

# Hao Li

## List of Publications by Year in Descending Order

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

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	Novel N, F co-doped carbon dots to detect sulfide and cadmium ions with high selectivity and sensitivity based on a turn-off-on mechanism. <i>Dyes and Pigments</i> , <b>2022</b> , 203, 110379	4.6	1
51	Novel fluorescent probes based on nitrogen-sulfur co-doped carbon dots for chromium ion detection. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 4828-4834	3.6	2
50	Long-wavelength excitation of carbon dots as the probe for real-time imaging of the living-cell cycle process. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 311, 127891	8.5	10
49	Biotoxicity of degradable carbon dots towards microalgae <i>Chlorella vulgaris</i> . <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 3316-3323	7.1	15
48	Enhanced RuBisCO activity and promoted dicotyledons growth with degradable carbon dots. <i>Nano Research</i> , <b>2019</b> , 12, 1585-1593	10	42
47	Negatively Charged Carbon Nanodots with Bacteria Resistance Ability for High-Performance Antibiofilm Formation and Anticorrosion Coating Design. <i>Small</i> , <b>2019</b> , 15, e1900007	11	29
46	The design of room-temperature-phosphorescent carbon dots and their application as a security ink. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 10605-10612	7.1	51
45	Biocompatible carbon dots with low-saturation-intensity and high-photobleaching-resistance for STED nanoscopy imaging of the nucleolus and tunneling nanotubes in living cells. <i>Nano Research</i> , <b>2019</b> , 12, 3075-3084	10	35
44	Carbon dots promote the growth and photosynthesis of mung bean sprouts. <i>Carbon</i> , <b>2018</b> , 136, 94-102	10.4	107
43	Chiral evolution of carbon dots and the tuning of laccase activity. <i>Nanoscale</i> , <b>2018</b> , 10, 2333-2340	7.7	37
42	CoO and g-C <sub>3</sub> N <sub>4</sub> complement each other for highly efficient overall water splitting under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 226, 412-420	21.8	125
41	Degradable Carbon Dots with Broad-Spectrum Antibacterial Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 26936-26946	9.5	143
40	Carbon Dots Enhance the Nitrogen Fixation Activity of <i>Azotobacter Chroococcum</i> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 16308-16314	9.5	30
39	Multifunctional carbon dot for lifetime thermal sensing, nucleolus imaging and anti-algal activity. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 5708-5717	7.3	20
38	Impacts of Carbon Dots on Rice Plants: Boosting the Growth and Improving the Disease Resistance.. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 663-672	4.1	85
37	One-step hydrothermal synthesis of chiral carbon dots and their effects on mung bean plant growth. <i>Nanoscale</i> , <b>2018</b> , 10, 12734-12742	7.7	82
36	Control Strategy on Two-/Four-Electron Pathway of Water Splitting by Multidoped Carbon Based Catalysts. <i>ACS Catalysis</i> , <b>2017</b> , 7, 1637-1645	13.1	50

