots and detection of dopamine based on in-situ formation of silver nanoparticles. **2017**, 253, 752-758 12
- 442 Carbon dots as photosensitisers for solar-driven catalysis. **2017**, 46, 6111-6123 316
- 441 Highly fluorescent nitrogen-doped carbon dots with excellent thermal and photo stability applied as invisible ink for loading important information and anti-counterfeiting. **2017**, 9, 491-496 162
- 440 Rational design of high quality citric acid-derived carbon dots by selecting efficient chemical structure motifs. **2017**, 112, 131-141 71
- 439 Facile preparation of highly luminescent composites by polymer embedding of carbon dots derived from N-hydroxyphthalimide. **2017**, 52, 185-196 14
- 438 Polymer carbon dots highlight reviewing their unique structure, bright emission and probable photoluminescence mechanism. **2017**, 55, 610-615 57
- 437 Exploring the Emissive States of Heteroatom-Doped Graphene Quantum Dots. **2018**, 122, 6483-6492 54
- 436 Design of Fe₃O₄@SiO₂@mSiO₂-organosilane carbon dots nanoparticles: Synthesis and fluorescence red-shift properties with concentration dependence. **2018**, 151, 89-101 13
- 435 Design of Pyrrolic-N-Rich Carbon Dots with Absorption in the First Near-Infrared Window for Photothermal Therapy. **2018**, 1, 2368-2375 54
- 434 Templated microwave synthesis of luminescent carbon nanofibers.. **2018**, 8, 12907-12917 11
- 433 Photoluminescence of carbon quantum dots: coarsely adjusted by quantum confinement effects and finely by surface trap states. **2018**, 61, 490-496 49
- 432 Time-resolved spectroscopy of the ensembled photoluminescence of nitrogen- and boron/nitrogen-doped carbon dots. **2018**, 20, 11673-11681 14

431	Artifacts and Errors Associated with the Ubiquitous Presence of Fluorescent Impurities in Carbon Nanodots. 2018 , 30, 1878-1887	135
430	Carbon nanodots with intense emission from green to red and their multifunctional applications. 2018 , 742, 212-219	17
429	Effects of C-Related Dangling Bonds and Functional Groups on the Fluorescent and Electrochemiluminescent Properties of Carbon-Based Dots. 2018 , 24, 4250-4254	14
428	Carbon dots: Principles and their applications in food quality and safety detection. 2018 , 58, 2466-2475	48
427	Fluorescent carbon dots with two absorption bands: luminescence mechanism and ion detection. 2018 , 53, 6459-6470	16
426	Cathode and Anode Interlayers Based on Polymer Carbon Dots via Work Function Regulation for Efficient Polymer Solar Cells. 2018 , 5, 1701519	14
425	"Where does the fluorescing moiety reside in a carbon dot?" - Investigations based on fluorescence anisotropy decay and resonance energy transfer dynamics. 2018 , 20, 2251-2259	21
424	Carbon Dots: Bottom-Up Syntheses, Properties, and Light-Harvesting Applications. 2018 , 13, 586-598	71
423	Synthesis and characterization of highly luminescent N-doped carbon quantum dots for metal ion sensing. 2018 , 186, 32-39	19
422	Microwave-assisted one-step synthesis of white light-emitting carbon dot suspensions. 2018 , 80, 110-119	21
421	Ratiometric fluorescent detection of chromium(VI) in real samples based on dual emissive carbon dots. 2018 , 185, 249-257	64
420	Recent progress on the photocatalysis of carbon dots: Classification, mechanism and applications. 2018 , 19, 201-218	353
419	Supramolecular nanodots derived from citric acid and beta-amines with high quantum yield and sensitive photoluminescence. 2018 , 77, 48-54	12
418	Small molecular organic nanocrystals resemble carbon nanodots in terms of their properties. 2018 , 9, 175-180	61
417	Carbon dots-incorporated composite membrane towards enhanced organic solvent nanofiltration performance. 2018 , 549, 1-11	62
416	Supramolecular Cross-Link-Regulated Emission and Related Applications in Polymer Carbon Dots. 2018 , 10, 12262-12277	86
415	Synthesis of Carbon Dots with Multiple Color Emission by Controlled Graphitization and Surface Functionalization. 2018 , 30, 1704740	536
414	Rapid synthesis of highly photoluminescent nitrogen-doped carbon quantum dots via a microreactor with foamy copper for the detection of Hg ²⁺ ions. 2018 , 258, 637-647	32

4 ¹³	Luminescent Oil-Soluble Carbon Dots toward White Light Emission: A Spectroscopic Study. 2018 , 122, 839-849	28
4 ¹²	Color-Tunable Carbon Dots Possessing Solid-State Emission for Full-Color Light-Emitting Diodes Applications. 2018 , 5, 502-510	151
4 ¹¹	Carbon dot/polyvinylpyrrolidone hybrid nanofibers with efficient solid-state photoluminescence constructed using an electrospinning technique. 2018 , 29, 025706	10
4 ¹⁰	Water insensitive and solvent-free synthesis of biodegradable solid-solid phase change materials based on poly (ethylene glycol) for thermal energy storage. 2018 , 37, 3818-3830	3
4 ⁰⁹	Synthesis of highly stable red-emissive carbon polymer dots by modulated polymerization: from the mechanism to application in intracellular pH imaging. 2018 , 10, 22484-22492	49
4 ⁰⁸	Rapid and green synthesis of fluorescent carbon dots from starch for white light-emitting diodes. 2018 , 33, 276-288	33
4 ⁰⁷	Towards Understanding Citric Acid Derived High Quantum Yield Molecular Fluorophores: From Carbon Dots to Spherical Organic Nanocrystals. 2018 , 07,	
4 ⁰⁶	Investigation of optical and electrical properties of nitrogen- and boron-doped carbon dots films. 2018 ,	1
4 ⁰⁵	Influence of molecular fluorophores on the research field of chemically synthesized carbon dots. 2018 , 23, 124-139	119
4 ⁰⁴	Highly Photoluminescent and Stable N-Doped Carbon Dots as Nanoprobes for Hg Detection. 2018 , 8,	34
4 ⁰³	Carbon Nanodots: A Review From the Current Understanding of the Fundamental Photophysics to the Full Control of the Optical Response. 2018 , 4, 67	94
4 ⁰²	Colloidal N-Doped Graphene Quantum Dots with Tailored Luminescent Downshifting and Detection of UVA Radiation with Enhanced Responsivity. 2018 , 3, 16260-16270	22
4 ⁰¹	Inorganic Salt Incorporated Solvothermal Synthesis of Multicolor Carbon Dots, Emission Mechanism, and Antibacterial Study. 2018 , 1, 6131-6138	26
4 ⁰⁰	Fluorescent Nitrogen-Doped Carbon Dots via Single-Step Synthesis Applied as Fluorescent Probe for the Detection of Fe ³⁺ Ions and Anti-Counterfeiting Inks. 2018 , 13, 1850097	9
399	Carbon Dots in Water and Mesoporous Matrix: Chasing the Origin of their Photoluminescence. 2018 , 122, 25638-25650	32
398	Highly Biocompatible, Fluorescence, and Zwitterionic Carbon Dots as a Novel Approach for Bioimaging Applications in Cancerous Cells. 2018 , 10, 37835-37845	41
397	Design of Carbon Dots for Metal-free Photoredox Catalysis. 2018 , 10, 40560-40567	50
396	Supramolecular-Enhanced Charge Transfer within Entangled Polyamide Chains as the Origin of the Universal Blue Fluorescence of Polymer Carbon Dots. 2018 , 140, 12862-12869	166

