Hao Li

List of Publications by Citations

52 papers	2,607 citations	31 h-index	51 g-index
52 ext. papers	3,198 ext. citations	8.7 avg, IF	5.05 L-index

#	Paper	IF	Citations
52	Carbon dots enhance the stability of CdS for visible-light-driven overall water splitting. *Applied Catalysis B: Environmental*, **2017**, 216, 114-121	21.8	161
51	Facile fabrication of a CoO/g-C3N4 p□ heterojunction with enhanced photocatalytic activity and stability for tetracycline degradation under visible light. *Catalysis Science and Technology*, **2017**, 7, 3325-3331	5.5	150
50	Degradable Carbon Dots with Broad-Spectrum Antibacterial Activity. *ACS Applied Materials & Interfaces*, **2018**, 10, 26936-26946	9.5	143
49	CoO and g-C3N4 complement each other for highly efficient overall water splitting under visible light. *Applied Catalysis B: Environmental*, **2018**, 226, 412-420	21.8	125
48	Fluorescent N-doped carbon dots for both cellular imaging and highly-sensitive catechol detection. *Carbon*, **2015**, 91, 66-75	10.4	122
47	Carbon dots promote the growth and photosynthesis of mung bean sprouts. *Carbon*, **2018**, 136, 94-102	10.4	107
46	Carbon Dots as Fillers Inducing Healing/Self-Healing and Anticorrosion Properties in Polymers. *Advanced Materials*, **2017**, 29, 1701399	24	104
45	A CoO-CDots-CN three component electrocatalyst design concept for efficient and tunable CO reduction to syngas. *Nature Communications*, **2017**, 8, 1828	17.4	102
44	Fluorescent N-Doped Carbon Dots as in Vitro and in Vivo Nanothermometer. *ACS Applied Materials & Interfaces*, **2015**, 7, 27324-30	9.5	95
43	Impacts of Carbon Dots on Rice Plants: Boosting the Growth and Improving the Disease Resistance.. *ACS Applied Bio Materials*, **2018**, 1, 663-672	4.1	85
42	N,S co-doped carbon dots as a stable bio-imaging probe for detection of intracellular temperature and tetracycline. *Journal of Materials Chemistry B*, **2017**, 5, 3293-3299	7.3	83
41	One-step hydrothermal synthesis of chiral carbon dots and their effects on mung bean plant growth. *Nanoscale*, **2018**, 10, 12734-12742	7.7	82
40	Tuning laccase catalytic activity with phosphate functionalized carbon dots by visible light. *ACS Applied Materials & Interfaces*, **2015**, 7, 10004-12	9.5	79
39	Carbon dots decorated the exposing high-reactive (111) facets CoO octahedrons with enhanced photocatalytic activity and stability for tetracycline degradation under visible light irradiation. *Applied Catalysis B: Environmental*, **2017**, 219, 36-44	21.8	73
38	Hydroxyl-Group-Dominated Graphite Dots Reshape Laser Desorption/Ionization Mass Spectrometry for Small Biomolecular Analysis and Imaging. *ACS Nano*, **2017**, 11, 9500-9513	16.7	59
37	Quantitative and real-time effects of carbon quantum dots on single living HeLa cell membrane permeability. *Nanoscale*, **2014**, 6, 5116-20	7.7	55
36	The design of room-temperature-phosphorescent carbon dots and their application as a security ink. *Journal of Materials Chemistry C*, **2019**, 7, 10605-10612	7.1	51

