

CITATION REPORT

List of articles citing

Nanocarbons for Biology and Medicine: Sensing, Imaging, and Drug Delivery

DOI: 10.1021/acs.chemrev.9b00099
Chemical Reviews, 2019, 119, 9559-9656.

Source: <https://exaly.com/paper-pdf/72117506/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
299	Concise Synthesis of Open-Cage Fullerenes for Oxygen Delivery. 2019 , 131, 17854-17858		6
298	Concise Synthesis of Open-Cage Fullerenes for Oxygen Delivery. 2019 , 58, 17690-17694		13
297	Polyol-Mediated Synthesis of Nitrogen-Containing Carbon-Dots from Tetracyanobenzene with Intense Red Fluorescence. 2019 , 9,		1
296	Tailoring the component of protein corona via simple chemistry. 2019 , 10, 4520		80
295	Biophotonic Imaging and Sensing. 2019 ,		
294	Optically Active Nanomaterials for Bioimaging and Targeted Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 320	5.8	31
293	Graphenic Materials for Biomedical Applications. 2019 , 9,		59
292	Tris-(2-aminoethyl)amine-Intercalated Graphene Oxide as an Efficient 2D Material for Cerium-Ion Fluorescent Sensor Applications. 2019 , 4, 22431-22437		4
291	In situ immobilization of a multicomponent chiral catalyst (MCC) via non-covalent interactions for heterogeneous asymmetric hydrogenation reactions. 2020 , 7, 345-349		6
290	pH-sensitive loading/releasing of doxorubicin using single-walled carbon nanotube and multi-walled carbon nanotube: A molecular dynamics study. 2020 , 186, 105210		23
289	A mutually isolated nanodiamond/porous carbon nitride nanosheet hybrid with enriched active sites for promoted catalysis in styrene production. 2020 , 10, 1048-1055		3
288	Tandem energy upconversion in a conjugated polymer-sensitized core/shell nanocrystal. 2020 , 111, 107640		1
287	Toxicological evaluation of highly water dispersible few-layer graphene in vivo. <i>Carbon</i> , 2020 , 170, 347-360.	6.4	6
286	Graphitic Carbon Nitride Quantum Dots Embedded in Carbon Nanosheets for Near-Infrared Imaging-Guided Combined Photo-Chemotherapy. 2020 , 14, 13304-13315		38
285	Nanoscale covalent organic frameworks as theranostic platforms for oncotherapy: synthesis, functionalization, and applications. 2020 , 2, 3656-3733		48
284	Research advances in integrated theranostic probes for tumor fluorescence visualization and treatment. 2020 , 12, 24311-24330		9
283	Molecular engineering of the last-generation CNTs in smart cancer therapy by grafting PEG-PLGA-riboflavin.. 2020 , 10, 40637-40648		3

282	Antifade Carbon Dots on a Plasmonic Substrate for Enhanced Protein Detection in Immunotherapy. 2020 , 5, 4027-4034	4
281	Core-shell nanostructures: perspectives towards drug delivery applications. 2020 ,	61
280	Graphene Templated DNA Arrays and Biotin-Streptavidin Sensitive Bio-Transistors Patterned by Dynamic Self-Assembly of Polymeric Films Confined within a Roll-on-Plate Geometry. 2020 , 10,	7
279	Bortezomib-Encapsulated CuS/Carbon Dot Nanocomposites for Enhanced Photothermal Therapy via Stabilization of Polyubiquitinated Substrates in the Proteasomal Degradation Pathway. 2020 , 14, 10688-10703	36
278	Plasmonic Metasensors Based on 2D Hybrid Atomically Thin Perovskite Nanomaterials. 2020 , 10,	5
277	Carbon nanostructures: The drug and the delivery system for brain disorders. 2020 , 587, 119701	25
276	Application of a quantum genetic algorithm and QTAIM analysis in the study of structural and electronic properties of neutral bimetallic clusters NaLi (4 \leq x + y \leq 10). 2020 , 26, 317	
275	Visible-to-NIR-Light Activated Release: From Small Molecules to Nanomaterials. <i>Chemical Reviews</i> , 2020 , 120, 13135-13272	68.1 99
274	Revival of Zeolite-Templated Nanocarbon Materials: Recent Advances in Energy Storage and Conversion. 2020 , 7, 2001335	18
273	A Perspective on Application of Carbon Quantum Dots in Luminescence Immunoassays. 2020 , 8, 580033	4
272	Ultrasmall AgTe Quantum Dots with Rapid Clearance for Amplified Computed Tomography Imaging and Augmented Photonic Tumor Hyperthermia. 2020 , 12, 42558-42566	12
271	EDonor/EAceptor Interactions for the Encapsulation of Neurotransmitters on Functionalized Polysilicon-Based Microparticles. <i>Pharmaceutics</i> , 2020 , 12,	6.4 2
270	Near-Infrared Fluorescent Thiol-Organosilica Nanoparticles That Are Functionalized with IR-820 and Their Applications for Long-Term Imaging of in Situ Labeled Cells and Depth-Dependent Tumor in Vivo Imaging. 2020 , 32, 7201-7214	7
269	All-Carbon Conductors for Electronic and Electrical Wiring Applications. 2020 , 7,	16
268	Adsorption of Polyadenylic acid on graphene oxide: experiments and computer modeling. 2020 , 1-13	1
267	A Systematic Comparative Study of the Toxicity of Semiconductor and Graphitic Carbon-Based Quantum Dots Using In Vitro Cell Models. 2020 , 10, 8845	1
266	Comprehensive study of monatomic fluid flow through elliptical carbon nanotubes. 2020 , 32, 092006	1
265	Tackling the Problem of Sensing Commonly Abused Drugs Through Nanomaterials and (Bio)Recognition Approaches. 2020 , 8, 561638	4