395	Systematic Comparison of Carbon Dots from Different Preparations Consistent Optical Properties and Photoinduced Redox Characteristics in Visible Spectrum and Structural and Mechanistic Implications. 2018 , 122, 21667-21676	22
394	Uncovering the Design Principle of Amino Acid-Derived Photoluminescent Biodots with Tailor-Made Structure-Properties and Applications for Cellular Bioimaging. 2018 , 10, 19881-19888	24
393	Highly sensitive and selective detection of Fe 3+ by utilizing carbon quantum dots as fluorescent probes. 2018 , 705, 1-6	25
392	Prominence of fusion temperature and engineering heteroatoms on multifarious emissive shifts in carbon dots. 2018 , 528, 237-247	5
391	Formation and origin of multicenter photoluminescence in zeolite-based carbogenic nanodots. 2018 , 10, 10650-10656	13
390	Luminescence phenomena of carbon dots derived from citric acid and urea - a molecular insight. 2018 , 10, 13889-13894	119
389	Citrate-Based Fluorescent Biomaterials. 2018 , 7, e1800532	28
388	Aptamer and IR820 Dual-Functionalized Carbon Dots for Targeted Cancer Therapy against Hypoxic Tumors Based on an 808 nm Laser-Triggered Three-Pathway Strategy. 2018 , 1, 1800041	15
387	Fluorescent quantum dots for microbial imaging. 2018 , 29, 1475-1485	47
386	Capacitively Coupled Plasma Discharge of Ionic Liquid Solutions to Synthesize Carbon Dots as Fluorescent Sensors. 2018 , 8,	10
385	Resolving the Multiple Emission Centers in Carbon Dots: From Fluorophore Molecular States to Aromatic Domain States and Carbon-Core States. 2018 , 9, 4189-4198	93
384	Solvatochromic Response of Carbon Dots: Evidence of Solvent Interaction with Different Types of Emission Centers. 2018 , 122, 18732-18741	26
383	Dramatic photoluminescence quenching in carbon dots induced by cyclic voltammetry. 2018 , 54, 9067-9070	13
382	Current status and prospects on chemical structure driven photoluminescence behaviour of carbon dots. 2018 , 37, 1-22	77
381	Practical Three-Minute Synthesis of Acid-Coated Fluorescent Carbon Dots with Tuneable Core Structure. 2018 , 8, 12234	31
380	Nanostructured Graphene Oxide Dots: Synthesis, Characterization, Photoinduced Electron Transfer Studies, and Detection of Explosives/Biomolecules. 2018 , 3, 9096-9104	15
379	Multifunctional carbon dot for lifetime thermal sensing, nucleolus imaging and antialgal activity. 2018 , 6, 5708-5717	20
378	Solid phase extraction for the purification of violet, blue, green and yellow emitting carbon dots. 2018 , 10, 11293-11296	16

377	Synthesis of hydroxyapatite nanoparticles using surface carboxyl-functionalized carbon dots as template. 2018 , 44, 16844-16850	6
376	Hydrothermal Addition Polymerization for Ultrahigh-Yield Carbonized Polymer Dots with Room Temperature Phosphorescence via Nanocomposite. 2018 , 24, 11303-11308	76
375	Thermal carbonization in nanoscale reactors: controlled formation of carbon nanodots inside porous CaCO microparticles. 2018 , 8, 9394	5
374	Optical and dielectric properties of PMMA (poly(methyl methacrylate))/carbon dots composites. 2019 , 40, E1312-E1319	14
373	Efficient and visual monitoring of cerium (III) ions by green-fluorescent carbon dots and paper-based sensing. 2019 , 206, 240-245	25
372	Carbonized Polymer Dots: A Brand New Perspective to Recognize Luminescent Carbon-Based Nanomaterials. 2019 , 10, 5182-5188	98
371	Manipulating the Optical Properties of Carbon Dots by Fine-Tuning their Structural Features. 2019 , 12, 4432-4441	19
370	Facile synthesis of yellow fluorescent carbon dots for highly sensitive sensing of cobalt ions and biological imaging. 2019 , 11, 4077-4083	11
369	Solvent Effects: A Signature of J- and H-Aggregate of Carbon Nanodots in Polar Solvents. 2019 , 123, 7420-7429	8
368	Photoluminescence of carbon dots prepared by ball milling and their application in Hela cell imaging. 2019 , 125, 1	5
367	Sustainable Synthesis of Bright Green Fluorescent Nitrogen-Doped Carbon Quantum Dots from Alkali Lignin. 2019 , 12, 4202-4210	46
366	Colorimetric and fluorometric dual-channel ratiometric determination of fungicide cymoxanil based on analyte-induced aggregation of silver nanoparticles and dually emitting carbon dots. 2019 , 186, 580	32
365	Carbon dots with molecular fluorescence and their application as a "turn-off" fluorescent probe for ferricyanide detection. 2019 , 9, 10723	31
364	The fluorescence mechanism of carbon dots, and methods for tuning their emission color: a review. 2019 , 186, 583	143
363	Are Fluorescent Silicon Nanoparticles Formed in a One-Pot Aqueous Synthesis?. 2019 , 31, 7167-7172	23
362	In Situ Synthesis of Amino Acid Functionalized Carbon Dots with Tunable Properties and Their Biological Applications.. 2019 , 2, 3393-3403	47
361	Altering sub-cellular location for bioimaging by engineering the carbon based fluorescent nanoprobe. 2019 , 62, 1496-1504	4
360	Identification of Molecular Fluorophore as a Component of Carbon Dots able to Induce Gelation in a Fluorescent Multivalent-Metal-Ion-Free Alginate Hydrogel. 2019 , 9, 15080	2

359	Self-Quenching Origin of Carbon Dots and the Guideline for Their Solid-State Luminescence. 2019 , 123, 27124-27131	21
358	Revisiting fluorescent carbon nanodots for environmental, biomedical applications and puzzle about fluorophore impurities. 2019 , 20, 100391	6
357	Gel electrophoresis separation and origins of light emission in fluorophores prepared from citric acid and ethylenediamine. 2019 , 9, 14665	9
356	Evolution and Synthesis of Carbon Dots: From Carbon Dots to Carbonized Polymer Dots. 2019 , 6, 1901316	349
355	Hydrophilic Fluorescent Nanoprodrug of Paclitaxel for Glioblastoma Chemotherapy. 2019 , 4, 18342-18354	3
354	On the Emission Properties of Carbon Dots: Reviewing Data and Discussing Models. 2019 , 5, 60	52
353	Quenching-Resistant Polymer Carbon Dot Preserving Emission Color Consistency in Solid-State. 2019 , 7, 1900932	19
352	Luminescent carbon nanoparticles separation and purification. 2019 , 274, 102043	11
351	High Amplification of the Antiviral Activity of Curcumin through Transformation into Carbon Quantum Dots. 2019 , 15, e1902641	74
350	Hydrophobic Carbon Dots from Aliphatic Compounds with One Terminal Functional Group. 2019 , 123, 22447-22456	13
349	Carbon Dots as an Effective Fluorescent Sensing Platform for Metal Ion Detection. 2019 , 14, 272	85
348	Design and Synthesis of Core-Shell Carbon Polymer Dots with Highly Stable Fluorescence in Polymeric Materials. 2019 , 2, 6503-6512	10
347	Hydrothermal synthesis of a highly photoluminescent molecule from citric acid and cysteamine for the efficient detection of Au ³⁺ in aqueous solution. 2019 , 96, 109359	3
346	Insight into the hybrid luminescence showed by carbon dots and molecular fluorophores in solution. 2019 , 21, 20919-20926	26
345	Post-decorated surface fluorophores enhance the photoluminescence of carbon quantum dots. 2019 , 527, 110503	11
344	Carbon dots functionalized papers for high-throughput sensing of 4-chloroethcathinone and its analogues in crime sites. 2019 , 6, 191017	12
343	An insight into the molecular and surface state photoluminescence of carbon dots revealed through solvent-induced modulations in their excitation wavelength dependent emission properties. 2019 , 18, 110-119	29
342	Effects of nitrogen-doping on the photophysical properties of carbon dots. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 853-862	7.1 64

