

Yiqun Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

3,309
citations

172457

29
h-index

214800

47
g-index

50
all docs

50
docs citations

50
times ranked

3730
citing authors

#	ARTICLE	IF	CITATIONS
1	Crossing the blood-brain barrier with nanoparticles. <i>Journal of Controlled Release</i> , 2018, 270, 290-303.	9.9	512
2	Recent development of carbon quantum dots regarding their optical properties, photoluminescence mechanism, and core structure. <i>Nanoscale</i> , 2019, 11, 4634-4652.	5.6	301
3	Recent Developments of Carbon Dots in Biosensing: A Review. <i>ACS Sensors</i> , 2020, 5, 2724-2741.	7.8	266
4	Triple conjugated carbon dots as a nano-drug delivery model for glioblastoma brain tumors. <i>Nanoscale</i> , 2019, 11, 6192-6205.	5.6	184
5	Size-dependent photocatalytic activity of carbon dots with surface-state determined photoluminescence. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 157-166.	20.2	165
6	Nanoparticle-mediated targeted drug delivery for breast cancer treatment. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2019, 1871, 419-433.	7.4	151
7	A deep investigation into the structure of carbon dots. <i>Carbon</i> , 2021, 173, 433-447.	10.3	128
8	Carbon dots: promising biomaterials for bone-specific imaging and drug delivery. <i>Nanoscale</i> , 2017, 9, 17533-17543.	5.6	118
9	Polymers in Carbon Dots: A Review. <i>Polymers</i> , 2017, 9, 67.	4.5	112
10	Bone Tissue Engineering via Carbon-Based Nanomaterials. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901495.	7.6	111
11	Nontoxic amphiphilic carbon dots as promising drug nanocarriers across the blood-brain barrier and inhibitors of I ² -amyloid. <i>Nanoscale</i> , 2019, 11, 22387-22397.	5.6	83
12	Tryptophan carbon dots and their ability to cross the blood-brain barrier. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 176, 488-493.	5.0	71
13	Carbon Dots: Diverse Preparation, Application, and Perspective in Surface Chemistry. <i>Langmuir</i> , 2019, 35, 9115-9132.	3.5	70
14	Polyethylene glycol (PEG) derived carbon dots: Preparation and applications. <i>Applied Materials Today</i> , 2020, 20, 100677.	4.3	69
15	Phenylenediamine-derived near infrared carbon dots: The kilogram-scale preparation, formation process, photoluminescence tuning mechanism and application as red phosphors. <i>Carbon</i> , 2022, 192, 198-208.	10.3	69
16	Carbon Dots: A Future Blood-Brain Barrier Penetrating Nanomedicine and Drug Nanocarrier. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 5003-5016.	6.7	64
17	Carbon Nitride Dots: A Selective Bioimaging Nanomaterial. <i>Bioconjugate Chemistry</i> , 2019, 30, 111-123.	3.6	62
18	Photoluminescent Carbon Dots: A Mixture of Heterogeneous Fractions. <i>ChemPhysChem</i> , 2018, 19, 2589-2597.	2.1	49

