

Libin Tang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

3,904
citations

361045

20
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

5931
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Ultraviolet Photoluminescence of Water-Soluble Self-Passivated Graphene Quantum Dots. ACS Nano, 2012, 6, 5102-5110.	7.3	1,526
2	Deep Ultraviolet to Near-Infrared Emission and Photoresponse in Layered N-Doped Graphene Quantum Dots. ACS Nano, 2014, 8, 6312-6320.	7.3	455
3	Energy-level structure of nitrogen-doped graphene quantum dots. Journal of Materials Chemistry C, 2013, 1, 4908.	2.7	277
4	Sulphur doping: a facile approach to tune the electronic structure and optical properties of graphene quantum dots. Nanoscale, 2014, 6, 5323-5328.	2.8	267
5	Bottom-up synthesis of large-scale graphene oxide nanosheets. Journal of Materials Chemistry, 2012, 22, 5676.	6.7	242
6	Size-Dependent Structural and Optical Characteristics of Glucose-Derived Graphene Quantum Dots. Particle and Particle Systems Characterization, 2013, 30, 523-531.	1.2	175
7	Multicolour light emission from chlorine-doped graphene quantum dots. Journal of Materials Chemistry C, 2013, 1, 7308.	2.7	157
8	Efficiency Enhancement of Silicon Heterojunction Solar Cells via Photon Management Using Graphene Quantum Dot as Downconverters. Nano Letters, 2016, 16, 309-313.	4.5	115
9	Highly impermeable and transparent graphene as an ultra-thin protection barrier for Ag thin films. Journal of Materials Chemistry C, 2013, 1, 4956.	2.7	85
10	Si Hybrid Solar Cells with 13% Efficiency via Concurrent Improvement in Optical and Electrical Properties by Employing Graphene Quantum Dots. ACS Nano, 2016, 10, 815-821.	7.3	76
11	Hybrid Bulk-Heterojunction of Colloidal Quantum Dots and Mixed-Halide Perovskite Nanocrystals for High-Performance Self-Powered Broadband Photodetectors. Advanced Functional Materials, 2022, 32, .	7.8	69
12	Chlorine doped graphene quantum dots: Preparation, properties, and photovoltaic detectors. Applied Physics Letters, 2014, 105, .	1.5	67
13	Photoresponse of polyaniline-functionalized graphene quantum dots. Nanoscale, 2015, 7, 5338-5343.	2.8	60
14	Fabrication and properties of a high-performance chlorine doped graphene quantum dot based photovoltaic detector. RSC Advances, 2015, 5, 29222-29229.	1.7	56
15	Size and Dopant Dependent Single Particle Fluorescence Properties of Graphene Quantum Dots. Journal of Physical Chemistry C, 2015, 119, 17988-17994.	1.5	49
16	Omnidirectional Harvesting of Weak Light Using a Graphene Quantum Dot-Modified Organic/Silicon Hybrid Device. ACS Nano, 2017, 11, 4564-4570.	7.3	41
17	A deep ultraviolet to near-infrared photoresponse from glucose-derived graphene oxide. Journal of Materials Chemistry C, 2014, 2, 6971-6977.	2.7	40
18	Facile preparation of sulphur-doped graphene quantum dots for ultra-high performance ultraviolet photodetectors. New Journal of Chemistry, 2017, 41, 10447-10451.	1.4	36

#	ARTICLE	IF	CITATIONS
19	Solution-Processed, Self-Powered Broadband $\text{CH}_3\text{NH}_3\text{PbI}_3$ Photodetectors Driven by Asymmetric Electrodes. <i>Advanced Optical Materials</i> , 2020, 8, 2000215.	3.6	32
20	Ultraviolet electroluminescence from two-dimensional ZnO nanomesh/GaN heterojunction light emitting diodes. <i>Applied Physics Letters</i> , 2011, 98, 263101.	1.5	27
21	Hybrid Nanocomposites of All-Inorganic Halide Perovskites with Polymers for High-Performance Field-Effect-Transistor-Based Photodetectors: An Experimental and Simulation Study. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	19
22	High performance broadband photodetectors based on Sb_2Te_3 /n-Si heterostructure. <i>Nanotechnology</i> , 2020, 31, 304002.	1.3	16
23	Solution-processable graphene oxide as an insulator layer for metal-insulator-semiconductor silicon solar cells. <i>RSC Advances</i> , 2013, 3, 17918.	1.7	13
24	Broadband photodetector based on SnTe nanofilm/n-Ge heterostructure. <i>Nanotechnology</i> , 2022, 33, 425203.	1.3	4
25	Preparation of Si quantum dots by phase transition with controlled annealing. <i>Nanotechnology</i> , 2021, 32, 415205.	1.3	0