Guozheng Shi

List of Publications by Year
in descending order

21 papers	1,422 citations	471509 17 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	2202 citing authors

#	Article	IF	Citations
1	Perovskite bridging PbS quantum dot/polymer interface enables efficient solar cells. Nano Research, 2022, 15, 6121-6127.	10.4	11
2	Toward printable solar cells based on PbX colloidal quantum dot inks. Nanoscale Horizons, 2021, 6, 8-23.	8.0	29
3	The Impact of Precursor Ratio on the Synthetic Production, Surface Chemistry, and Photovoltaic Performance of CsPbI₃ Perovskite Quantum Dots. Solar Rrl, 2021, 5, 2100090.	5.8	17
4	The effect of water on colloidal quantum dot solar cells. Nature Communications, 2021, 12, 4381.	12.8	44
5	Matrix Manipulation of Directlyâ€Synthesized PbS Quantum Dot Inks Enabled by Coordination Engineering. Advanced Functional Materials, 2021, 31, 2104457.	14.9	24
6	Tuning the Surface-Passivating Ligand Anchoring Position Enables Phase Robustness in CsPbI₃ Perovskite Quantum Dot Solar Cells. ACS Energy Letters, 2020, 5, 3322-3329.	17.4	89
7	PbSe Quantum Dot Solar Cells Based on Directly Synthesized Semiconductive Inks. ACS Energy Letters, 2020, 5, 3797-3803.	17.4	34
8	Packing State Management to Realize Dense and Semiconducting Lead Sulfide Nanocrystals Film via a Single-Step Deposition. Cell Reports Physical Science, 2020, 1, 100183.	5.6	11
9	Magnetron Sputtered SnO₂ Constituting Double Electron Transport Layers for Efficient PbS Quantum Dot Solar Cells. Solar Rrl, 2020, 4, 2000218.	5.8	12
10	14.1% CsPbI₃ Perovskite Quantum Dot Solar Cells via Cesium Cation Passivation. Advanced Energy Materials, 2019, 9, 1900721.	19.5	254
11	Finely Interpenetrating Bulk Heterojunction Structure for Lead Sulfide Colloidal Quantum Dot Solar Cells by Convective Assembly. ACS Energy Letters, 2019, 4, 960-967.	17.4	30
12	Highâ€Efficiency PbS Quantumâ€Dot Solar Cells with Greatly Simplified Fabrication Processing via â€œSolventâ€Curingâ€. Advanced Materials, 2018, 30, e1707572.	21.0	139
13	In Situ Passivation for Efficient PbS Quantum Dot Solar Cells by Precursor Engineering. Advanced Materials, 2018, 30, e1704871.	21.0	125
14	Broadband Enhancement of PbS Quantum Dot Solar Cells by the Synergistic Effect of Plasmonic Gold Nanobipyramids and Nanospheres. Advanced Energy Materials, 2018, 8, 1701194.	19.5	56
15	Engineering the morphology <i>via</i> processing additives in multiple all-polymer solar cells for improved performance. Journal of Materials Chemistry A, 2018, 6, 10421-10432.	10.3	65
16	Stable and Highly Efficient PbS Quantum Dot Tandem Solar Cells Employing a Rationally Designed Recombination Layer. Advanced Energy Materials, 2017, 7, 1602667.	19.5	55
17	Room-Temperature Processed Nb₂O₅ as the Electron-Transporting Layer for Efficient Planar Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 23181-23188.	8.0	120
18	Photovoltaic Devices Based on Colloidal PbX Quantum Dots: Progress and Prospects. Solar Rrl, 2017, 1, 1600021.	5.8	39

#	Article	IF	Citations
19	Efficient PbS quantum dot solar cells employing a conventional structure. Journal of Materials Chemistry A, 2017, 5, 23960-23966.	10.3	104
20	Improved Allâ€Polymer Solar Cell Performance by Using Matched Polymer Acceptor. Advanced Functional Materials, 2016, 26, 5669-5678.	14.9	107
21	High efficiency all-polymer tandem solar cells. Scientific Reports, 2016, 6, 26459.	3.3	57