

# Aleksandra Boldyreva

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

270  
citations

1163117

8  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

505  
citing authors

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