#	ARTICLE	IF	CITATIONS
19	Gel-like Carbon Dots: Characterization and their Potential Applications. <i>ChemPhysChem</i> , 2017, 18, 890-897.	2.1	48
20	Metformin derived carbon dots: Highly biocompatible fluorescent nanomaterials as mitochondrial targeting and blood-brain barrier penetrating biomarkers. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 485-497.	9.4	47
21	Carbon dots and gold nanoparticles based immunoassay for detection of alpha-L-fucosidase. <i>Analytica Chimica Acta</i> , 2018, 1041, 114-121.	5.4	45
22	Nanoparticle-mediated approaches for Alzheimer's disease pathogenesis, diagnosis, and therapeutics. <i>Journal of Controlled Release</i> , 2019, 314, 125-140.	9.9	43
23	Pediatric glioblastoma target-specific efficient delivery of gemcitabine across the blood-brain barrier via carbon nitride dots. <i>Nanoscale</i> , 2020, 12, 7927-7938.	5.6	43
24	Synthesis Mechanisms, Structural Models, and Photothermal Therapy Applications of Top-Down Carbon Dots from Carbon Powder, Graphite, Graphene, and Carbon Nanotubes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1456.	4.1	41
25	Facile Synthesis of Boron-Doped Carbon Dots and Their Application in Visible-Light-Driven Photocatalytic Degradation of Organic Dyes. <i>Nanomaterials</i> , 2020, 10, 1560.	4.1	40
26	Embedding Carbon Dots in Superabsorbent Polymers for Additive Manufacturing. <i>Polymers</i> , 2018, 10, 921.	4.5	39
27	Direct conjugation of distinct carbon dots as Lego-like building blocks for the assembly of versatile drug nanocarriers. <i>Journal of Colloid and Interface Science</i> , 2020, 576, 412-425.	9.4	35
28	Drug delivery of memantine with carbon dots for Alzheimer's disease: blood-brain barrier penetration and inhibition of tau aggregation. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 20-31.	9.4	35
29	Crossing the blood-brain barrier with carbon dots: uptake mechanism and <i>in vivo</i> cargo delivery. <i>Nanoscale Advances</i> , 2021, 3, 3942-3953.	4.6	34
30	Carbon dot composites for bioapplications: a review. <i>Journal of Materials Chemistry B</i> , 2022, 10, 843-869.	5.8	33
31	Photosynthesis Enhancement in Maize via Nontoxic Orange Carbon Dots. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 5446-5451.	5.2	29
32	Recent advances on utilization of bioprinting for tumor modeling. <i>Bioprinting</i> , 2020, 18, e00079.	5.8	22
33	Thermoelectric performance of Cu ₂ Se doped with rapidly synthesized gel-like carbon dots. <i>Journal of Alloys and Compounds</i> , 2021, 864, 157916.	5.5	22
34	Gel-like carbon dots: A high-performance future photocatalyst. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 519-532.	9.4	22
35	Close-Packed Langmuir Monolayers of Saccharide-Based Carbon Dots at the Air-Subphase Interface. <i>Langmuir</i> , 2019, 35, 6708-6718.	3.5	21
36	3D printed ABS/paraffin hybrid rocket fuels with carbon dots for superior combustion performance. <i>Combustion and Flame</i> , 2021, 225, 428-434.	5.2	21

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37	Structure-activity relationship of carbon nitride dots in inhibiting Tau aggregation. <i>Carbon</i> , 2022, 193, 1-16.	10.3	20
38	Rheology of a carbon dot gel. <i>Inorganica Chimica Acta</i> , 2017, 468, 119-124.	2.4	13
39	Insights into the photoluminescence properties of gel-like carbon quantum dots embedded in poly(methyl methacrylate) polymer. <i>Materials Today Communications</i> , 2019, 18, 32-38.	1.9	11
40	Development of Red-Emissive Carbon Dots for Bioimaging through a Building Block Approach: Fundamental and Applied Studies. <i>Bioconjugate Chemistry</i> , 2022, 33, 226-237.	3.6	11
41	In vivo characterization of carbon dotsâ€“bone interactions: toward the development of bone-specific nanocarriers for drug delivery. <i>Drug Delivery</i> , 2021, 28, 1281-1289.	5.7	9
42	Crossing Bloodâ€“Brain Barrier with Carbon Quantum Dots. <i>FASEB Journal</i> , 2019, 33, 785.8.	0.5	9
43	Quantification of Nucleic Acid Concentration in the Nanoparticle or Polymer Conjugates Using Circular Dichroism Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 2255-2262.	6.5	8
44	Facile and Sensitive Detection of Nitrogen-Containing Organic Bases with Near Infrared C-Dots Derived Assays. <i>Nanomaterials</i> , 2021, 11, 2607.	4.1	7
45	DFMO Carbon Dots for Treatment of Neuroblastoma and Bioimaging. <i>ACS Applied Bio Materials</i> , 2022, 5, 3300-3309.	4.6	6
46	Rapid qualitative and quantitative analyses of anthocyanin composition in berries from the Tibetan Plateau with UPLC-quadruple-Orbitrap MS and their antioxidant activities. <i>European Journal of Mass Spectrometry</i> , 2020, 26, 301-308.	1.0	5
47	Enhancement of Thermoelectric Figure of Merit of Bi ₂ Te ₃ Using Carbon Dots. , 2018, , .		2
48	Determine both the conformation and orientation of a specific residue in Î±-synuclein(61â€“95) even in monolayer by ¹³ C isotopic label and p-polarized multiple-angle incidence resolution spectrometry (pMAIRS). <i>Analytical Sciences</i> , 2022, 38, 935-940.	1.6	2
49	THER-35. TARGETED DUAL DRUG DELIVERY USING NON-TOXIC CARBON DOTS AS A NANOCARRIER FOR PEDIATRIC BRAIN TUMORS. <i>Neuro-Oncology</i> , 2019, 21, ii121-ii121.	1.2	0