341	Investigation on the chirality mechanism of chiral carbon quantum dots derived from tryptophan.. 2019 , 9, 3208-3214		23
340	Carbon dots: synthesis, formation mechanism, fluorescence origin and sensing applications. 2019 , 21, 449-471		516
339	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
338	Carbon Dots: Diverse Preparation, Application, and Perspective in Surface Chemistry. 2019 , 35, 9115-9132		43
337	Various hydrophilic carbon dots doped high temperature proton exchange composite membranes based on polyvinylpyrrolidone and polyethersulfone. 2019 , 553, 503-511		29
336	Paving the path to the future of carbogenic nanodots. 2019 , 10, 2391		26
335	Microwave-assisted synthesis of carbon dots and their applications. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 7175-7195	7.1	132
334	An LTCC monolithic microreactor for the synthesis of carbon dots with photoluminescence imaging of the reaction progress. 2019 , 296, 126613		16
333	Surface charge controlled nucleoli selective staining with nanoscale carbon dots. 2019 , 14, e0216230		11
332	Retrosynthesis of Tunable Fluorescent Carbon Dots for Precise Long-Term Mitochondrial Tracking. 2019 , 15, e1901517		72
331	Far-Red to Near-Infrared Carbon Dots: Preparation and Applications in Biotechnology. 2019 , 15, e1901507		103
330	Carbon dots for energy conversion applications. 2019 , 125, 220903		33
329	Template-Assisted Synthesis of Luminescent Carbon Nanofibers from Beverage-Related Precursors by Microwave Heating. 2019 , 24,		3
328	Synthesis and application of nitrogen-doped carbon dots as a matrix in matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. 2019 , 442, 44-50		9
327	Carbon dots from roasted mackerel (<i>scomberomorus niphonius</i>) for free radical scavenging. 2019 , 111, 588-593		4
326	Chemical structure and in vitro cellular uptake of luminescent carbon quantum dots prepared by solvothermal and microwave assisted techniques. 2019 , 549, 150-161		16
325	Close-Packed Langmuir Monolayers of Saccharide-Based Carbon Dots at the Air-Subphase Interface. 2019 , 35, 6708-6718		15
324	Highly Emissive Carbon Dots in Solid State and Their Applications in Light-Emitting Devices and Visible Light Communication. 2019 , 7, 9301-9308		45

323	Evaluation of the dialysis time required for carbon dots by HPLC and the properties of carbon dots after HPLC fractionation. 2019 , 43, 6153-6159	21
322	Design and fabrication of carbon dots for energy conversion and storage. 2019 , 48, 2315-2337	363
321	Purification and structural elucidation of carbon dots by column chromatography. 2019 , 11, 8464-8474	51
320	Highly efficient synthesis of N-doped carbon dots with excellent stability through pyrolysis method. 2019 , 54, 9372-9384	24
319	Red-Shifted Absorption of C-Dots for Utilization in Hybrid Nano-Optoelectronics by Application of Systematically Synthesized Precursor Molecules. 2019 , 256, 1800493	2
318	Structural, chemical and electronic differences between bare and nitrogen-doped carbon nanoparticles. 2019 , 29, 255-262	4
317	Crosslinking induced photoluminescence quenching in polyvinyl alcohol-carbon quantum dot composite. 2019 , 12, 166-172	15
316	Recent development of carbon quantum dots regarding their optical properties, photoluminescence mechanism, and core structure. 2019 , 11, 4634-4652	189
315	Rapid synthesis of nitrogen doped carbon dots with green fluorescent for bio-imaging. 2019 , 98, 109486	8
314	Synthesis, applications and potential photoluminescence mechanism of spectrally tunable carbon dots. 2019 , 11, 20411-20428	55
313	Pyrolytic Production of Fluorescent Pyrone Derivatives Produced in the Confined Space of Super-Microporous Silicas. 2019 , 92, 1170-1174	6
312	Fe(III) doped carbon nanodots with intense green photoluminescence and dispersion medium dependent emission. 2019 , 9, 18893	3
311	Investigating the Effect of Reaction Time on Carbon Dot Formation, Structure, and Optical Properties. 2019 , 4, 21658-21665	36
310	Highly Stable White-Light-Emitting Carbon Dot Synthesis Using a Non-coordinating Solvent. 2019 , 4, 21223-21229	15
309	Selective Labeling and Growth Inhibition of Pseudomonas aeruginosa by Aminoguanidine Carbon Dots. 2019 , 5, 292-302	31
308	Review on carbon dots in food safety applications. 2019 , 194, 809-821	78
307	A facile method to prepare polymer functionalized carbon dots inspired by the mussel chemistry for LED application. 2019 , 162, 845-854	10
306	Synthesis and insecticidal bioactivities of 2,3-dihydroimidazo[1,2-a]pyridin-5(1H)-one derivatives. 2019 , 30, 340-344	3

305	Ground-State Heterogeneity along with Fluorescent Byproducts Causes Excitation-Dependent Fluorescence and Time-Dependent Spectral Migration in Citric Acid-Derived Carbon Dots. 2019 , 10, 335-345	21
304	Insights into the photoluminescence properties of gel-like carbon quantum dots embedded in poly(methyl methacrylate) polymer. 2019 , 18, 32-38	6
303	Sonochemical driven simple preparation of nitrogen-doped carbon quantum dots/SnO ₂ nanocomposite: A novel electrocatalyst for sensitive voltammetric determination of riboflavin. 2019 , 281, 602-612	42
302	One-step hydrothermal synthesis of fluorescence carbon quantum dots with high product yield and quantum yield. 2019 , 30, 085406	19
301	Sonochemical-assisted green synthesis of nitrogen-doped carbon dots from crab shell as targeted nanoprobe for cell imaging. 2019 , 95, 495-503	44
300	Manganese-doped green tea-derived carbon quantum dots as a targeted dual imaging and photodynamic therapy platform. 2020 , 108, 1616-1625	19
299	Recent Advances and Sensing Applications of Carbon Dots. 2020 , 4, 1900387	75
298	pH-induced aggregation of hydrophilic carbon dots for fluorescence detection of acidic amino acid and intracellular pH imaging. 2020 , 108, 110401	15
297	Multifaceted applications of green carbon dots synthesized from renewable sources. 2020 , 275, 102046	64
296	An Efficient Synthesis and Photoelectric Properties of Green Carbon Quantum Dots with High Fluorescent Quantum Yield. 2020 , 10,	27
295	A molecular fluorophore in citric acid/ethylenediamine carbon dots identified and quantified by multinuclear solid-state nuclear magnetic resonance. 2020 , 58, 1130-1138	15
294	Luminescent carbon dots with concentration-dependent emission in solution and yellow emission in solid state. 2020 , 565, 77-85	27
293	Critical assessment of wet-chemical oxidation synthesis of silicon quantum dots. 2020 , 222, 149-165	8
292	Influence of the solvent environment on luminescent centers within carbon dots. 2020 , 12, 602-609	30
291	Precursor-Dependent Photocatalytic Activity of Carbon Dots. 2019 , 25,	12
290	De novo formation of citrate-based fluorophores on N-termini of peptides and proteins in cells and tissues. 2020 , 56, 74-77	3
289	Fluorescent carbon nanodots as efficient nitro aromatic sensor- analysis based on computational perspectives. 2020 , 302, 111817	8
288	Dual-Readout Tyrosinase Activity Assay Facilitated by a Chromo-Fluorogenic Reaction between Catechols and Naphthoresorcin. 2020 , 92, 2316-2322	10