35	Achieving electroreduction of CO <sub>2</sub> to CH <sub>3</sub> OH with high selectivity using a pyrite/nickel sulfide nanocomposite. <i>RSC Advances</i> , <b>2017</b> , 7, 1376-1381	3.7	41
34	N,S co-doped carbon dots as a stable bio-imaging probe for detection of intracellular temperature and tetracycline. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 3293-3299	7.3	83
33	Fluorescent carbon dots with tunable negative charges for bio-imaging in bacterial viability assessment. <i>Carbon</i> , <b>2017</b> , 120, 95-102	10.4	43
32	Pyridine derivative-induced fluorescence in multifunctional modified carbon dots and their application in thermometers. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 3964-3969	7.3	15
31	Simultaneous enzymatic activity modulation and rapid determination of enzyme kinetics by highly crystalline graphite dots. <i>Nanoscale</i> , <b>2017</b> , 9, 8410-8417	7.7	10
30	Carbon Dots as Fillers Inducing Healing/Self-Healing and Anticorrosion Properties in Polymers. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701399	24	104
29	Carbon dots enhance the stability of CdS for visible-light-driven overall water splitting. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 216, 114-121	21.8	161
28	High-bright fluorescent carbon dot as versatile sensing platform. <i>Talanta</i> , <b>2017</b> , 174, 265-273	6.2	29
27	New Insight of Water-Splitting Photocatalyst: HO-Resistance Poisoning and Photothermal Deactivation in Sub-micrometer CoO Octahedrons. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20585-20593	9.5	39
26	Hydroxyl-Group-Dominated Graphite Dots Reshape Laser Desorption/Ionization Mass Spectrometry for Small Biomolecular Analysis and Imaging. <i>ACS Nano</i> , <b>2017</b> , 11, 9500-9513	16.7	59
25	A CoO-CDots-CN three component electrocatalyst design concept for efficient and tunable CO reduction to syngas. <i>Nature Communications</i> , <b>2017</b> , 8, 1828	17.4	102
24	Oxygen Containing Functional Groups Dominate the Electrochemiluminescence of Pristine Carbon Dots. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 27546-27554	3.8	21
23	Carbon dots decorated the exposing high-reactive (111) facets CoO octahedrons with enhanced photocatalytic activity and stability for tetracycline degradation under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 219, 36-44	21.8	73
22	Facile fabrication of a CoO/g-C <sub>3</sub> N <sub>4</sub> p/n heterojunction with enhanced photocatalytic activity and stability for tetracycline degradation under visible light. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 3325-3331	5.5	150
21	Fluorescent carbon dots with highly negative charges as a sensitive probe for real-time monitoring of bacterial viability. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 6008-6015	7.3	35
20	A critical study of the generality of the two step two electron pathway for water splitting by application of a C <sub>3</sub> N <sub>4</sub> /MnO <sub>2</sub> photocatalyst. <i>Nanoscale</i> , <b>2016</b> , 8, 11956-61	7.7	45
19	Concentrations dominated membrane permeability variation by fullerol nanoparticles on a single living HeLa cell. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 5755-5760	7.3	
18	Luminescent Coordination Polymers for Highly Sensitive Detection of Nitrobenzene. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 4355-4362	3.5	23

17	A practical and highly sensitive C3N4-TYR fluorescent probe for convenient detection of dopamine. <i>Nanoscale</i> , <b>2015</b> , 7, 12068-75	7.7	26
16	Fluorescent N-doped carbon dots for both cellular imaging and highly-sensitive catechol detection. <i>Carbon</i> , <b>2015</b> , 91, 66-75	10.4	122
15	Tuning laccase catalytic activity with phosphate functionalized carbon dots by visible light. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 10004-12	9.5	79
14	Fluorescent carbon dots for sensitive determination and intracellular imaging of zinc(II) ion. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 2443-2450	5.8	38
13	Visible-Light-Induced Effects of Au Nanoparticle on Laccase Catalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 20937-44	9.5	27
12	Fluorescent N-Doped Carbon Dots as in Vitro and in Vivo Nanothermometer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 27324-30	9.5	95
11	Carbon dots from PEG for highly sensitive detection of levodopa. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 2378-2387	7.3	41
10	Size-dependent and real-time effect of SiO nanoparticles on a single living HeLa Cell's membrane permeability. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 1198-1203	7.3	7
9	Highly sensitive, stable, and precise detection of dopamine with carbon dots/tyrosinase hybrid as fluorescent probe. <i>RSC Advances</i> , <b>2014</b> , 4, 46437-46443	3.7	30
8	One-step catalase controllable degradation of CN for N-doped carbon dot green fabrication and their bioimaging applications. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 5768-5774	7.3	51
7	Carbon dots for photoswitching enzyme catalytic activity. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 5652-5658	7.3	28
6	Quantitative and real-time effects of carbon quantum dots on single living HeLa cell membrane permeability. <i>Nanoscale</i> , <b>2014</b> , 6, 5116-20	7.7	55
5	Convenient and sensitive detection of norfloxacin with fluorescent carbon dots. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 7964-7970	7.3	37
4	High-bright fluorescent carbon dots and their application in selective nucleoli staining. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 5077-5082	7.3	37
3	Nonporous homochiral copper-based coordination polymers for enantioselective recognition and electrocatalysis. <i>Inorganic Chemistry Communication</i> , <b>2014</b> , 40, 31-34	3.1	8
2	Homochiral metalorganic porous materials for enantioselective recognition and electrocatalysis. <i>CrystEngComm</i> , <b>2013</b> , 15, 3288	3.3	13
1	A cobalt-based 3D porous framework with excellent catalytic ability for the selective oxidation of cis-cyclooctene. <i>Dalton Transactions</i> , <b>2013</b> , 42, 9423-7	4.3	16