Lei Qian

List of Publications by Year
in descending order

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17 papers	3,615 citations	759233 12 h-index	888059 17 g-index
18 all docs	18 docs citations	18 times ranked	4668 citing authors

#	Article	IF	Citations
1	Stable and efficient quantum-dot light-emitting diodes based on solution-processed multilayer structures. Nature Photonics, 2011, 5, 543-548.	31.4	1,007
2	Quantum Dots and Their Multimodal Applications: A Review. Materials, 2010, 3, 2260-2345.	2.9	986
3	High-efficiency light-emitting devices based on quantum dots with tailored nanostructures. Nature Photonics, 2015, 9, 259-266.	31.4	886
4	Highly stable QLEDs with improved hole injection via quantum dot structure tailoring. Nature Communications, 2018, 9, 2608.	12.8	268
5	Efficient All-Solution Processed Quantum Dot Light Emitting Diodes Based on Inkjet Printing Technique. ACS Applied Materials & Interfaces, 2017, 9, 25506-25512.	8.0	155
6	Ultrahigh-resolution quantum-dot light-emitting diodes. Nature Photonics, 2022, 16, 297-303.	31.4	97
7	Hybrid polymer-CdSe solar cells with a ZnO nanoparticle buffer layer for improved efficiency and lifetime. Journal of Materials Chemistry, 2011, 21, 3814.	6.7	94
8	White light emission from single layer poly (n-vinylcarbazole) polymeric light-emitting devices by mixing singlet and triplet excimer emissions. Journal of Chemical Physics, 2007, 127, 244707.	3.0	24
9	Temporal evolution of white light emission from CdSe quantum dots. Nanotechnology, 2008, 19, 285702.	2.6	17
10	Hybrid polymer:colloidal nanoparticle photovoltaic cells incorporating a solution-processed, multi-functioned ZnO nanocrystal layer. Journal of Applied Physics, 2012, 111, 044323.	2.5	17
11	Charge Balance in Red QLEDs for High Efficiency and Stability via Ionic Liquid Doping. Advanced Functional Materials, 2022, 32, .	14.9	17
12	Optimization of the Yellow Phosphor Concentration and Layer Thickness for Down-Conversion of Blue to White Light. Journal of Display Technology, 2010, 6, 645-651.	1.2	12
13	Highly Foldable Perovskite Solar Cells Using Embedded Polyimide/Silver Nanowires Conductive Substrates. Advanced Materials Interfaces, 2022, 9, .	3.7	12
14	Realization of Highly Foldable Conductive Substrates with 2000 Cyclic Mechanical Stability through Silver Nanowires/Cellulose Structure Design. ACS Applied Electronic Materials, 2021, 3, 2372-2379.	4.3	8
15	On the accurate characterization of quantum-dot light-emitting diodes for display applications. Npj Flexible Electronics, 2022, 6, .	10.7	8
16	High-Efficiency Flexible Organic Photovoltaics and Thermoelectricities Based on Thionyl Chloride Treated PEDOT:PSS Electrodes. Frontiers in Chemistry, 2021, 9, 807538.	3.6	3
17	Foldable solar cells: Structure design and flexible materials. Nano Select, 2021, 2, 865-879.	3.7	1