287	A sustainable synthesis of green carbon quantum dot (CQD) from <i>Catharanthus roseus</i> (white flowering plant) leaves and investigation of its dual fluorescence responsive behavior in multi-ion detection and biological applications. 2020 , 23, e00138	25
286	The formation mechanism and fluorophores of carbon dots synthesized via a bottom-up route. 2020 , 4, 400-420	86
285	Modulating the Optical Properties of Citrazinic Acid through the Monomer-to-Dimer Transformation. 2020 , 124, 197-203	13
284	Fabrication of dual emission carbon dots and its use in highly sensitive thioamide detection. 2020 , 175, 108126	7
283	Multiway data analysis approach toward understanding of photoluminescence and energy transfer in carbon nanodots. 2020 , 35, 385-392	4
282	Polarity-Sensitive Polymer Carbon Dots Prepared at Room-Temperature for Monitoring the Cell Polarity Dynamics during Autophagy. 2020 , 12, 4815-4820	23
281	Dynamic Thermosensitive Solid-State Photoluminescent Carbonized Polymer Dots as Temperature-Responsive Switches for Sensor Applications. 2020 , 3, 10560-10564	6
280	A spectroscopic investigation of Carbon dots and its reduced state towards fluorescence performance. 2020 , 403, 112847	7
279	Recent advances in chiral carbonized polymer dots: From synthesis and properties to applications. 2020 , 34, 100953	41
278	Application Progress of Fluorescent Carbon Quantum Dots in Food Analysis. 2020 , 48, 1288-1296	8
277	Indole Carbonized Polymer Dots Boost Full-Color Emission by Regulating Surface State. 2020 , 23, 101546	10
276	Carbon nanodots revised: the thermal citric acid/urea reaction. 2020 , 11, 8256-8266	36
275	Toward Uniform Optical Properties of Carbon Dots. 2020 , 37, 2000119	4
274	Optimization of fluorescence and surface adsorption of citric acid/ethanolamine carbon nanoparticles for subsurface tracers. 2020 , 169, 395-402	6
273	Comparison between electrical and optical properties of Carbon dots, silver nanoparticles and hybrid carbon/silver nanoparticles: Experimental evidence of the interaction of Carbon dots on silver nanoparticles. 2020 , 24, 100596	4
272	Carbonized Polymer Dots with Tunable Room-Temperature Phosphorescence Lifetime and Wavelength. 2020 , 12, 38593-38601	45
271	Fabrication of organic nanocomposite of polyaniline for enhanced electrochemical performance. 2020 , 31, 101700	5
270	UV-Curable Polymer QD Flexible Films as the Downconversion Layer for Improved Performance of Cu(In,Ga)Se ₂ Solar Cells. 2020 , 34, 14581-14590	3

- 269 A "Polymer Template" Strategy for Carbonized Polymer Dots with Controllable Properties. **2020**, 26, 14754-14764 1
- 268 Structural and Optical Properties of N-Doped and B-Doped Carbon Dots. **2020**, 61, 818-825 6
- 267 The Elusive Nature of Carbon Nanodot Fluorescence: An Unconventional Perspective. **2020**, 124, 22314-22320 17
- 266 Oil-Dispersible Green-Emitting Carbon Dots: New Insights on a Facile and Efficient Synthesis. **2020**, 13, 2
- 265 Recent Development of Carbon Quantum Dots: Biological Toxicity, Antibacterial Properties and Application in Foods. **2020**, 1-20 12
- 264 Molecular Fluorophores Self-Organize into C-Dot Seeds and Incorporate into C-Dot Structures. **2020**, 11, 8252-8258 9
- 263 Biocompatible nitrogen-doped carbon dots: synthesis, characterization, and application. **2020**, 25
- 262 Negatively-Doped Single-Walled Carbon Nanotubes Decorated with Carbon Dots for Highly Selective NO Detection. **2020**, 10, 7
- 261 Carbon Dots: A New Type of Carbon-Based Nanomaterial with Wide Applications. **2020**, 6, 2179-2195 226
- 260 Luminescent carbon dots obtained from chitosan: a comparison between different methods to enhance the quantum yield. **2020**, 1-10 7
- 259 Excitation-Independent Emission of Carbon Quantum Dot Solids. **2020**, 2020, 1-5 5
- 258 A facile synthesis of two ionized fluorescent carbon dots and selective detection toward Fe²⁺ and Cu²⁺. **2020**, 2, 2943-2949
- 257 Finding Value in Wastewaters from the Cork Industry: Carbon Dots Synthesis and Fluorescence for Hemeprotein Detection. **2020**, 25, 1
- 256 Benefit of porous silica nanoreactor in preparation of fluorescence carbon dots from citric acid. **2020**, 1, 010011 4
- 255 How porosity affects the emission of fluorescent carbon dot-silica porous composites. **2020**, 305, 110302 4
- 254 Novel nitrogen-doped carbon dots prepared under microwave-irradiation for highly sensitive detection of mercury ions. **2020**, 6, e03750 14
- 253 Turning Spent Coffee Grounds into Sustainable Precursors for the Fabrication of Carbon Dots. **2020**, 10, 14
- 252 Strongly Luminescent Composites Based on Carbon Dots Embedded in a Nanoporous Silicate Glass. **2020**, 10, 8

251	Conformational Behavior and Optical Properties of a Fluorophore Dimer as a Model of Luminescent Centers in Carbon Dots. 2020 , 124, 14327-14337	13
250	Photocycle of Excitons in Nitrogen-Rich Carbon Nanodots: Implications for Photocatalysis and Photovoltaics. 2020 , 3, 6925-6934	6
249	Evaluating nitrite content changes in some Chinese home cooking with a newly-developed CDs diazotization spectrophotometry. 2020 , 330, 127151	11
248	In Situ Monitoring of Particle Formation with Spectroscopic and Analytical Techniques Under Solvothermal Conditions. 2020 , 43, 879-886	1
247	Recent Advances in Energy Conversion Applications of Carbon Dots: From Optoelectronic Devices to Electrocatalysis. 2020 , 16, e2001295	60
246	Selective determination of 2,4,6-trinitrophenol by using a novel carbon nanoparticles as a fluorescent probe in real sample. 2020 , 412, 3083-3090	8
245	An ionic-based carbon dot for enantioselective discrimination of nonaromatic amino alcohols. 2020 , 145, 3395-3400	9
244	Self-Enhanced Carbonized Polymer Dots for Selective Visualization of Lysosomes and Real-Time Apoptosis Monitoring. 2020 , 23, 100982	9
243	Synthesis of multiple-color emissive carbon dots towards white-light emission. 2020 , 31, 245001	2
242	Antagonistic interaction of Pb ²⁺ - Al ³⁺ ion pair with Sugar derived Carbon dots: Visual monitoring of Al ³⁺ ions. 2020 , 593, 124632	3
241	Scalable synthesis of highly photoluminescence carbon quantum dots. 2020 , 268, 127595	20
240	Carbon Dot-Sensitized Photoanodes for Visible Light-Driven Organic Transformations. 2020 , 3, 2756-2765	5
239	Reversible Oxygen Sensing Based on Multi-Emission Fluorescence Quenching. 2020 , 20,	8
238	Evaluation of the Environmental Impact and Efficiency of N-Doping Strategies in the Synthesis of Carbon Dots. 2020 , 13,	19
237	Insights into the interaction of human serum albumin and carbon dots: Hydrothermal synthesis and biophysical study. 2020 , 149, 1118-1129	5
236	Recent advances in crystalline carbon dots for superior application potential. 2020 , 1, 525-553	37
235	Patterned carbon dot-based thin films for solid-state devices. 2020 , 12, 10254-10264	5
234	One-Step Fabrication of Functional Carbon Dots with 90% Fluorescence Quantum Yield for Long-Term Lysosome Imaging. 2020 , 92, 6430-6436	43