264	Nanodiamonds for bioapplications, recent developments. 2020 , 8, 10878-10896	9
263	Magnetically separable and recyclable bamboo-like carbon nanotube-based FRET assay for sensitive and selective detection of Hg. 2020 , 412, 3779-3786	6
262	Stereochemistry of Simple Molecules inside Nanotubes and Fullerenes: Unusual Behavior of Usual Systems. <i>Molecules</i> , 2020 , 25,	4.8 8
261	The Genoprotective Role of Naringin. 2020 , 10,	8
260	Nucleolus-Targeted Photodynamic Anticancer Therapy Using Renal-Clearable Carbon Dots. 2020 , 9, e2000607	29
259	Carbon Nanomaterials Applied for the Treatment of Inflammatory Diseases: Preclinical Evidence. 2020 , 3, 2000051	4
258	Preparation of galactose oxidase functional phosphorescent quantum dots and detection of D-galactose. 2020 , 240, 118599	
257	Advances in carbon dots: from the perspective of traditional quantum dots. 2020 , 4, 1586-1613	94
256	Hemocompatibility of Carbon Nanostructures. 2020 , 6, 12	13
255	miR-216a-targeting theranostic nanoparticles promote proliferation of insulin-secreting cells in type 1 diabetes animal model. 2020 , 10, 5302	16
254	Controlled Synthesis of Ag Te@Ag S Core-Shell Quantum Dots with Enhanced and Tunable Fluorescence in the Second Near-Infrared Window. 2020 , 16, e2001003	32
253	Nitrogen and sulfur co-doped carbon nanodots in living EA.hy926 and A549 cells: oxidative stress effect and mitochondria targeting. 2020 , 55, 6093-6104	10
252	Facile strategy by hyaluronic acid functional carbon dot-doxorubicin nanoparticles for CD44 targeted drug delivery and enhanced breast cancer therapy. 2020 , 578, 119122	56
251	Importance of Robust and Reliable Nanochannel Sealing for Enhancing Drug Delivery Efficacy of Hollow Mesoporous Nanocontainer.. 2020 , 3, 1434-1443	3
250	Derivatized Carbon Nanotubes for Gene Therapy in Mammalian and Plant Cells. 2020 , 85, 466-475	6
249	Label-Free Fluorescent Mesoporous Bioglass for Drug Delivery, Optical Triple-Mode Imaging, and Photothermal/Photodynamic Synergistic Cancer Therapy.. 2020 , 3, 2218-2229	16
248	Carbon Nanotubes in Biomedicine. 2020 , 378, 15	40
247	A novel photothermally controlled multifunctional scaffold for clinical treatment of osteosarcoma and tissue regeneration. 2020 , 36, 48-62	53

246	Extrusion of Polymer Nanocomposites with Graphene and Graphene Derivative Nanofillers: An Overview of Recent Developments. 2020 , 13,	31
245	Formation of aggregates, icosahedral structures and percolation clusters of fullerenes in lipids bilayers: The key role of lipid saturation. 2020 , 1862, 183328	6
244	Induced magnetic field in sp-hybridized carbon rings: analysis of double aromaticity and antiaromaticity in cyclo[2N]carbon allotropes. 2020 , 22, 9240-9249	21
243	Integrative treatment of anti-tumor/bone repair by combination of MoS ₂ nanosheets with 3D printed bioactive borosilicate glass scaffolds. <i>Chemical Engineering Journal</i> , 2020 , 396, 125081	14.7 26
242	Application of Zero-Dimensional Nanomaterials in Biosensing. 2020 , 8, 320	65
241	Carbon Allotrope-Based Optical Fibers for Environmental and Biological Sensing: A Review. 2020 , 20,	11
240	Self-Assembled Peptide Drug Delivery Systems.. 2021 , 4, 24-46	25
239	Turning Photons into Drugs: Phthalocyanine-Based Photosensitizers as Efficient Photoantimicrobials. 2021 , 27, 1903-1920	20
238	Near-infrared emission Cu, N-doped carbon dots for human umbilical vein endothelial cell labeling and their biocompatibility in vitro. 2021 , 41, 789-798	3
237	Computational assessment of thermostability in miRNA:CNT system using molecular dynamics simulations. 2021 , 1865, 129808	1
236	Preparation, characterization and in vitro anticancer performance of nanoconjugate based on carbon quantum dots and 5-Fluorouracil. 2021 , 120, 111781	8
235	A review of biomimetic scaffolds for bone regeneration: Toward a cell-free strategy. 2021 , 6, e10206	18
234	Microwave-triggered/HSP-targeted gold nano-system for triple-negative breast cancer photothermal therapy. 2021 , 593, 120162	9
233	Micro-/Nano-Structures on Biodegradable Magnesium@PLGA and Their Cytotoxicity, Photothermal, and Anti-Tumor Effects.. 2021 , 5, e2000920	3
232	Supramolecular coordination complexes as diagnostic and therapeutic agents. 2021 , 61, 19-31	11
231	Hybrid Graphene-Gold Nanoparticle-based Nucleic Acid Conjugates for Cancer-Specific Multimodal Imaging and Combined Therapeutics. 2021 , 31, 2006918	21
230	Nanobiosensor Reports on CDK1 Kinase Activity in Tumor Xenografts in Mice. 2021 , 17, e2007177	1
229	Degradable and Excretable Ultrasmall Transition Metal Selenide Nanodots for High-Performance Computed Tomography Bioimaging-Guided Photonic Tumor Nanomedicine in NIR-II Biowindow. 2021 , 31, 2008591	10

