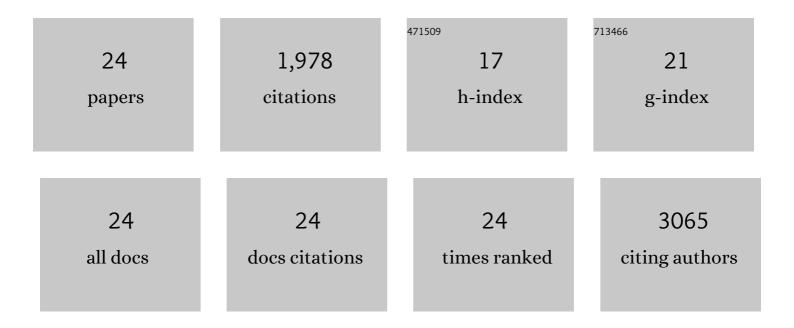
Dounya Barrit

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Stable Highâ€Performance Perovskite Solar Cells via Grain Boundary Passivation. Advanced Materials, 2018, 30, e1706576.	21.0	665
2	High performance ambient-air-stable FAPbI ₃ perovskite solar cells with molecule-passivated Ruddlesden–Popper/3D heterostructured film. Energy and Environmental Science, 2018, 11, 3358-3366.	30.8	196
3	Dynamical Transformation of Two-Dimensional Perovskites with Alternating Cations in the Interlayer Space for High-Performance Photovoltaics. Journal of the American Chemical Society, 2019, 141, 2684-2694.	13.7	189
4	Interfacial Engineering at the 2D/3D Heterojunction for High-Performance Perovskite Solar Cells. Nano Letters, 2019, 19, 7181-7190.	9.1	163
5	Multi-cation Synergy Suppresses Phase Segregation in Mixed-Halide Perovskites. Joule, 2019, 3, 1746-1764.	24.0	159
6	Scalable Ambient Fabrication of High-Performance CsPbI2Br Solar Cells. Joule, 2019, 3, 2485-2502.	24.0	124
7	Kinetic Stabilization of the Sol–Gel State in Perovskites Enables Facile Processing of Highâ€Efficiency Solar Cells. Advanced Materials, 2019, 31, e1808357.	21.0	76
8	Ambient blade coating of mixed cation, mixed halide perovskites without dripping: <i>in situ</i> in situinvestigation and highly efficient solar cells. Journal of Materials Chemistry A, 2020, 8, 1095-1104.	10.3	68
9	Improved Morphology and Efficiency of n–i–p Planar Perovskite Solar Cells by Processing with Glycol Ether Additives. ACS Energy Letters, 2017, 2, 1960-1968.	17.4	47
10	Impact of the Solvation State of Lead Iodide on Its Two‧tep Conversion to MAPbI ₃ : An In Situ Investigation. Advanced Functional Materials, 2019, 29, 1807544.	14.9	45
11	Bismuthâ€Based Perovskiteâ€Inspired Solar Cells: In Situ Diagnostics Reveal Similarities and Differences in the Film Formation of Bismuth―and Leadâ€Based Films. Solar Rrl, 2019, 3, 1800305.	5.8	41
12	Roomâ€Temperature Partial Conversion of αâ€FAPbI ₃ Perovskite Phase via PbI ₂ Solvation Enables Highâ€Performance Solar Cells. Advanced Functional Materials, 2020, 30, 1907442.	14.9	41
13	Wide and Tunable Bandgap MAPbBr _{3â^'<i>x</i>} Cl _{<i>x</i>} Hybrid Perovskites with Enhanced Phase Stability: In Situ Investigation and Photovoltaic Devices. Solar Rrl, 2021, 5, 2000718.	5.8	32
14	<i>In situ</i> study of the film formation mechanism of organic–inorganic hybrid perovskite solar cells: controlling the solvate phase using an additive system. Journal of Materials Chemistry A, 2020, 8, 7695-7703.	10.3	29
15	Hybrid perovskite solar cells: <i>In situ</i> investigation of solution-processed PbI ₂ reveals metastable precursors and a pathway to producing porous thin films. Journal of Materials Research, 2017, 32, 1899-1907.	2.6	26
16	Efficient Hybrid Mixedâ€lon Perovskite Photovoltaics: In Situ Diagnostics of the Roles of Cesium and Potassium Alkali Cation Addition. Solar Rrl, 2020, 4, 2000272.	5.8	19
17	Perovskite Solar Cells toward Eco-Friendly Printing. Research, 2021, 2021, 9671892.	5.7	18
18	Sequential Formation of Tunableâ€Bandgap Mixedâ€Halide Leadâ€Based Perovskites: In Situ Investigation and Photovoltaic Devices. Solar Rrl, 2021, 5, .	5.8	15

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#	Article	IF	CITATIONS
19	Impact of Residual Lead Iodide on Photophysical Properties of Lead Triiodide Perovskite Solar Cells. Energy Technology, 2020, 8, 1900627.	3.8	10
20	Mini-review on all-inorganic lead-based perovskite solar cells: challenges and opportunities for production and upscaling. Emergent Materials, 2022, 5, 207-225.	5.7	6
21	Processing of Lead Halide Perovskite Thin Films Studied with In-Situ Real-Time X-ray Scattering. ACS Applied Materials & Interfaces, 2022, 14, 26315-26326.	8.0	5
22	Ralos car: Solar powered car with a hybrid backup system. , 2012, , .		3
23	In Situ Investigation and Photovoltaic Devices: Sequential Formation of Tunable-Bandgap Mixed-Halide Lead-based Perovskites. , 0, , .		1
24	Deposition of transparent Aluminum Oxide (Al <inf>2</inf> O <inf>3</inf>) films on silvered CSP mirrors. , 2014, , .		0