- 233 Citric Acid Based Carbon Dots with Amine Type Stabilizers: pH-Specific Luminescence and Quantum Yield Characteristics. **2020**, 124, 8894-8904 30
- 232 Carbon dots-inspired fluorescent cyclodextrins: competitive supramolecular "off-on" (bio)sensors. **2020**, 12, 9178-9185 4
- 231 Nitrogen-Doped Carbon Dots Induced Enhancement in CO Sensing Response From ZnO-Porous Silicon Hybrid Structure. **2020**, 8, 291 5
- 230 Green Synthesis of Superior Molecular Fluorophores from Chitosan Assisted with Cellulase for Cell Nucleus Imaging and Photosensitive Printing. **2020**, 8, 6323-6332 4
- 229 UV photobleaching of carbon nanodots investigated by in situ optical methods. **2020**, 22, 13398-13407 11
- 228 High quantum yield photoluminescent N-doped carbon dots for switch sensing and imaging. **2021**, 222, 121663 28
- 227 ESIPT fluorophores derived from 2,3-dichloro-5,6-dicyano--benzoquinone based carbon dots for dual emission and multiple anti-counterfeiting. **2021**, 23, 388-398 1
- 226 Polymerization-Driven Photoluminescence in Alkanolamine-Based C-Dots. **2021**, 27, 2543-2550 5
- 225 Surface modifications of carbon nanodots reveal the chemical source of their bright fluorescence. **2021**, 3, 716-724 7
- 224 Microwave-assisted ultrafast in-situ growth of N-doped carbon quantum dots on multiwalled carbon nanotubes as an efficient electrocatalyst for photovoltaics. **2021**, 586, 349-361 18
- 223 Salvia Miltiorrhiza-Derived Carbon Dots as Scavengers of Reactive Oxygen Species for Reducing Oxidative Damage of Plants. **2021**, 4, 113-120 13
- 222 Large-scale direct pyrolysis synthesis of excitation-independent carbon dots and analysis of ferric (III) ion sensing mechanism. **2021**, 538, 148151 12
- 221 Insights into photoluminescence mechanisms of carbon dots: advances and perspectives. **2021**, 66, 839-856 96
- 220 Tunable fluorescent carbon dots: synthesis progress, fluorescence origin, selective and sensitive volatile organic compounds detection. **2021**, 46, 349-370 9
- 219 Concentration-dependent emission of nitrogen-doped carbon dots and its use in hazardous metal-ion detection. **2021**, 31, 523-536 2
- 218 One-step hydrothermal synthesis of chiral carbon dots with high asymmetric catalytic activity for an enantioselective direct aldol reaction. **2021**, 57, 3680-3683 11
- 217 Nonblinking carbon dots for imaging and tracking receptors on a live cell membrane. **2021**, 57, 5554-5557 14
- 216 Absorption and emission of light in red emissive carbon nanodots. **2021**, 12, 3615-3626 28

215	Carbon dots: Discovery, structure, fluorescent properties, and applications. 2021 , 10, 134-156	15
214	Fluorescence quenching mechanism and the application of green carbon nanodots in the detection of heavy metal ions: a review. 2021 , 45, 2326-2360	17
213	The formation mechanism and chirality evolution of chiral carbon dots prepared radical assisted synthesis at room temperature. 2021 , 13, 10478-10489	3
212	Multicolor polymeric carbon dots: synthesis, separation and polyamide-supported molecular fluorescence. 2020 , 12, 2441-2455	29
211	N, B-Codoping Induces High-Efficiency Solid-State Fluorescence and Dual Emission of Yellow/Orange Carbon Dots. 2021 , 9, 2224-2236	19
210	Interfacing Carbon Dots for Charge-Transfer Processes. 2021 , 17, e2006005	7
209	Formation of nitrogen-doped blue- and green-emitting fluorescent carbon dots via a one-step solid-phase pyrolysis. 2021 , 23, 1	2
208	Insights into Fluorophores of Dual-Emissive Carbon Dots Derived by Naphthalenediol Solvothermal Synthesis. 2021 , 125, 5207-5216	6
207	Molecular, Aromatic, and Amorphous Domains of N-Carbon Dots: Leading toward the Competitive Photoluminescence and Photocatalytic Properties. 2021 , 125, 4299-4309	13
206	Carbon Nanoparticles as Versatile Auxiliary Components of Perovskite-Based Optoelectronic Devices. 2021 , 31, 2010768	13
205	The Role of Carbon Quantum Dots in Organic Photovoltaics: A Short Overview. 2021 , 11, 232	12
204	Oxygen-less Carbon Nanodots with an Absolute Quantum Yield of 80% for Display Applications. 2021 , 4, 2462-2469	3
203	Engineering Functional Nanomaterials Through the Amino Group. 2021 , 285-340	
202	Luminescent Carbon Dots Synthesized by the Laser Ablation of Graphite in Polyethylenimine and Ethylenediamine. 2021 , 14,	15
201	Insight into the Molecular Model in Carbon Dots through Experimental and Theoretical Analysis of Citrazinic Acid in Aqueous Solution. 2021 , 125, 4836-4845	9
200	Formation of Citrazinic Acid Ions and Their Contribution to Optical and Magnetic Features of Carbon Nanodots: A Combined Experimental and Computational Approach. 2021 , 14,	2
199	Hydrothermal synthesis of bright blue-emitting carbon dots for bioimaging and fluorescent determination of baicalein. 2021 , 113, 110796	5
198	Optical processes in carbon nanocolloids. 2021 , 7, 606-628	27

197	Green Sources Derived Carbon Dots for Multifaceted Applications. 2021 , 31, 915-932	6
196	Design and Synthesis of Nanosensor Based on Unsaturated Double Bond Functional Carbon Dots for Phenylephrine Detection Using Bromine As a Bridge. 2021 , 93, 5145-5150	7
195	Progress and challenges in understanding of photoluminescence properties of carbon dots based on theoretical computations. 2021 , 22, 100924	23
194	Recent Development in Synthesis of Carbon Dots from Natural Resources and Their Applications in Biomedicine and Multi-Sensing Platform. 2021 , 6, 2774-2789	7
193	Carbon Dots Detect Water-to-Ice Phase Transition and Act as Alcohol Sensors Fluorescence Turn-Off/On Mechanism. 2021 , 15, 6582-6593	14
192	Triphenylphosphonium-Derived Bright Green Fluorescent Carbon Dots for Mitochondrial Targeting and Rapid Selective Detection of Tetracycline. 2021 , 7, 545-552	7
191	Applications of carbon quantum dots in lubricant additives: a review. 2021 , 56, 12061-12092	6
190	Regulation of fluorescence emission of carbon dots via hydrogen bonding assembly. 2021 , 126, 108500	0
189	Carbon dots prepared by thermal reactions and selective detections of copper and mercury ions in visible spectrum. 2021 , 127, 1	0
188	N-doped carbon dots for highly sensitive and selective sensing of copper ion and sulfide anion in lake water. 2021 , 9, 105081	11
187	N-Doped Carbon Dots Synthesized from Ethylene Glycol and L-Alanine for Detection of Cr(VI) and 4-Nitrophenol via Photoluminescence Quenching. 2021 , 4, 3444-3454	14
186	pH-responsive zwitterionic carbon dots for detection of rituximab antibody. 2021 , 36, 1198-1208	4
185	Biocompatible and Biodegradable Light-Emitting Materials and Devices. 2100006	5
184	Lighting up the Electrochemiluminescence of Carbon Dots through Pre- and Post-Synthetic Design. 2021 , 8, 2100125	12
183	Functionalized carbon dots for advanced batteries. 2021 , 37, 8-39	35
182	Unique Property of Nontraditional Intrinsic Luminescence in the Transforming of Solution-Hydrogel-Solid and Its Applications. 2021 , 222, 2100070	1
181	Synthesis and in vitro PDT evaluation of red emission polymer dots (R-CPDs) and pyropheophorbide- <i>b</i> conjugates. 2021 , 11, 10013	3
180	Contribution of the Molecular Fluorophore IPCA to Excitation-Independent Photoluminescence of Carbon Dots. 2021 , 125, 12140-12148	6