228	Two-dimensional biomaterials: material science, biological effect and biomedical engineering applications. 2021 , 50, 11381-11485	23
227	Development of Non-Porous Silica Nanoparticles towards Cancer Photo-Theranostics. 2021 , 9,	13
226	Recent advances in photocatalytic degradation of plastics and plastic-derived chemicals. 2021 , 9, 13402-13441	31
225	Flexible poly(dimethyl siloxane) composites enhanced with 3D porous interconnected three-component nanofiller framework for absorption-dominated electromagnetic shielding. 2021 , 59, 353-365	2
224	Role of microRNA in pancreatic beta cell function. 2021 , 359, 257-286	1
223	Fullerene translocation through peroxidized lipid membranes.. 2021 , 11, 7575-7586	1
222	Ibandronate-Loaded Carbon Nanohorns Fabricated Using Calcium Phosphates as Mediators and Their Effects on Macrophages and Osteoclasts. 2021 , 13, 3701-3712	1
221	Essence of nanoparticles and functional nanofillers for conducting polymers. 2021 , 57-76	
220	Recent advances in the photothermal applications of two-dimensional nanomaterials: photothermal therapy and beyond. 2021 , 9, 17569-17591	11
219	Uptake of carbon nanodots into human AML cells in comparison to primary hematopoietic cells.. 2021 , 11, 26303-26310	0
218	Advances in Drug Delivery Nanosystems Using Graphene-Based Materials and Carbon Nanotubes. 2021 , 14,	29
217	Graphene nanoribbons: A state-of-the-art in health care. 2021 , 595, 120269	6
216	A Smart "Sense-and-Treat" Nanoplatform Based on Semiconducting Polymer Nanoparticles for Precise Photothermal-Photodynamic Combined Therapy. 2021 , 22, 1137-1146	6
215	Design and synthesis of highly fluorescent and stable fullerene nanoparticles as probes for folic acid detection and targeted cancer cell imaging. 2021 , 32, 195501	2
214	Altering the characterization of nanofibers by changing the electrospinning parameters and their application in tissue engineering, drug delivery, and gene delivery systems. 2021 , 32, 1924-1950	5
213	Review Novel Carbon Nanomaterials Based Flexible Electrochemical Biosensors. 2021 , 168, 027504	5
212	How macrophages respond to two-dimensional materials: a critical overview focusing on toxicity. 2021 , 56, 333-356	3
211	Graphene Coating Obtained in a Cold-Wall CVD Process on the Co-Cr Alloy (L-605) for Medical Applications. 2021 , 22,	1

210	Mechanisms of Reactive Oxygen Species Generated by Inorganic Nanomaterials for Cancer Therapeutics. 2021 , 9, 630969	7
209	Binary organic nanoparticles with enhanced reactive oxygen species generation capability for photodynamic therapy. 2021 , 14, 2150009	
208	Ultra-high molecular weight polyethylene nanocomposites reinforced with novel surface chemically modified sonic-exfoliated graphene. 2021 , 11, 1932-1941	5
207	Impact of training and validation data on the performance of neural network potentials: A case study on carbon using the CA-9 dataset. 2021 , 3, 100027	1
206	Thermometric Characterization of Fluorescent Nanodiamonds Suitable for Biomedical Applications. 2021 , 11, 4065	2
205	Near-infrared photoactivated nanomedicines for photothermal synergistic cancer therapy. <i>Nano Today</i> , 2021 , 37, 101073	17.9 41
204	Rapid ex vivo assessment of cancer prognosis by fluorescence imaging of nucleolus using nitrogen doped carbon dots. 2021 , 1154, 338309	4
203	Antibody-Conjugated Gel-Coated Single-Walled Carbon Nanotubes as Photothermal Agents.. 2021 , 4, 5049-5056	2
202	Adsorption of organic molecules on carbon surfaces: Experimental data and molecular dynamics simulation considering multiple protonation states. 2021 , 589, 424-437	9
201	Influence of Luminescent Nanomaterials on Plant Growth and Development. 2021 , 7, 859-872	5
200	Engineering of Microcage Carbon Nanotube Architectures with Decoupled Multimodal Porosity and Amplified Catalytic Performance. 2021 , 33, e2008307	4
199	Fabrication of Biosensing Interface with Monolayers. 2021 , 37, 673-682	1
198	NIR-II-activated biocompatible hollow nanocarbons for cancer photothermal therapy. 2021 , 19, 137	10
197	Smart Hydrogels Meet Carbon Nanomaterials for New Frontiers in Medicine. 2021 , 9,	13
196	Diversity-oriented synthesis of nanographenes enabled by dearomative annulative extension. 2021 , 12, 3940	7
195	Synthesis of Fused Dihydroazepine Derivatives of Fullerenes by a Rh-Catalyzed Cascade Process. 2021 , 363, 3835-3844	3
194	Overcoming roadblocks in computational roadmaps to the future for safe nanotechnology. 2021 , 5, 022002	0
193	NIR-II Responsive Inorganic 2D Nanomaterials for Cancer Photothermal Therapy: Recent Advances and Future Challenges. 2021 , 31, 2101625	23

