

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	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
2	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
3	Enhanced Biological Photosynthetic Efficiency Using Light-Harvesting Engineering with Dual-Emissive Carbon Dots. <i>Advanced Functional Materials</i> , 2018, 28, 1804004.	14.9	189
4	A review on the effects of carbon dots in plant systems. <i>Materials Chemistry Frontiers</i> , 2020, 4, 437-448.	5.9	139
5	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
6	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
7	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
8	The room temperature afterglow mechanism in carbon dots: Current state and further guidance perspective. <i>Carbon</i> , 2020, 165, 306-316.	10.3	89
9	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
10	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
11	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
12	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
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	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
15	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
16	Cr ³⁺ doped ZnGa ₂ O ₄ 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
17	<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
18	Preparation and Properties of Carbon Dot-Grafted CaAl ₁₂ O ₁₉ :Mn ⁴⁺ Color-Tunable Hybrid Phosphor. <i>Advanced Optical Materials</i> , 2016, 4, 427-434.	7.3	42

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19	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
20	Promoting the Growth of Mung Bean Plants through Uptake and Light Conversion of NaYF ₄ :Yb,Er@CDs Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9751-9762.	6.7	40
21	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
22	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
23	Energy Transfer Mediated Enhancement of Room-Temperature Phosphorescence of Carbon Dots Embedded in Matrixes. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	38
24	Synthesis and characterization of Y ₂ O ₃ :Eu ³⁺ , Mg ²⁺ , Ti ⁴⁺ hollow nanospheres via a template-free route. <i>Journal of Alloys and Compounds</i> , 2012, 542, 207-212.	5.5	36
25	A dual-emitting core-shell carbon dot-silica-phosphor composite for white light emission. <i>Nanoscale</i> , 2015, 7, 20142-20148.	5.6	33
26	Optical Energy Storage Properties of (Ca _{1-x} Sr _x) ₂ Si ₅ N ₈ :Eu ²⁺ , Tm ³⁺ Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1823-1828.	3.8	25
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	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
29	The role of fluorescent carbon dots in crops: Mechanism and applications. <i>SmartMat</i> , 2022, 3, 208-225.	10.7	21
30	Red persistent and photo-stimulated luminescence properties of SrCaSi ₅ N ₈ : Eu ²⁺ , Tm ³⁺ solid solution. <i>Optical Materials</i> , 2014, 36, 1855-1858.	3.6	18
31	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 & Interfaces</i> , 2013, 5, 12561-12570.	8.0	10
32	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
33	Enhanced persistent properties of Mn ²⁺ activated CaZnOS. <i>RSC Advances</i> , 2017, 7, 38498-38505.	3.6	6