

Libin Tang

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.

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 | Solution-Processed, Self-Powered Broadband CH ₃ NH ₃ PbI ₃ Photodetectors Driven by Asymmetric Electrodes. <i>Advanced Optical Materials</i> , 2020 , 8, 2000215 | 8.1 | 19 |
| 22 | High performance broadband photodetectors based on SbTe/n-Si heterostructure. <i>Nanotechnology</i> , 2020 , 31, 304002 | 3.4 | 4 |
| 21 | Omnidirectional Harvesting of Weak Light Using a Graphene Quantum Dot-Modified Organic/Silicon Hybrid Device. <i>ACS Nano</i> , 2017 , 11, 4564-4570 | 16.7 | 32 |
| 20 | Facile preparation of sulphur-doped graphene quantum dots for ultra-high performance ultraviolet photodetectors. <i>New Journal of Chemistry</i> , 2017 , 41, 10447-10451 | 3.6 | 26 |
| 19 | Si Hybrid Solar Cells with 13% Efficiency via Concurrent Improvement in Optical and Electrical Properties by Employing Graphene Quantum Dots. <i>ACS Nano</i> , 2016 , 10, 815-21 | 16.7 | 68 |
| 18 | Efficiency Enhancement of Silicon Heterojunction Solar Cells via Photon Management Using Graphene Quantum Dot as Downconverters. <i>Nano Letters</i> , 2016 , 16, 309-13 | 11.5 | 99 |
| 17 | Size and Dopant Dependent Single Particle Fluorescence Properties of Graphene Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 17988-17994 | 3.8 | 35 |
| 16 | Fabrication and properties of a high-performance chlorine doped graphene quantum dot based photovoltaic detector. <i>RSC Advances</i> , 2015 , 5, 29222-29229 | 3.7 | 44 |
| 15 | Photoresponse of polyaniline-functionalized graphene quantum dots. <i>Nanoscale</i> , 2015 , 7, 5338-43 | 7.7 | 46 |
| 14 | Deep ultraviolet to near-infrared emission and photoresponse in layered N-doped graphene quantum dots. <i>ACS Nano</i> , 2014 , 8, 6312-20 | 16.7 | 384 |
| 13 | A deep ultraviolet to near-infrared photoresponse from glucose-derived graphene oxide. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6971-6977 | 7.1 | 34 |
| 12 | Chlorine doped graphene quantum dots: Preparation, properties, and photovoltaic detectors. <i>Applied Physics Letters</i> , 2014 , 105, 111116 | 3.4 | 51 |
| 11 | Sulphur doping: a facile approach to tune the electronic structure and optical properties of graphene quantum dots. <i>Nanoscale</i> , 2014 , 6, 5323-8 | 7.7 | 221 |
| 10 | Solution-processable graphene oxide as an insulator layer for metal/insulator/semiconductor silicon solar cells. <i>RSC Advances</i> , 2013 , 3, 17918 | 3.7 | 12 |
| 9 | Size-Dependent Structural and Optical Characteristics of Glucose-Derived Graphene Quantum Dots. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 523-531 | 3.1 | 136 |
| 8 | Energy-level structure of nitrogen-doped graphene quantum dots. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4908 | 7.1 | 222 |
| 7 | Multicolour light emission from chlorine-doped graphene quantum dots. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 7308 | 7.1 | 129 |

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| 6 | Highly impermeable and transparent graphene as an ultra-thin protection barrier for Ag thin films. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4956 | 7.1 | 68 |
| 5 | Bottom-up synthesis of large-scale graphene oxide nanosheets. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5676 | | 193 |
| 4 | Deep ultraviolet photoluminescence of water-soluble self-passivated graphene quantum dots. <i>ACS Nano</i> , 2012 , 6, 5102-10 | 16.7 | 1323 |
| 3 | Ultraviolet electroluminescence from two-dimensional ZnO nanomesh/GaN heterojunction light emitting diodes. <i>Applied Physics Letters</i> , 2011 , 98, 263101 | 3.4 | 26 |
| 2 | Hybrid Bulk-Heterojunction of Colloidal Quantum Dots and Mixed-Halide Perovskite Nanocrystals for High-Performance Self-Powered Broadband Photodetectors. <i>Advanced Functional Materials</i> , 2201527 ^{15.6} | | 10 |
| 1 | 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> , 2200017 | 4.6 | 2 |