192	Photoluminescent Nanoparticles for Chemical and Biological Analysis and Imaging. <i>Chemical Reviews</i> , 2021 , 121, 9243-9358	68.1	40
191	Enhanced degradation of ciprofloxacin by cerium oxide/graphene oxide nanocomposite under ultrasound irradiation. 1-5		0
190	Biocatalytic Nanomaterials: A New Pathway for Bacterial Disinfection. 2021 , 33, e2100637		34
189	Activatable Rare Earth Near-Infrared-II Fluorescence Ratiometric Nanoprobes. <i>Nano Letters</i> , 2021 , 21, 6576-6583	11.5	13
188	Self-Assembling Peptides and Carbon Nanomaterials Join Forces for Innovative Biomedical Applications. <i>Molecules</i> , 2021 , 26,	4.8	9
187	Simulation of nanoparticles interacting with a cell membrane: probing the structural basis and potential biomedical application. 2021 , 13,		7
186	Electrocatalytic Isoxazoline-Nanocarbon Metal Complexes. 2021 , 143, 10441-10453		7
185	Cyclodextrin polymers: Structure, synthesis, and use as drug carriers. 2021 , 118, 101408		26
184	Singlet Oxygen Photosensitization Using Graphene-Based Structures and Immobilized Dyes: A Review. 2021 , 4, 7563-7586		4
183	Metal organic framework-coated gold nanorod as an on-demand drug delivery platform for chemo-photothermal cancer therapy. 2021 , 19, 219		9
182	Toxicity and remediation of pharmaceuticals and pesticides using metal oxides and carbon nanomaterials. 2021 , 275, 130055		31
181	Live-Cell Imaging of Survivin mRNA by Using a Dual-Color Surface-Cross-Linked Nanoquencher. 2021 , 93, 12081-12089		3
180	Broad-Spectrum Polymeric Nanoquencher as an Efficient Fluorescence Sensing Platform for Biomolecular Detection. 2021 , 6, 3102-3111		2
179	Targeting B Lymphocytes Using Protein-Functionalized Graphene Oxide. 2021 , 1, 2100060		2
178	Optical Properties of Carbon Dots in the Deep-Red to Near-Infrared Region Are Attractive for Biomedical Applications. 2021 , 17, e2102325		34
177	Photo-induced electron transfer of [C60 + Abacavir] nano-complex and feasibility of C60 fullerene application as a chemical shift reagent: a DFT/TD-DFT insights. 1		0
176	Vesicle Impact Electrochemical Cytometry to Determine Carbon Nanotube-Induced Fusion of Intracellular Vesicles. 2021 , 93, 13161-13168		0
175	Subcellular Targeted NanoHoop for One- and Two-Photon Live Cell Imaging. 2021 , 15, 15285-15293		5

174	Engineered Nanoparticles for Prevention against CoVID-19 Infection. 1166, 41-55		
173	Multifunctional carbon dots derived from dansyl chloride for ratiometric thermal sensor and reactive oxygen generation. <i>Dyes and Pigments</i> , 2021 , 194, 109549	4.6	1
172	Hyaluronic acid-based nanoplatfoms for Doxorubicin: A review of stimuli-responsive carriers, co-delivery and resistance suppression. 2021 , 272, 118491		25
171	Big family of nano- and microscale drug delivery systems ranging from inorganic materials to polymeric and stimuli-responsive carriers as well as drug-conjugates. 2021 , 66, 102790		5
170	Carbon nanomaterial-based nanogenerators for harvesting energy from environment. <i>Nano Energy</i> , 2021 , 90, 106494	17.1	5
169	CHAPTER 2. Carbon Nanomaterials as Carriers of Anti-inflammatory Drugs. <i>RSC Nanoscience and Nanotechnology</i> , 2021 , 39-55		
168	Boosting the AIEgen-based photo-theranostic platform by balancing radiative decay and non-radiative decay.		4
167	Bioapplications Manipulated by AIEgens with Nonlinear Optical Effect. 2021 , 37, 25-37		2
166	Sensitive MnFeO-Ag hybrid nanoparticles with photothermal and magnetothermal properties for hyperthermia applications.. 2021 , 11, 30054-30068		0
165	Chiral carbon dots-based nanosensors for Sn(II) detection and lysine enantiomers recognition. 2020 , 319, 128265		23
164	A Label-Free Aptasensor for the Detection of Ochratoxin A Based on Competitive Molecule-Level Interactions. 2020 , 167, 147518		4
163	BiVO ₄ nanofiber-based field-effect transistors for detection of epinephrine/adrenaline hormones.		1
162	A simple, universal and multifunctional template agent for personalized treatment of bone tumors.. 2022 , 12, 292-302		0
161	Graphene Biodevices for Early Disease Diagnosis Based on Biomarker Detection. 2021 , 6, 3841-3881		7
160	Effect of nanocarbon molecules on the Arabidopsis thaliana transcriptome.		
159	Nanodiamonds as a platform for targeted delivery of chlorin-based photosensitizers to cancer cells. 2021 , 108676		1
158	Carbon Dots: An Innovative Tool for Drug Delivery in Brain Tumors. 2021 , 22,		6
157	Azobenzene dyads containing fullerene, porphyrin and pyrene chromophores: Molecular design and optical properties. <i>Dyes and Pigments</i> , 2022 , 197, 109858	4.6	2

