

# Li Wang

## List of Publications by Year in descending order

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33  
papers

2,528  
citations

236925

25  
h-index

395702

33  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2432  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Transfer Mediated Enhancement of Room-Temperature Phosphorescence of Carbon Dots Embedded in Matrixes. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	38
2	The role of fluorescent carbon dots in crops: Mechanism and applications. <i>SmartMat</i> , 2022, 3, 208-225.	10.7	21
3	<i>Salvia Miltiorrhiza</i> -Derived Carbon Dots as Scavengers of Reactive Oxygen Species for Reducing Oxidative Damage of Plants. <i>ACS Applied Nano Materials</i> , 2021, 4, 113-120.	5.0	44
4	Visible-light excitable thermally activated delayed fluorescence in aqueous solution from F, N-doped carbon dots confined in silica nanoparticles. <i>Chemical Engineering Journal</i> , 2021, 426, 130728.	12.7	55
5	A review on the effects of carbon dots in plant systems. <i>Materials Chemistry Frontiers</i> , 2020, 4, 437-448.	5.9	139
6	Anchoring Carbon Nanodots onto Nanosilica for Phosphorescence Enhancement and Delayed Fluorescence Nascence in Solid and Liquid States. <i>Small</i> , 2020, 16, e2005228.	10.0	61
7	Promoting the Growth of Mung Bean Plants through Uptake and Light Conversion of NaYF <sub>4</sub> :Yb,Er@CDs Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9751-9762.	6.7	40
8	Temperature-responsive conversion of thermally activated delayed fluorescence and room-temperature phosphorescence of carbon dots in silica. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5744-5751.	5.5	86
9	The room temperature afterglow mechanism in carbon dots: Current state and further guidance perspective. <i>Carbon</i> , 2020, 165, 306-316.	10.3	89
10	Room temperature phosphorescence from Si-doped-CD-based composite materials with long lifetimes and high stability. <i>Optics Express</i> , 2020, 28, 19550.	3.4	9
11	Synthesis of dual-emissive carbon dots with a unique solvatochromism phenomenon. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 607-614.	9.4	66
12	Biomimetic preparation of silicon quantum dots and their phytophysiology effect on cucumber seedlings. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1107-1115.	5.8	40
13	A Universal Strategy for Activating the Multicolor Room-Temperature Afterglow of Carbon Dots in a Boric Acid Matrix. <i>Angewandte Chemie</i> , 2019, 131, 7356-7361.	2.0	62
14	A Universal Strategy for Activating the Multicolor Room-Temperature Afterglow of Carbon Dots in a Boric Acid Matrix. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7278-7283.	13.8	266
15	Construction and multifunctional applications of carbon dots/PVA nanofibers with phosphorescence and thermally activated delayed fluorescence. <i>Chemical Engineering Journal</i> , 2018, 347, 505-513.	12.7	84
16	Ultrastable red-emitting phosphor-in-glass for superior high-power artificial plant growth LEDs. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1738-1745.	5.5	95
17	Enhanced Biological Photosynthetic Efficiency Using Light-Harvesting Engineering with Dual-Emissive Carbon Dots. <i>Advanced Functional Materials</i> , 2018, 28, 1804004.	14.9	189
18	Cr <sup>3+</sup> doped ZnGa <sub>2</sub> O <sub>4</sub> far-red emission phosphor-in-glass: Toward high-power and color-stable plant growth LEDs with responds to all of phytochrome. <i>Materials Research Bulletin</i> , 2018, 108, 226-233.	5.2	47

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19	Hierarchical NiO mesocrystals with tuneable high-energy facets for pseudocapacitive charge storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6921-6927.	10.3	38
20	Room temperature phosphorescence from moisture-resistant and oxygen-barred carbon dot aggregates. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6243-6250.	5.5	91
21	A dual-emitting core-shell carbon dot-silica-phosphor composite for LED plant grow light. <i>RSC Advances</i> , 2017, 7, 16662-16667.	3.6	24
22	Pollen derived blue fluorescent carbon dots for bioimaging and monitoring of nitrogen, phosphorus and potassium uptake in <i>Brassica parachinensis</i> . <i>RSC Advances</i> , 2017, 7, 33459-33465.	3.6	39
23	Enhanced persistent properties of Mn <sup>2+</sup> activated CaZnOS. <i>RSC Advances</i> , 2017, 7, 38498-38505.	3.6	6
24	Towards efficient dual-emissive carbon dots through sulfur and nitrogen co-doped. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8014-8021.	5.5	73
25	Preparation and Properties of Carbon Dot-Grafted CaAl <sub>12</sub> O <sub>19</sub> :Mn <sup>4+</sup> Color-Tunable Hybrid Phosphor. <i>Advanced Optical Materials</i> , 2016, 4, 427-434.	7.3	42
26	A Self-Quenching-Resistant Carbon-Dot Powder with Tunable Solid-State Fluorescence and Construction of Dual-Fluorescence Morphologies for White Light Emission. <i>Advanced Materials</i> , 2016, 28, 312-318.	21.0	527
27	Luminescent carbon dots assembled SBA-15 and its oxygen sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 101-108.	7.8	24
28	Optical Energy Storage Properties of (Ca <sub>1-x</sub> Sr <sub>x</sub> ) <sub>2</sub> Si <sub>5</sub> N <sub>8</sub> :Eu <sup>2+</sup> , Tm <sup>3+</sup> Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1823-1828.	3.8	25
29	A dual-emitting core-shell carbon dot-silica-phosphor composite for white light emission. <i>Nanoscale</i> , 2015, 7, 20142-20148.	5.6	33
30	Aqueous Phase Synthesis of Highly Luminescent, Nitrogen-Doped Carbon Dots and Their Application as Bioimaging Agents. <i>Langmuir</i> , 2014, 30, 14270-14275.	3.5	111
31	Red persistent and photo-stimulated luminescence properties of SrCaSi <sub>5</sub> N <sub>8</sub> : Eu <sup>2+</sup> , Tm <sup>3+</sup> solid solution. <i>Optical Materials</i> , 2014, 36, 1855-1858.	3.6	18
32	Simple Additive-Free Method to Manganese Monoxide Mesocrystals and Their Template Application for the Synthesis of Carbon and Graphitic Hollow Octahedrons. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 12561-12570.	8.0	10
33	Synthesis and characterization of Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> , Mg <sup>2+</sup> , Ti <sup>4+</sup> hollow nanospheres via a template-free route. <i>Journal of Alloys and Compounds</i> , 2012, 542, 207-212.	5.5	36