179	Carbon Quantum Dots as Fluorescence Nanochemosensors for Selective Detection of Amino Acids. 2021 , 4, 6250-6256	7
178	Effects of Sonication and Hydrothermal Treatments on the Optical and Chemical Properties of Carbon Dots. 2021 , 6, 14174-14181	1
177	The Preparation of Cu(II)- and Ag(I)-responsive Carbon Nanodots from the Right Amino-acid Carbon Source. 2021 , 31, 1153-1160	3
176	Biomass-Derived Carbon Materials: Controllable Preparation and Versatile Applications. 2021 , 17, e2008079	21
175	Simple method to prepare fluorescent silicon rubber by melt-compounding with crude carbon dots fluid. 2021 , 27, 102413	
174	Application of cerium/nitrogen co-doped carbon quantum dots to the detection of tetracyclines residues and bioimaging. 2021 , 165, 106139	10
173	Carbon Dots for Photocatalytic Degradation of Aqueous Pollutants: Recent Advancements. 2021 , 9, 2100532	19
172	Nanosopic Imaging of Nucleolar Stress Enabled by Protein-Mimicking Carbon Dots. 2021 , 21, 5689-5696	4
171	Carbon dots as emerging luminophores in security inks for anti-counterfeit applications - An up-to-date review. 2021 , 23, 101050	15
170	Luminescent monodispersed carbon quantum dots by a microwave solvothermal method toward bioimaging applications. 2021 , 415, 113310	4
169	Optical nanomaterials with focus on rare earth doped oxide: A Review. 2021 , 27, 102277	16
168	Simple-to-use and portable device for free chlorine determination based on microwave-assisted synthesized carbon dots and smartphone images. 2021 , 229, 122298	3
167	Composite Nanospheres Comprising Luminescent Carbon Dots Incorporated into a Polyhedral Oligomeric Silsesquioxane Matrix. 2021 , 125, 15094-15102	1
166	Temperature triggered high-performance carbon dots with robust solvatochromic effect and self-quenching-resistant deep red solid state fluorescence for specific lipid droplet imaging. 2021 , 415, 128984	10
165	Nanoscale Carbon-Polymer Dots for Theranostics and Biomedical Exploration. 2021 , 2, 118-130	5
164	Precursor-dependent structural diversity in luminescent carbonized polymer dots (CPDs): the nomenclature. 2021 , 10, 142	27
163	pH-Dependent surface properties of NiO dots obtained by the hydrothermal method with multicolored emissions. 2021 , 621, 126578	5
162	Carbon Dot/Cellulose-Based Transparent Films for Efficient UV and High-Energy Blue Light Screening. 2021 , 9, 9879-9890	4

161	Theoretical Understanding of Structure-Property Relationships in Luminescence of Carbon Dots. 2021 , 12, 7671-7687	31
160	Transparent Hard Coatings with SiON-Encapsulated N-Doped Carbon Dots for Complete UV Blocking and White Light Emission. 2021 , 3, 3761-3773	2
159	One-pot synthesis of metal-free, yellow-emitting phosphor with organic single crystal as a matrix. 2021 , 193, 109518	1
158	Influence of sulfur doping on the molecular fluorophore and synergistic effect for citric acid carbon dots*. 2021 , 30, 097802	0
157	Advances in the Methods for the Synthesis of Carbon Dots and Their Emerging Applications. 2021 , 13,	12
156	Small nanoparticles bring big prospect: The synthesis, modification, photoluminescence and sensing applications of carbon dots. 2021 ,	2
155	Single stain hyperspectral imaging for accurate fungal pathogens identification and quantification. 1	6
154	Engineering Mitochondriotropic Carbon Dots for Targeting Cancer Cells. 2021 , 14,	1
153	Competition of the roles of π -conjugated domain between emission center and quenching origin in the photoluminescence of carbon dots depending on the interparticle separation. 2021 , 183, 560-570	6
152	Carbon dots structural characterization by solution-state NMR and UV-visible spectroscopy and DFT modeling. 2021 , 564, 150195	8
151	Influence of carbonized polymer dot (CPD) structure on mechanical and electrical properties of copper matrix composite. 2021 , 181, 111463	2
150	Dual-emission carbon dots based ratiometric fluorescent sensor with opposite response for detecting copper (II). 2021 , 196, 109803	0
149	The use of nanotechnology to combat liver cancer: Progress and perspectives. 2021 , 1876, 188621	4
148	Specific locations of blue and green-emitting units in dual emissive carbon dots and their reversible emitting properties due to switchable inter-chromophoric interactions. 2022 , 605, 364-372	7
147	Elucidating the mechanism of dual-fluorescence in carbon dots. 2022 , 606, 67-76	7
146	Carbon dots for cancer nanomedicine: a bright future. 2021 , 3, 5183-5221	7
145	Well-separated water-soluble carbon dots via gradient chromatography. 2021 , 13, 13116-13128	9
144	A solvent-free and efficient synthesis of bicyclic 2-pyridone derivatives for endoplasmic reticulum imaging. 2021 , 8, 3631-3638	0

143	Emergence of Carbon Nanodots as a Probe for Super-Resolution Microscopy. 2021 , 125, 1637-1653		4
142	Photonic Carbon Dots as an Emerging Nanoagent for Biomedical and Healthcare Applications. 2020 , 14, 6470-6497		82
141	Synthesis of modified carbon dots with performance of ultraviolet absorption used in sunscreen. 2019 , 27, 7629-7641		13
140	Antimicrobial Mechanisms and Effectiveness of Graphene and Graphene-Functionalized Biomaterials. A Scope Review. 2020 , 8, 465		72
139	Synthesis, Properties and Applications of Luminescent Carbon Dots. 2021 , 421-460		
138	On the nature of solvothermally synthesized carbon nanodots. <i>Journal of Materials Chemistry C</i> ,	7.1	0
137	Structure-controllable growth of nitrogenated graphene quantum dots via solvent catalysis for selective C-N bond activation. 2021 , 12, 5879		9
136	High luminescent fluorophore synthesized at atmospheric pressure from citric acid and ethylenediamine. 2019 ,		
135	Carbon Dots as a Sustainable New Platform for Organic Light Emitting Diode. 2021 , 11, 5		2
134	The synthetic strategies, photoluminescence mechanisms and promising applications of carbon dots: Current state and future perspective. 2022 , 186, 91-127		26
133	Carbon quantum dot fluorescent probes for food safety detection: Progress, opportunities and challenges. 2022 , 133, 108591		4
132	Revealing Graphitic Nitrogen Participating in p-Conjugated Domain as Emissive Center of Red Carbon Dots and Applied to Red Room-Temperature Phosphorescence.		4
131	Unraveling the origin of near-infrared emission in carbon dots by ultrafast spectroscopy. 2021 ,		1
130	Harnessing Versatile Dynamic Carbon Precursors for Multi-Color Emissive Carbon Dots. <i>Journal of Materials Chemistry C</i> ,	7.1	4
129	Continuous microflow synthesis of fluorescent phosphorus and nitrogen co-doped carbon quantum dots. 2022 , 178, 395-404		1
128	Tunable full-color solid-state fluorescent carbon dots for light emitting diodes. 2022 , 190, 22-31		11
127	Surface molecule induced effective light absorption and charge transfer for H ₂ production photocatalysis in a carbonized polymer dots-carbon nitride system. 2022 , 305, 121064		0
126	Aggregation and luminescence in carbonized polymer dots. e169		8

125	Anhydride-Terminated Solid-State Carbon Dots with Bright Orange Emission Induced by Weak Excitonic Electronic Coupling.. 2022 ,		2
124	N-Doped Carbon Dot Hydrogels from Brewing Waste for Photocatalytic Wastewater Treatment.. 2022 , 7, 4052-4061		0
123	A Review on Characterization Techniques for Carbon Quantum Dots and Their Applications in Agrochemical Residue Detection.. 2022 , 32, 449		3
122	Excited-state intramolecular proton-transfer-induced dual fluorescence emission in 2,3-dichloro-5,6-dicyano-1,4-benzoquinone and resorcinol-based carbon dots. 2022 , 123, 111845		0
121	Aliphatic and aromatic amine based nitrogen-doped carbon dots: a comparative photophysical study.		0
120	A rational design of carbon dots via the combination of nitrogen and oxygen functional groups towards the first NIR window absorption. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1394-1402	7.1	3
119	Narrow-bandwidth emissive carbon dots: A rising star in the fluorescent material family. 2022 , 4, 88-114		4
118	Correlations between structure and photoluminescence properties in N-doped carbon nanoparticles. 2022 , 7, 100408		
117	Origin of solvent and excitation dependent emission in newly synthesized amphiphilic carbon dots. 2022 , 244, 118742		3
116	A review on advancements in carbon quantum dots and their application in photovoltaics.. 2022 , 12, 4714-4759		8
115	Applications of Carbon Dots for the Photocatalytic and Electrocatalytic Reduction of CO.. 2022 , 27,		3
114	Carbon Dots with an Emission in the Near Infrared Produced from Organic Dyes in Porous Silica Microsphere Templates.. 2022 , 12,		2
113	Formation, photoluminescence and in vitro bioimaging of polyethylene glycol-derived carbon dots: The molecular weight effects. 2022 , 243, 124625		3
112	Identifying Molecular Fluorophore Impurities in the Synthesis of Low-Oxygen-Content, Carbon Nanodots Derived from Pyrene.		
111	Fluorescent sensing platform based on green luminescence carbon dots and AuNPs for clenbuterol detection in pork liver.. 2022 , 12, 8683-8690		
110	RGB-multicolor fluorescent carbon dots by changing the reaction solvent type for white light-emitting diodes. 2022 , 46, 4979-4982		3
109	Towards N-N-Doped Carbon Dots: A Combined Computational and Experimental Investigation.. 2022 , 15,		0
108	Preparation, Properties, and Application of Lignocellulosic-Based Fluorescent Carbon Dots.. 2022 , e2021024860		