156	Sensing Materials: Carbon Materials. 2021 ,	
155	Formation of aggregates, icosahedral structures and percolation clusters of fullerenes in lipid bilayers: The key role of lipid saturation.	
154	Promising Graphene-Based Nanomaterials and Their Biomedical Applications and Potential Risks: A Comprehensive Review. 2021 ,	12
153	Water-Soluble Nanoparticles with Twisted Double [7]Carbohelicene for Lysosome-Targeted Cancer Photodynamic Therapy. 2021 , e2105365	4
152	Conjugated Polymer/Graphene Oxide NanocompositesState-of-the-Art. 2021 , 5, 292	1
151	Improving the self-assembly of bioresponsive nanocarriers by engineering doped nanocarbons: a computational atomistic insight. 2021 , 11, 21538	1
150	Functionalization and optimization-strategy of graphene oxide-based nanomaterials for gene and drug delivery. 2020 , 12, 1515-1534	4
149	Graphene: Structure, properties, preparation, modification, and applications. 2022 , 1-24	
148	Advances in microscopy and their applications in biomedical research. 2022 , 185-212	0
147	Polymer/graphene nanocomposites as versatile platforms for energy and electronic devices. 2022 , 173-196	
146	Current progress in organicInorganic hetero-nano-interfaces based electrochemical biosensors for healthcare monitoring. 2022 , 452, 214282	8
145	Multifunctional antimicrobial materials: From rational design to biomedical applications. 2022 , 125, 100887	13
144	Interactions Between Graphene-Based Materials and Biological Surfaces: A Review of Underlying Molecular Mechanisms. 2101132	2
143	Carbon Nanomaterials Derived from Black Carbon Soot: A Review of Materials and Applications.	5
142	Light-responsive nanomaterials for cancer therapy. 2021 ,	2
141	Porous MOF Microneedle Array Patch with Photothermal Responsive Nitric Oxide Delivery for Wound Healing. 2021 , e2103449	14
140	Shedding Light on DNA-Based Nanoprobes for Live-Cell MicroRNA Imaging. 2021 , e2106281	2
139	Carbon "quantum" dots for bioapplications. 2021 , 15353702211057513	1

138	Organic NIR-II dyes with ultralong circulation persistence for image-guided delivery and therapy.. 2022 , 342, 157-169		8
137	DFT study of 2D graphitic carbon nitride based preferential targeted delivery of levosimendan, a cardiovascular drug. 2022 , 1209, 113584		2
136	Nanotechnological Approaches for Efficient Delivery of Plant Ingredients. 2021 , 247-286		1
135	Carbon Dots with Intrinsic Bioactivities for Photothermal Optical Coherence Tomography, tumor-specific Therapy and Postoperative Wound Management.. 2021 , e2101448		8
134	The Role of Graphene Oxide Nanocarriers in Treating Gliomas.. 2022 , 12, 736177		3
133	Penetration of C 60 into lung surfactant membranes: Molecular dynamics simulation studies.		
132	The role of amide (n,π) transitions in polypeptide clusteroluminescence. <i>Cell Reports Physical Science</i> , 2022 , 3, 100716	6.1	2
131	Machine Learning-Assisted Pattern Recognition of Amyloid Beta Aggregates with Fluorescent Conjugated Polymers and Graphite Oxide Electrostatic Complexes.. 2022 ,		2
130	Tumor-Targeted Fluorescence Imaging and Mechanisms of Tumor Cell-Derived Carbon Nanodots.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	
129	Near-Infrared Upconversion Mesoporous Tin Dioxide Theranostic Nanocapsules for Synergetic Cancer Chemophototherapy.. 2022 ,		1
128	Polybenzoxazine - an enticing precursor for engineering heteroatom-doped porous carbon materials with applications beyond energy, environment and catalysis. 2022 , 23, 100734		0
127	Fluorescence turn-off sensing of TNT by polyethylenimine capped carbon quantum dots.. 2022 , 271, 120884		2
126	Applications of graphene-based electrochemical and optical biosensors in early detection of cancer biomarkers.. 2022 , 212, 112356		3
125	Fluorescence of nanodiamond cocktails: pH-induced effects through interactions with comestible liquids.. 2022 , 381, 132206		0
124	Strategies for sustainable synthesis processes of nanocarbons from biomass. 2022 , 21-51		
123	Biosensing Efficiency of Nanocarbon-Reinforced Polyacrylonitrile Nanofibrous Matrices.		3
122	Versatile carbon nanoplatfoms for cancer treatment and diagnosis: strategies, applications and future perspectives.. 2022 , 12, 2290-2321		3
121	A sequential cyclization/Extension strategy for modular construction of nanographenes enabled by stannole cycloadditions. <i>Chemical Science</i> ,	9.4	1

