

Lei Qian

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

3,615
citations

858243

12
h-index

993246

17
g-index

18
all docs

18
docs citations

18
times ranked

5409
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable and efficient quantum-dot light-emitting diodes based on solution-processed multilayer structures. <i>Nature Photonics</i> , 2011, 5, 543-548.	15.6	1,007
2	Quantum Dots and Their Multimodal Applications: A Review. <i>Materials</i> , 2010, 3, 2260-2345.	1.3	986
3	High-efficiency light-emitting devices based on quantum dots with tailored nanostructures. <i>Nature Photonics</i> , 2015, 9, 259-266.	15.6	886
4	Highly stable QLEDs with improved hole injection via quantum dot structure tailoring. <i>Nature Communications</i> , 2018, 9, 2608.	5.8	268
5	Efficient All-Solution Processed Quantum Dot Light Emitting Diodes Based on Inkjet Printing Technique. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25506-25512.	4.0	155
6	Ultrahigh-resolution quantum-dot light-emitting diodes. <i>Nature Photonics</i> , 2022, 16, 297-303.	15.6	97
7	Hybrid polymer-CdSe solar cells with a ZnO nanoparticle buffer layer for improved efficiency and lifetime. <i>Journal of Materials Chemistry</i> , 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. <i>Journal of Chemical Physics</i> , 2007, 127, 244707.	1.2	24
9	Temporal evolution of white light emission from CdSe quantum dots. <i>Nanotechnology</i> , 2008, 19, 285702.	1.3	17
10	Hybrid polymer:colloidal nanoparticle photovoltaic cells incorporating a solution-processed, multi-functional ZnO nanocrystal layer. <i>Journal of Applied Physics</i> , 2012, 111, 044323.	1.1	17
11	Charge Balance in Red QLEDs for High Efficiency and Stability via Ionic Liquid Doping. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	17
12	Optimization of the Yellow Phosphor Concentration and Layer Thickness for Down-Conversion of Blue to White Light. <i>Journal of Display Technology</i> , 2010, 6, 645-651.	1.3	12
13	Highly Foldable Perovskite Solar Cells Using Embedded Polyimide/Silver Nanowires Conductive Substrates. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	12
14	Realization of Highly Foldable Conductive Substrates with 2000 Cyclic Mechanical Stability through Silver Nanowires/Cellulose Structure Design. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2372-2379.	2.0	8
15	On the accurate characterization of quantum-dot light-emitting diodes for display applications. <i>Npj Flexible Electronics</i> , 2022, 6, .	5.1	8
16	High-Efficiency Flexible Organic Photovoltaics and Thermoelectricities Based on Thionyl Chloride Treated PEDOT:PSS Electrodes. <i>Frontiers in Chemistry</i> , 2021, 9, 807538.	1.8	3
17	Foldable solar cells: Structure design and flexible materials. <i>Nano Select</i> , 2021, 2, 865-879.	1.9	1