35	One-step catalase controllable degradation of CN for N-doped carbon dot green fabrication and their bioimaging applications. *Journal of Materials Chemistry B*, **2014**, 2, 5768-5774	7.3	51
34	Control Strategy on Two-/Four-Electron Pathway of Water Splitting by Multidoped Carbon Based Catalysts. *ACS Catalysis*, **2017**, 7, 1637-1645	13.1	50
33	A critical study of the generality of the two step two electron pathway for water splitting by application of a C3N4/MnO2 photocatalyst. *Nanoscale*, **2016**, 8, 11956-61	7.7	45
32	Fluorescent carbon dots with tunable negative charges for bio-imaging in bacterial viability assessment. *Carbon*, **2017**, 120, 95-102	10.4	43
31	Enhanced RuBisCO activity and promoted dicotyledons growth with degradable carbon dots. *Nano Research*, **2019**, 12, 1585-1593	10	42
30	Achieving electroreduction of CO2 to CH3OH with high selectivity using a pyrite□ickel sulfide nanocomposite. *RSC Advances*, **2017**, 7, 1376-1381	3.7	41
29	Carbon dots from PEG for highly sensitive detection of levodopa. *Journal of Materials Chemistry B*, **2015**, 3, 2378-2387	7.3	41
28	New Insight of Water-Splitting Photocatalyst: HO-Resistance Poisoning and Photothermal Deactivation in Sub-micrometer CoO Octahedrons. *ACS Applied Materials & Interfaces*, **2017**, 9, 20585-20593	9.5	39
27	Fluorescent carbon dots for sensitive determination and intracellular imaging of zinc(II) ion. *Mikrochimica Acta*, **2015**, 182, 2443-2450	5.8	38
26	Chiral evolution of carbon dots and the tuning of laccase activity. *Nanoscale*, **2018**, 10, 2333-2340	7.7	37
25	Convenient and sensitive detection of norfloxacin with fluorescent carbon dots. *Journal of Materials Chemistry B*, **2014**, 2, 7964-7970	7.3	37
24	High-bright fluorescent carbon dots and their application in selective nucleoli staining. *Journal of Materials Chemistry B*, **2014**, 2, 5077-5082	7.3	37
23	Fluorescent carbon dots with highly negative charges as a sensitive probe for real-time monitoring of bacterial viability. *Journal of Materials Chemistry B*, **2017**, 5, 6008-6015	7.3	35
22	Biocompatible carbon dots with low-saturation-intensity and high-photobleaching-resistance for STED nanoscopy imaging of the nucleolus and tunneling nanotubes in living cells. *Nano Research*, **2019**, 12, 3075-3084	10	35
21	Carbon Dots Enhance the Nitrogen Fixation Activity of Azotobacter Chroococcum. *ACS Applied Materials & Interfaces*, **2018**, 10, 16308-16314	9.5	30
20	Highly sensitive, stable, and precise detection of dopamine with carbon dots/tyrosinase hybrid as fluorescent probe. *RSC Advances*, **2014**, 4, 46437-46443	3.7	30
19	High-bright fluorescent carbon dot as versatile sensing platform. *Talanta*, **2017**, 174, 265-273	6.2	29
18	Negatively Charged Carbon Nanodots with Bacteria Resistance Ability for High-Performance Antibiofilm Formation and Anticorrosion Coating Design. *Small*, **2019**, 15, e1900007	11	29

17	Carbon dots for photoswitching enzyme catalytic activity. *Journal of Materials Chemistry B*, **2014**, 2, 5652-5658	7.3	28
16	Visible-Light-Induced Effects of Au Nanoparticle on Laccase Catalytic Activity. *ACS Applied Materials & Interfaces*, **2015**, 7, 20937-44	9.5	27
15	A practical and highly sensitive C3N4-TYR fluorescent probe for convenient detection of dopamine. *Nanoscale*, **2015**, 7, 12068-75	7.7	26
14	Luminescent Coordination Polymers for Highly Sensitive Detection of Nitrobenzene. *Crystal Growth and Design*, **2015**, 15, 4355-4362	3.5	23
13	Oxygen Containing Functional Groups Dominate the Electrochemiluminescence of Pristine Carbon Dots. *Journal of Physical Chemistry C*, **2017**, 121, 27546-27554	3.8	21
12	Multifunctional carbon dot for lifetime thermal sensing, nucleolus imaging and antialgal activity. *Journal of Materials Chemistry B*, **2018**, 6, 5708-5717	7.3	20
11	A cobalt-based 3D porous framework with excellent catalytic ability for the selective oxidation of cis-cyclooctene. *Dalton Transactions*, **2013**, 42, 9423-7	4.3	16
10	Pyridine derivative-induced fluorescence in multifunctional modified carbon dots and their application in thermometers. *Journal of Materials Chemistry B*, **2017**, 5, 3964-3969	7.3	15
9	Biotoxicity of degradable carbon dots towards microalgae Chlorella vulgaris. *Environmental Science: Nano*, **2019**, 6, 3316-3323	7.1	15
8	Homochiral metal□organic porous materials for enantioselective recognition and electrocatalysis. *CrystEngComm*, **2013**, 15, 3288	3.3	13
7	Simultaneous enzymatic activity modulation and rapid determination of enzyme kinetics by highly crystalline graphite dots. *Nanoscale*, **2017**, 9, 8410-8417	7.7	10
6	Long-wavelength excitation of carbon dots as the probe for real-time imaging of the living-cell cycle process. *Sensors and Actuators B: Chemical*, **2020**, 311, 127891	8.5	10
5	Nonporous homochiral copper-based coordination polymers for enantioselective recognition and electrocatalysis. *Inorganic Chemistry Communication*, **2014**, 40, 31-34	3.1	8
4	Size-dependent and real-time effect of SiO nanoparticles on a single living HeLa Cell's membrane permeability. *Journal of Materials Chemistry B*, **2015**, 3, 1198-1203	7.3	7
3	Novel fluorescent probes based on nitrogen□sulfur co-doped carbon dots for chromium ion detection. *New Journal of Chemistry*, **2021**, 45, 4828-4834	3.6	2
2	Novel N, F co-doped carbon dots to detect sulfide and cadmium ions with high selectivity and sensitivity based on a □urn-off-on□ mechanism. *Dyes and Pigments*, **2022**, 203, 110379	4.6	1
1	Concentrations dominated membrane permeability variation by fullerol nanoparticles on a single living HeLa cell. *Journal of Materials Chemistry B*, **2016**, 4, 5755-5760	7.3	