120	Enzyme-responsive strategy as a prospective cue to construct intelligent biomaterials for disease diagnosis and therapy.. 2022 ,		3
119	Curcumin and Graphene Oxide Incorporated into Alginate Hydrogels as Versatile Devices for the Local Treatment of Squamous Cell Carcinoma.. 2022 , 15,		2
118	Carbon-based and carbon-supported nanomaterials for the catalytic conversion of biomass: a review. 1		1
117	One-Step Green Synthesis of Water-Soluble Fluorescent Carbon Dots and Its Application in the Detection of Cu.. 2022 , 12,		3
116	Gold nanorod-decorated multiwalled carbon nanotubes for near-infrared photothermal therapy. 2022 ,		
115	Progress in the Development of Graphene-Based Biomaterials for Tissue Engineering and Regeneration.. 2022 , 15,		5
114	Photosensitive-Stamp-Inspired Scalable Fabrication Strategy of Wearable Sensing Arrays for Noninvasive Real-Time Sweat Analysis.. 2022 ,		2
113	Polymer/Graphene Nanocomposite Membranes: Status and Emerging Prospects. 2022 , 6, 76		1
112	Development, Therapeutic Evaluation and Theranostic Applications of Cubosomes on Cancers: An Updated Review.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	1
111	Fullerenes for Anticancer Drug Targeting: Teaching an Old Dog a New Trick.. 2022 ,		0
110	Lanthanide europium MOF nanocomposite as the theranostic nanoplatform for microwave thermo-chemotherapy and fluorescence imaging.. 2022 , 20, 133		4
109	Light amplified oxidative stress in tumor microenvironment by carbonized hemin nanoparticles for boosting photodynamic anticancer therapy.. 2022 , 11, 47		2
108	Multifunctional PA/FL Dual-mode Imaging Gold-based Theranostic Nanoformulation without External Laser Limitations.. 2022 , e2110690		4
107	Sensing behaviour of monocyclic C18 and B9N9 analogues toward chemical warfare agents (CWAs); quantum chemical approach. 2022 , 30, 101912		0
106	Indoor synthesis of carbon quantum dots and its potential applications study as tracers in oilfields. 2022 , 213, 110325		2
105	Site-Specific Reduction-Induced Hydrogenation of a Helical Bilayer Nanographene with K and Rb Metals: Electron Multiaddition and Selective Rb + Complexation. 2022 , 134,		
104	Influence of Structural, Electronic and Spin Properties of ND[NV] - Surface Group Conjugates on Formation of Their Biological Activity: Quantum Chemical Simulations. 2021 , 24, 348-355		
103	Nitrogen-Doped Carbon Nanotube Cups for Cancer Therapy.		1

102	Site-Specific Reduction-Induced Hydrogenation of a Helical Bilayer Nanographene with K and Rb Metals: Electron Multiaddition and Selective Rb ⁺ Complexation. 2021 ,		2
101	Preparation of Graphene Quantum Dots by Visible-Fenton Reaction and Ultrasensitive Label-Free Immunosensor for Detecting Lipovitellin of <i>Paralichthys Olivaceus</i> .. 2022 , 12,		2
100	Recent Advances in Nanoparticles-based Photothermal Therapy Synergizing with Immune Checkpoint Blockade Therapy. 2022 , 110656		2
99	Recent advances in Carbon Dots/2-D hybrid materials. <i>Carbon</i> , 2022 , 195, 219-245	10.4	3
98	Flexible intelligent array patch based on synergy of polyurethane and nanofiber for sensitive monitor and smart treatment. <i>Chemical Engineering Journal</i> , 2022 , 443, 136378	14.7	3
97	Carbon nanomaterial-based sensors for the development of sensitive sensor platform. 2022 , 191-246		0
96	Simple preparation of novel photochromic polyvinyl alcohol/carboxymethyl cellulose security barcode incorporated with lanthanide-doped aluminate for anticounterfeiting applications.. <i>Luminescence</i> , 2022 ,	2.5	0
95	Intrinsic specificity of plain ammonium citrate carbon dots for <i>Helicobacter pylori</i> : Interfacial mechanism, diagnostic translation and general revelation. <i>Materials Today Bio</i> , 2022 , 100282	9.9	0
94	A MXene-derived redox homeostasis regulator perturbs the Nrf2 antioxidant program for reinforced sonodynamic therapy. <i>Chemical Science</i> ,	9.4	5
93	Water-stable Perovskite Quantum Dots-based FRET Nanosensor for the Detection of Rhodamine 6G in Water, Food, and Biological Samples. <i>Microchemical Journal</i> , 2022 , 180, 107624	4.8	1
92	Resonant quenching of photoluminescence in porphyrin-nanocarbon agglomerates. <i>Cell Reports Physical Science</i> , 2022 , 100916	6.1	0
91	Biomimetic Exosomes: A New Generation of Drug Delivery System. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10,	5.8	3
90	3D printing of graphene-based composites and their applications in medicine and health care. 2022 , 463-485		
89	Chapter 8. Nanocatalysis With Sustainability. <i>RSC Nanoscience and Nanotechnology</i> , 2022 , 220-254		
88	Dual-Driven Mechanically and Tribologically Adaptive Hydrogels Solely Constituted of Graphene Oxide and Water. <i>Nano Letters</i> ,	11.5	2
87	Photoisomerization of Covalently Attached Diarylethene on Locally Functionalized Single-Walled Carbon Nanotubes for Photoinduced Wavelength Switching of Near-Infrared Photoluminescence. <i>Journal of Physical Chemistry C</i> ,	3.8	0
86	Promising Therapeutic Strategies for Colorectal Cancer Treatment Based on Nanomaterials. <i>Pharmaceutics</i> , 2022 , 14, 1213	6.4	5
85	A computational study of CH ₄ storage on Sc functionalized C ₄₈ B ₁₂ heterofullerene. <i>Chemical Physics Letters</i> , 2022 , 802, 139751	2.5	0