107	Study of the photoluminescence of N-doped, Carbon Dot-based nanocomposite materials from citric acid and urea. 2022 , 15,	
106	Carbon Dots from Coffee Grounds: Synthesis, Characterization, and Detection of Noxious Nitroanilines. 2022 , 10, 113	
105	Fluorescent Mechanism in Zero-Dimensional Carbon Nanomaterials: A Review.. 2022 , 1	1
104	A novel fluorescent nano carbon quantum dots derived from Lactarius hatsudake for high selective vitamin B12 detection.. 2022 ,	
103	Tuning the photoluminescence by engineering surface states/size of S, N co-doped carbon dots for cellular imaging applications.. 2022 ,	1
102	Confined-domain crosslink-enhanced emission effect in carbonized polymer dots.. 2022 , 11, 56	7
101	Contribution of nicotinamide as an intracyclic N dopant to the structure and properties of carbon dots synthesized using three hydroxy acids as C sources.. 2022 ,	0
100	Research on Preparation Methods of Carbon Nanomaterials Based on Self-Assembly of Carbon Quantum Dots.. 2022 , 27,	2
99	Nanocomposite proton exchange membranes based on sulfonated polyethersulfone and functionalized quantum dots for fuel cell application.	1
98	Solar-to-hydrogen Peroxide Conversion of Photocatalytic Carbon Dots With Anthraquinone: Unveiling the Dual Role of Surface Functionalities. 2022 , 121379	0
97	Phenylenediamine-derived near infrared carbon dots: The kilogram-scale preparation, formation process, photoluminescence tuning mechanism and application as red phosphors. 2022 , 192, 198-208	9
96	Sustainable fabrication of N-doped carbon quantum dots and their applications in fluorescent inks, Fe (III) detection and fluorescent films. 2022 , 140, 109387	0
95	Formation mechanism of carbon dots: From chemical structures to fluorescent behaviors. 2022 , 194, 42-51	4
94	Molecular Insights of Carbon Nanodots Formation and Their Two-Photon Emission Properties. 2022 , 3, 210092	1
93	Radiative and Non-Radiative Decay Pathways in Carbon Nanodots toward Bioimaging and Photodynamic Therapy.. 2021 , 12,	0
92	The fluorescence mechanism of carbon dots based on the separation and identification of small molecular fluorophores.. 2022 , 12, 11640-11648	0
91	Revealing the nature of optical activity in carbon dots produced from different chiral precursor molecules.. 2022 , 11, 92	3
90	Homogeneous and highly photoluminescent composites based on in-situ formed fluorophores in PVA blends. 2022 , 319, 132269	

89	Presentation_1.pdf. 2020 ,		
88	Superior resistance-thermal stability of carbon dots@NaBiF ₄ nanocomposite: facile synthesis and surface configurations.		
87	Effects of Carbon Nanodot Fractionation on the Performance of Sensitized Mesoporous Titania Based Photovoltaic Devices. <i>Journal of Materials Chemistry C</i> ,	7.1	
86	Chelation of gadolinium with carbonized citric and folic acids. 2022 ,		
85	Modulating the Carbonization Degree of Carbon Dots for Multicolor Afterglow Emission.. 2022 ,		6
84	Towards high performance semi-interpenetrating phase change materials networks via linear polyethylene glycol-based multimerization effect. 2022 , 136982		0
83	Polymer types regulation strategy toward the synthesis of carbonized polymer dots with excitation-wavelength dependent or independent fluorescence. 2022 ,		0
82	Effects of elemental doping, acid treatment, and passivation on the fluorescence intensity and emission behavior of yellow fluorescence carbon dots. 2022 , 128, 112471		1
81	Pyrolysis of single carbon sources in SBA-15: A recyclable solid phase synthesis to obtain uniform carbon dots with tunable luminescence. 2022 ,		1
80	Nitrogen doped carbon quantum dots (N-CQDs) with high luminescence for sensitive and selective detection of hypochlorite ions by fluorescence quenching. 2022 , 121456		2
79	Achieving full-color emission in coal-based humic acid derived carbon dots through intradot aggregation. <i>Journal of Materials Chemistry C</i> ,	7.1	1
78	Unconventional aliphatic fluorophores discovered as the luminescence origin in citric acid-urea carbon dots.		4
77	Design, Synthesis, and Application of Carbon Dots With Synergistic Antibacterial Activity. 10,		1
76	Core-shell carbon-polymer quantum dot passivation for near infrared perovskite light emitting diodes.		
75	Current trends in carbon dots applications. 2022 , 21-37		
74	Carbon dots derived from natural sources and their biological and environmental impacts.		1
73	Self-Matrix N-Doped Room Temperature Phosphorescent Carbon Dots Triggered by Visible and Ultraviolet Light Dual Modes. 2022 , 12, 2210		4
72	Origin of carbon dot fluorescence in organosilica films explored experimentally by surface functionalization.		0

71	Carbon Dots for Carbon Dummies: The Quantum and The Molecular Questions Among Some Others.	2
70	N-doped carbon quantum dots as fluorescent probes for high-sensitivity detection of selected azo dyes. 2022 , 131, 112630	
69	Peroxyoxalate/carbon dots chemiluminescent reaction for fluorescent and visual determination of Fe ³⁺ . 2022 , 181, 107782	0
68	Carbon Dot-like Molecular Nanoparticles, Their Photophysical Properties, and Implications for LEDs.	0
67	Photobleaching and Recovery Kinetics of a Palette of Carbon Nanodots Probed by In Situ Optical Spectroscopy.	0
66	Calcination-controlled fabrication of carbon dots@zeolite composites with multicolor fluorescence and phosphorescence.	3
65	Investigation of fluorescence enhancement and antibacterial properties of nitrogen-doped carbonized polymer nanomaterials (N-CPNs). 1-13	0
64	Carbon Nanodots from an In Silico Perspective. 2022 , 122, 13709-13799	2
63	Highly Specific Silver Ion Detection by Fluorescent Carbon Quantum Dots. 2022 , 10, 362	1
62	Carbon dots fabricated by solid-phase carbonization using p-toluidine and l-cysteine for sensitive detection of copper. 2022 , 308, 136298	0
61	The role of molecular fluorophores in the photoluminescence of carbon dots derived from citric acid: current state-of-the-art and future perspectives.	1
60	Carbon dots and miniaturizing fabrication of portable carbon dots-based devices for bioimaging, biosensing, heavy metals detection and drug delivery applications.	0
59	D0 carbon nanoparticles: Carbon nanodots and graphene oxide quantum dots. 2022 , 505-527	0
58	Bifunctional Mn-Doped N-Rich Carbon Dots with Tunable Photoluminescence and Oxidase-Mimetic Activity Enabling Bimodal Ratiometric Colorimetric/Fluorometric Detection of Nitrite. 2022 , 14, 44762-44771	3
57	Carbon nanodots derived from biomass and their spectral-matching sensing of chromium (VI).	0
56	Dual-emission carbonized polymer dots for ratiometric sensing and imaging of L-lysine and pH in live cell and zebrafish. 2022 , 107846	0
55	From Small Molecules to Zero-Dimensional Carbon Nanodots: Chasing the Stepwise Transformations During Carbonization. 2022 , 126, 16377-16386	2
54	Near-Infrared Carbonized Polymer Dots for NIR-II Bioimaging. 2203474	1

