Farzaneh Arabpour Roghabadi

List of Publications by Year
in descending order

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21	347	932766 10	839053 18
papers	citations	h-index	g-index

21	21	21	572
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stability improvement of MAPbI3-based perovskite solar cells using a photoactive solid-solid phase change material. Journal of Alloys and Compounds, 2022, 897, 163142.	2.8	8
2	Enhancing the efficiency and stability of perovskite solar cells based on moisture-resistant dopant free hole transport materials by using a 2D-BA₂PbI₄ interfacial layer. Physical Chemistry Chemical Physics, 2022, 24, 1675-1684.	1.3	5
3	Stability improvement of perovskite solar cell using photoswitchable and moisture resistant dual-function interfacial layer. Journal of Alloys and Compounds, 2022, 903, 163891.	2.8	14
4	Internal Referencing Photoluminescence Probes for Simultaneous Sensing of O₂ Gas and Temperature Based on Mn:MAPb(Br/Cl)₃ Perovskite. Advanced Photonics Research, 2022, 3, .	1.7	3
5	Highly Efficient Solar Steam Generators Based on Multicore@Shell Nanostructured Aerogels of Carbon and Silica as the Light Absorberâ^'Heat Insulator. Solar Rrl, 2021, 5, 2100048.	3.1	11
6	Materials and structures engineering of sun-light absorbers for efficient direct solar steam generation. Solar Energy, 2021, 225, 747-772.	2.9	18
7	Charge transfer balancing of planar perovskite solar cell based on a low cost and facile solution-processed CuOx as an efficient hole transporting layer. Journal of Materials Science: Materials in Electronics, 2021, 32, 2312-2325.	1.1	7
8	The Future of Hybrid and Inorganic Perovskite Materials: Technology Forecasting. Energy Technology, 2021, 9, 2100376.	1.8	2
9	Durable Perovskite UV Sensor Based on Engineered Size-Tunable Polydimethylsiloxane Microparticles Using a Facile Capillary Microfluidic Device from a High-Viscosity Precursor. ACS Omega, 2020, 5, 1052-1061.	1.6	8
10	Facile synthesis of durable perovskite quantum dots film with near unity photoluminescence quantum yield for efficient perovskite light emitting diode. Applied Surface Science, 2020, 510, 145513.	3.1	13
11	High-Brightness Perovskite Light-Emitting Diodes Using a Printable Silver Microflake Contact. ACS Applied Materials & Interfaces, 2020, 12, 11428-11437.	4.0	11
12	Prolonged Lifetime of Perovskite Solar Cells Using a Moisture-Blocked and Temperature-Controlled Encapsulation System Comprising a Phase Change Material as a Cooling Agent. ACS Omega, 2020, 5, 7106-7114.	1.6	29
13	Efficient LED Light Converter based on Perovskite Nanocrystals for Visible Light Communication. , 2020, , .		1
14	Organic-Inorganic Hybrid Perovskite as an Efficient Light Convertor for Visible Light Communication. , 2019, , .		3
15	High Power UV-Light Irradiation as a New Method for Defect Passivation in Degraded Perovskite Solar Cells to Recover and Enhance the Performance. Scientific Reports, 2019, 9, 9448.	1.6	21
16	Stability progress of perovskite solar cells dependent on the crystalline structure: From 3D ABX₃ to 2D Ruddlesdenâ€“Popper perovskite absorbers. Journal of Materials Chemistry A, 2019, 7, 5898-5933.	5.2	102
17	Interfacial defect passivation in CH3NH3PbI3 perovskite solar cells using modifying of hole transport layer. Journal of Materials Science: Materials in Electronics, 2019, 30, 6936-6946.	1.1	12
18	Bulk heterojunction polymer solar cell and perovskite solar cell: Concepts, materials, current status, and opto-electronic properties. Solar Energy, 2018, 173, 407-424.	2.9	56

#	Article	IF	Citations
19	Enhancing Lifetime and Efficiency of Organic Solar Cell by Applying an In Situ Synthesized Lowâ€Crystalline ZnO Layer. ChemSusChem, 2017, 10, 2352-2359.	3.6	7
20	Organicâ€“Inorganic Halide Perovskite Formation: In Situ Dissociation of Cation Halide and Metal Halide Complexes during Crystal Formation. Journal of Physical Chemistry C, 2017, 121, 13532-13538.	1.5	16
21	Chemorheological behavior of Î²-SiAlON aqueous suspensions in gelcasting process. Polymer Engineering and Science, 2013, 53, n/a-n/a.	1.5	0