84	Carbon dots in agricultural system. 2022 , 175-197		1
83	Influence of interfacial aspects on electromagnetic interference shielding performance of graphene reinforced nanocomposites: an overview. <i>Composite Interfaces</i> , 1-24	2.3	1
82	The Application of Carbon Nanomaterials in Sensing, Imaging, Drug Delivery and Therapy for Gynecologic Cancers: An Overview. <i>Molecules</i> , 2022 , 27, 4465	4.8	0
81	Dual regulation on oxidative stress and endoplasmic reticulum stress by [70] fullerenes for reversing insulin resistance in diabetes. <i>Nano Today</i> , 2022 , 45, 101541	17.9	
80	Ferrocenylseleno-dopamine functionalized carbon dots for redox-gated imaging and drug delivery in cancer cells. <i>Dyes and Pigments</i> , 2022 , 205, 110586	4.6	0
79	Recent advances on ink-based printing techniques for triboelectric nanogenerators: Printable inks, printing technologies and applications. <i>Nano Energy</i> , 2022 , 101, 107585	17.1	1
78	Construction of Long-Wavelength Emissive Organic Nanosensitizer Targeting Mitochondria for Precise and Efficient In Vivo Sonotherapy. 2207259		6
77	Effect of Ionic Liquid Anions in Tuning the Morphology and Size of Ag in rGO-Ag Nanocomposites: Anticancer Activity of the Composites Against A549 Lung Cancer Cells.		0
76	Enhanced singlet oxygen production under nanoconfinement using silica nanocomposites towards improving the photooxygenation conversion. 2022 , 24,		0
75	Hyaluronic acid-based nano drug delivery systems for breast cancer treatment: Recent advances. 10,		2
74	Carbonaceous nanomaterials incorporated biomaterials: The present and future of the flourishing field. 2022 , 243, 110150		4
73	Adsorptive carbon-based materials for biomedical applications. 2022 , 3, 352-364		1
72	Graphene nanoribbons are internalized by human primary immune cell subpopulations maintaining a safety profile: A high-dimensional pilot study by single-cell mass cytometry. 2022 , 29, 101593		
71	Single-walled carbon nanohorns-based smart nanotheranostic: From phototherapy to enzyme-activated fluorescence imaging-guided photodynamic therapy. 2022 , 628, 273-286		0
70	Favipiravir attachment to a conical nanocarbon: DFT assessments of the drug delivery approach. 2022 , 1216, 113866		0
69	The utilization of carbon-based nanomaterials in bone tissue regeneration and engineering: Respective featured applications and future prospects. 2022 , 16, 100168		0
68	Medical Nanomaterials. 2022 , 1-48		0
67	Highly biocompatible chlorin e6-poly(dopamine) core-shell nanoparticles for enhanced cancer phototherapy.		0

- 66 Single-walled carbon nanohorns and cobalt@nitrogen-doped carbon nanotube polyhedrons modified electrode as sensitive electrochemical sensing platform for luteolin detection. ○
- 65 Synthesis of Carbon Nanodots from Sugarcane Syrup, and Their Incorporation into a Hydrogel-Based Composite to Fabricate Innovative Fluorescent Microstructured Polymer Optical Fibers. **2022**, 8, 553 ○
- 64 Bone Implants (Bone Regeneration and Bone Cancer Treatments). **2022**, 265-321 ○
- 63 Nanoparticles and Nanocolloidal Carbon: Will They Be the Next Antidiabetic Class That Targets Fibrillation and Aggregation of Human Islet Amyloid Polypeptide in Type 2 Diabetes?. ○
- 62 Gold Nanoparticle-Incorporated Chitosan Nanogels as a Theranostic Nanoplatform for CT Imaging and Tumour Chemotherapy. Volume 17, 4757-4772 ○
- 61 ROS-responsive PPGF nanofiber membrane as a drug delivery system for long-term drug release in attenuation of osteoarthritis. **2022**, 7, ○
- 60 Porphyrin Nanocarbon Complexes to Control the Photodegradation of Rhodamine. ○
- 59 Engineering of BODIPY-based theranostics for cancer therapy. **2023**, 476, 214908 1
- 58 Kill three birds with one stone: Mitochondria-localized tea saponin derived carbon dots with AIE properties for stable detection of HSA and extremely acidic pH. **2023**, 405, 134865 ○
- 57 Multifunctional N,S-doped and methionine functionalized carbon dots for on-off-on Fe³⁺ and ascorbic acid sensing, cell imaging, and fluorescent ink applying. 2
- 56 Potentialities of fluorescent carbon nanomaterials as sensor for food analysis. ○
- 55 Penetration and Translocation of Functional Inorganic Nanomaterials into Biological Barriers. **2022**, 114615 1
- 54 Recent Development of Nano-Carbon Material in Pharmaceutical Application: A Review. **2022**, 27, 7578 1
- 53 Mixed dimensional Transition Metal Dichalcogenides (TMDs) vdW Heterostructure based Photodetectors: A review. **2023**, 269, 111926 ○
- 52 miRNA Theranostic Nanoparticles Promote Pancreatic Beta Cell Proliferation in Type 1 Diabetes Model. **2023**, 207-218 ○
- 51 Nanotechnology-based electrochemical biosensors for monitoring breast cancer biomarkers. ○
- 50 Synthesis and Characterization of Hybrid Materials Derived from Conjugated Copolymers and Reduced Graphene Oxide. **2022**, 14, 5292 ○
- 49 The Coming of Age of Neodymium: Redefining Its Role in Rare Earth Doped Nanoparticles. ○

