Libin Tang

List of Publications by Citations

23 papers	3,184 citations	19 h-index	25 g-index
25 ext. papers	3,517 ext. citations	7.6 avg, IF	4.83 L-index

#	Paper	IF	Citations
23	Deep ultraviolet photoluminescence of water-soluble self-passivated graphene quantum dots. *ACS Nano*, **2012**, 6, 5102-10	16.7	1323
22	Deep ultraviolet to near-infrared emission and photoresponse in layered N-doped graphene quantum dots. *ACS Nano*, **2014**, 8, 6312-20	16.7	384
21	Energy-level structure of nitrogen-doped graphene quantum dots. *Journal of Materials Chemistry C*, **2013**, 1, 4908	7.1	222
20	Sulphur doping: a facile approach to tune the electronic structure and optical properties of graphene quantum dots. *Nanoscale*, **2014**, 6, 5323-8	7.7	221
19	Bottom-up synthesis of large-scale graphene oxide nanosheets. *Journal of Materials Chemistry*, **2012**, 22, 5676		193
18	Size-Dependent Structural and Optical Characteristics of Glucose-Derived Graphene Quantum Dots. *Particle and Particle Systems Characterization*, **2013**, 30, 523-531	3.1	136
17	Multicolour light emission from chlorine-doped graphene quantum dots. *Journal of Materials Chemistry C*, **2013**, 1, 7308	7.1	129
16	Efficiency Enhancement of Silicon Heterojunction Solar Cells via Photon Management Using Graphene Quantum Dot as Downconverters. *Nano Letters*, **2016**, 16, 309-13	11.5	99
15	Si Hybrid Solar Cells with 13% Efficiency via Concurrent Improvement in Optical and Electrical Properties by Employing Graphene Quantum Dots. *ACS Nano*, **2016**, 10, 815-21	16.7	68
14	Highly impermeable and transparent graphene as an ultra-thin protection barrier for Ag thin films. *Journal of Materials Chemistry C*, **2013**, 1, 4956	7.1	68
13	Chlorine doped graphene quantum dots: Preparation, properties, and photovoltaic detectors. *Applied Physics Letters*, **2014**, 105, 111116	3.4	51
12	Photoresponse of polyaniline-functionalized graphene quantum dots. *Nanoscale*, **2015**, 7, 5338-43	7.7	46
11	Fabrication and properties of a high-performance chlorine doped graphene quantum dot based photovoltaic detector. *RSC Advances*, **2015**, 5, 29222-29229	3.7	44
10	Size and Dopant Dependent Single Particle Fluorescence Properties of Graphene Quantum Dots. *Journal of Physical Chemistry C*, **2015**, 119, 17988-17994	3.8	35
9	A deep ultraviolet to near-infrared photoresponse from glucose-derived graphene oxide. *Journal of Materials Chemistry C*, **2014**, 2, 6971-6977	7.1	34
8	Omnidirectional Harvesting of Weak Light Using a Graphene Quantum Dot-Modified Organic/Silicon Hybrid Device. *ACS Nano*, **2017**, 11, 4564-4570	16.7	32
7	Facile preparation of sulphur-doped graphene quantum dots for ultra-high performance ultraviolet photodetectors. *New Journal of Chemistry*, **2017**, 41, 10447-10451	3.6	26

List of Publications

6	Ultraviolet electroluminescence from two-dimensional ZnO nanomesh/GaN heterojunction light emitting diodes. *Applied Physics Letters*, **2011**, 98, 263101	3.4	26
5	Solution-Processed, Self-Powered Broadband CH3NH3PbI3 Photodetectors Driven by Asymmetric Electrodes. *Advanced Optical Materials*, **2020**, 8, 2000215	8.1	19
4	Solution-processable graphene oxide as an insulator layer for metal–insulator–semiconductor silicon solar cells. *RSC Advances*, **2013**, 3, 17918	3.7	12
3	Hybrid Bulk-Heterojunction of Colloidal Quantum Dots and Mixed-Halide Perovskite Nanocrystals for High-Performance Self-Powered Broadband Photodetectors. *Advanced Functional Materials*,2201527	15.6	10
2	High performance broadband photodetectors based on SbTe/n-Si heterostructure. *Nanotechnology* , **2020**, 31, 304002	3.4	4
1	Hybrid Nanocomposites of All-Inorganic Halide Perovskites with Polymers for High-Performance Field-Effect-Transistor-Based Photodetectors: An Experimental and Simulation Study. *Advanced Materials Interfaces*,2200017	4.6	2