- 53 Citric Acid-Based Carbon Dots and Their Application in Energy Conversion. **2022**, 4, 4231-4257 ○
- 52 l-valine functionalized nitrogen doped non-graphitic carbon dots as a photoluminescent probe for detection of tetracycline. **2022**, 110823 ○
- 51 Recent advances in green carbon dots (2015-2022): synthesis, metal ion sensing, and biological applications. 13, 1068-1107 ○
- 50 Highly efficient solid-state luminescence of carbonized polymer dots without matrix. **2022**, 107900 ○
- 49 Formation and fluorescent mechanism of red emissive carbon dots from o-phenylenediamine and catechol system. **2022**, 11, 1 ○
- 48 Luminescent Carbon Dots from Wet Olive Pomace: Structural Insights, Photophysical Properties and Cytotoxicity. **2022**, 27, 6768 ○
- 47 Structure-Optical Property Relationship of Carbon Dots with Molecular-like Blue-Emitting Centers. **2022**, 126, 18170-18176 ○
- 46 Recent Progress of Carbon Dots for Air Pollutants Detection and Photocatalytic Removal: Synthesis, Modifications, and Applications. 2200744 ○
- 45 PDABEI-Copolymerized Nanodots with Tailorable Fluorescence Emission and Quenching Properties for the Sensitive Ratiometric Fluorescence Sensing of miRNA in Serum. **2022**, 94, 14546-14553 ○
- 44 A comprehensive review of the importance of thermal activation in the production of carbon dots and the potential for their use in the bioenergy industry. ○
- 43 Post-synthetic regulating the fluorescence of CDs: giving insight into the fluorescence mechanism. 1
- 42 Application of carbon-based quantum dots in photodynamic therapy. **2022**, 1
- 41 Machine Learning-Assisted Carbon Dot Synthesis: Prediction of Emission Color and Wavelength. 1
- 40 Ultra-fast microwave-assisted synthesis of photoluminescent carbon dots with an ultra-high quantum yield for H₂O₂ detection. **2022**, 10, 109008 ○
- 39 Dual emissive carbon dots: Synthesis strategies, properties and its ratiometric sensing applications. **2023**, 33, 100931 1
- 38 Selecting molecular or surface centers in carbon dots-silica hybrids to tune the optical emission: A photo-physics study down to the atomistic level. **2023**, 634, 402-417 1
- 37 Efficient carbon nanotube growth from pyrolysis of citric acid-based small organic molecules. **2023**, 10, 100236 ○
- 36 Highly Efficient Antibacterial Polymer Composites Based on Hydrophobic Riboflavin Carbon Polymerized Dots. **2022**, 12, 4070 ○

- 35 Synthesis Processes, Photoluminescence Mechanism, and the Toxicity of Amorphous or Polymeric Carbon Dots. **2022**, 55, 3312-3321 1
- 34 A Facile Approach to the Hydrothermal Synthesis of Silica Nanoparticle/Carbon Nanostructure Luminescent Composites. **2022**, 15, 8469 0
- 33 The on/off-on Fluorescence Sensor of Hollow Carbon Dots for Detecting Hg²⁺ and Ascorbic Acid. 0
- 32 Preparation of Nitrogen and Sulfur Co-Doped Fluorescent Carbon Dots from Cellulose Nanocrystals as a Sensor for the Detection of Rutin. **2022**, 27, 8021 0
- 31 Aggregation in carbon dots. 1
- 30 Optical Properties of Tricarboxylic Acid-Derived Carbon Dots. **2022**, 7, 44093-44102 0
- 29 N-Dopant Site Formulation for White-Light-Emitting Carbon Dots with Tunable Chromaticity. **2022**, 10, 16136-16149 0
- 28 Mechanisms of photoluminescence in the molecular state of carbon dots prepared from o-phenylenediamine. **2022**, 108107 0
- 27 Spatial effect and resonance energy transfer for the construction of carbon dots composites with long-lived multicolor afterglow for advanced anticounterfeiting. **2022**, 108070 0
- 26 Surfactant-mediated mobility of carbon dots in saturated soil: comparison between anionic and cationic surfactants. 0
- 25 Carbon nanodots with a controlled N structure by a solvothermal method for generation of reactive oxygen species under visible light. 0
- 24 Light-nutrition Coupling Effect of Degradable Fluorescent Carbon Dots on Lettuce. 0
- 23 Solvent-thermal preparation of sulfur and nitrogen-doped carbon dots with PET waste as precursor and application in light-blocking film. **2023**, 25, 0
- 22 Solid-State Carbon Dots with Tunable Fluorescence via Surface Substitution: Effect of Alkyl Moieties on Fluorescence Characteristics. **2023**, 11, 23-28 0
- 21 Intense Blue Photo Emissive Carbon Dots Prepared through Pyrolytic Processing of Ligno-Cellulosic Wastes. **2023**, 13, 131 1
- 20 Emerging Trends of Carbon-Based Quantum Dots: Nanoarchitectonics and Applications. 2207181 0
- 19 Sustainable applications of carbon dots-based composites as photocatalyst for environmental pollutants remediation. **2023**, 555-577 0
- 18 Phosphoric acid densified red emissive carbon dots with a well-defined structure and narrow band fluorescence for intracellular reactive oxygen species detection and scavenging. 0

17	Communication of molecular fluorophores with other photoluminescence centres in carbon dots.	1
16	Solid-Phase Pyrolysis Synthesis of Highly Fluorescent Nitrogen/Sulfur Codoped Graphene Quantum Dots for Selective and Sensitive Diversity Detection of Cr(VI). 2023 , 39, 1538-1547	0
15	Polymer Structure-Induced Room-Temperature Phosphorescence of Carbon Dot Materials. 2200327	3
14	Superior biocompatible carbon dots for dynamic fluorescence imaging of nucleoli in living cells. 2023 , 11, 2935-2949	0
13	Understanding the Visible Absorption of Electron Accepting and Donating CNDs. 2207238	0
12	Carbon dots as oxidant-antioxidant nanomaterials, understanding the structure-properties relationship. A critical review. 2023 , 50, 101837	0
11	Photoactive coating based on waterborne polyurethane and carbon quantum dots as a prevention strategy for bacterial resistance. 2023 , 179, 107492	0
10	A theoretical study of the functionalized carbon dots surfaces binding with silver nanostructures. 2023 , 1223, 114087	0
9	Carbon Dots Based Photoinduced Reactions: Advances and Perspective. 2207621	0
8	Newly synthesized Fe-doped CDs for colorimetric and fluorometric nanozyme-based levodopa sensing. 2023 , 38, 437-449	0
7	Ionic liquid capped white luminescent carbon dots: application in sensing and bioimaging. 2023 , 29, 101437	0
6	Healable, Recyclable, and Scratch-Resistant Polyurethane Elastomers Cross-Linked with Multiple Hydrogen Bonds. 2023 , 5, 2830-2839	0
5	Fe Single Atoms Reduced by NaBH ₄ Mediate g-C ₃ N ₄ Electron Transfer and Effectively Remove 2-Mercaptobenzothiazole. 2023 , 13, 619	0
4	Methods for Detecting Picric Acid: A Review of Recent Progress. 2023 , 13, 3991	0
3	Cross-linkage induced fluorescence: Fabrication of fluorescent organic particles via reaction between polyethyleneimine and dopamine-containing copolymers. 2023 , 111307	0
2	Exploring the Impact of Nitrogen Doping on the Optical Properties of Carbon Dots Synthesized from Citric Acid. 2023 , 13, 1344	0
1	Energy level engineering of carbon dots through the post-synthetic treatment with acids and amines.	0