48	Wearable design for occupational safety of Pb ²⁺ water pollution monitoring based on fluorescent CDs. 2022 ,	0
47	Electronic Control of the Scholl Reaction: Selective Synthesis of Spiro vs Helical Nanographenes.	0
46	Electronic Control of the Scholl Reaction: Selective Synthesis of Spiro vs Helical Nanographenes.	0
45	Nanomaterials targeting macrophages in sepsis: A promising approach for sepsis management. 13,	1
44	Significant role of carbon nanomaterials in material extrusion-based 3D printed Triboelectric nanogenerators.	0
43	Synthesis of Chrysoporphyrins and a Related Benzopyrene-Fused System. 2022 , 87, 16276-16296	1
42	Black phosphorous-based biomaterials for bone defect regeneration: a systematic review and meta-analysis. 2022 , 20,	0
41	Smart Chemical Oxidative Polymerization Strategy To Construct Au@PPy CoreShell Nanoparticles for Cancer Diagnosis and Imaging-Guided Photothermal Therapy.	0
40	Polymer/graphene nanocomposite for corrosion protection application: From design to technical trends. 2022 , 61, 1521-1543	1
39	Synthetic biodegradable polymeric materials in non-viral gene delivery. 1-12	0
38	Functionalized Carbon Nanoparticles as Theranostic Agents and Their Future Clinical Utility in Oncology. 2023 , 10, 108	0
37	Manufacturing Strategies for Graphene Derivative Nanocomposites Current Status and Fruitions. 2023 , 3, 1-19	0
36	Biocompatibility Evaluation of Carbon Nanohorns in Bone Tissues. 2023 , 13, 244	0
35	Medical Nanomaterials. 2023 , 51-98	0
34	Blue Fluorescent Nitrogen-Doped Carbon Dots for the Specific Detection of Mn ²⁺ . 2023 , 8,	0
33	Green Synthesis of Carbon Nanoparticles (CNPs) from Biomass for Biomedical Applications. 2023 , 24, 1023	1
32	Efficient delivery of anticancer 5-fluorouracil drug by alkaline earth metal functionalized porphyrin-like porous fullerenes: A DFT study. 2023 , 120, 108403	0
31	A Review on Low-Dimensional Nanomaterials: Nanofabrication, Characterization and Applications. 2023 , 13, 160	2

- 30 Biomimetic, pH-Responsive Nanoplatfoms for Cancer Multimodal Imaging and Photothermal Immunotherapy. **2023**, 15, 1784-1797 ○
- 29 Fullerene grafted polymers: Covalent means. **2023**, 21-42 ○
- 28 State-of-the-art of polymer/fullerene nanocomposites in biomedical field. **2023**, 211-250 ○
- 27 Red emissive carbon dots as a fluorescent sensor for fast specific monitoring and imaging of polarity in living cells. **2023**, 11, 2679-2689 1
- 26 Fullerene: Fundamentals and state-of-the-art. **2023**, 1-19 ○
- 25 Carbon dots (C-dots): fluorescence processes and bioimaging. **2023**, 201-213 ○
- 24 Theranostic applications of functionalized carbon nanotubes. **2023**, 255-294 ○
- 23 Graphene Catalysis Made Easy. **2023**, ○
- 22 Susceptibility of Polycyclic Aromatic Hydrocarbons in Oxidative Voltammetry: Unveiling the Effect of Electrolyte-coordination. **2023**, ○
- 21 Superior biocompatible carbon dots for dynamic fluorescence imaging of nucleoli in living cells. **2023**, 11, 2935-2949 ○
- 20 Building Highly Light-Harvesting Near-Infrared AIEgens Using Triazole-Based Luminescent Core for Improved Intravital Afterglow Imaging. 2212380 ○
- 19 Assessing the drug delivery of ibuprofen by the assistance of metal-doped graphenes: Insights from density functional theory. **2023**, 135, 109893 ○
- 18 DFT assessments of BN, AlN, and GaN decorated carbon cage scaffolds for sensing the thiamazole drug. **2023**, 135, 109800 ○
- 17 Self-Assembly of Selenium-Doped Carbon Quantum Dots as Antioxidants for Hepatic Ischemia-Reperfusion Injury Management. ○
- 16 Design, development, and drug delivery applications of graphene polymeric nanocomposites and bionanocomposites. ○
- 15 Nanotechnology in Management of Environmental Contaminants. **2023**, 383-401 ○
- 14 Reservoir Adaptability Evaluation and Application Technology of Carbon Quantum Dot Fluorescent Tracer. **2023**, 4, 703-718 ○
- 13 Introducing a New Type of Drug Delivery System Based on the Silicon Carbide Monolayer. ○

- 12 Graphene Nanocomposites in Space Sector Fundamentals and Advancements. **2023**, 9, 29
- 11 Supramolecular photosensitizers using extended macrocyclic hosts for photodynamic therapy with distinct cellular delivery. **2023**, 14, 3523-3530
- 10 Sustainable Nanomaterials for Biomedical Applications. **2023**, 15, 922
- 9 Advances in two-dimensional engineered nanomaterials applications for the agro- and food-industries.
- 8 Graphene in Polymeric Nanocomposite Membranes Current State and Progress. **2023**, 11, 927
- 7 Traditional Electrode Materials for Supercapacitor Applications. **2023**, 19-64
- 6 Boron Dopants in Red-Emitting B and N Co-Doped Carbon Quantum Dots Enable Targeted Imaging of Lysosomes. **2023**, 15, 17045-17053
- 5 Second Near-Infrared Light Triggered Mini Plasmonic Heterostructures for Photothermal-Derived Multimodal Synergistic Cancer Therapy.
- 4 Lithium-Mediated Mechanochemical Cyclodehydrogenation. **2023**, 145, 8163-8175
- 3 Computational insights into the singlet-triplet energy gaps, ionization energies, and electron affinities for a diverse set of 812 small fullerenes (C₂₀-C₅₀). **2023**, 25, 10899-10906
- 2 Investigation of the cyclo[12]carbon nanoring and respective analogues (Al₆N₆ and B₆N₆) as support for the single atom catalysis of the hydrogen evolution reaction. **2023**, 162, 107544
- 1 Nanodiamond in cancer theranostics. **2023**, 2, e9130019