Aleksandra Boldyreva

List of Publications by Year
in descending order

13	270	1163117 8	1125743 13
papers	citations	h-index	g-index

13	13	13	505
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spectacular Enhancement of the Thermal and Photochemical Stability of MAPbI3 Perovskite Films Using Functionalized Tetraazaadamantane as a Molecular Modifier. Energies, 2021, 14, 669.	3.1	7
2	Understanding the interplay between the crystal structure and charge transport in alloyed lead-free perovskites. Sustainable Energy and Fuels, 2021, 5, 5454-5460.	4.9	1
3	Influence of hydrazinium iodide on the intrinsic photostability of MAPbI3 thin films and solar cells. Journal of Materials Research, 2021, 36, 1846-1854.	2.6	1
4	Reactive modification of zinc oxide with methylammonium iodide boosts the operational stability of perovskite solar cells. Nano Energy, 2021, 83, 105774.	16.0	22
5	Influence of pyridine-based ligands on photostability of MAPbI3 thin films. Mendeleev Communications, 2021, 31, 319-322.	1.6	3
6	Influence of pyridine-based ligands on photostability of MAPbI3 thin films. Mendeleev Communications, 2021, 31, 319-322.	1.6	1
7	Decoupling Contributions of Chargeâ€Transport Interlayers to Lightâ€Induced Degradation of pâ€iâ€n Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000191.	5.8	18
8	Incorporation of Vanadium(V) Oxide in Hybrid Hole Transport Layer Enables Long-term Operational Stability of Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2020, 11, 5563-5568.	4.6	28
9	Unravelling the Material Composition Effects on the Gamma Ray Stability of Lead Halide Perovskite Solar Cells: MAPbI₃ Breaks the Records. Journal of Physical Chemistry Letters, 2020, 11, 2630-2636.	4.6	35
10	Unraveling the Impact of Hole Transport Materials on Photostability of Perovskite Films and pâ€“iâ€“n Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 19161-19173.	8.0	35
11	Impact of charge transport layers on the photochemical stability of MAPbI₃ in thin films and perovskite solar cells. Sustainable Energy and Fuels, 2019, 3, 2705-2716.	4.9	22
12	Î³-Ray-Induced Degradation in the Triple-Cation Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2019, 10, 813-818.	4.6	38
13	Hydrazinium-assisted stabilisation of methylammonium tin iodide for lead-free perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 21389-21395.	10.3	59