Meltem F AygÃ¼ler

List of Publications by Year
in descending order

13 papers	1,498 citations	840776 11 h-index	1125743 13 g-index
14 all docs	14 docs citations	14 times ranked	3173 citing authors

#	Article	IF	Citations
1	Highly Luminescent Cesium Lead Halide Perovskite Nanocrystals with Tunable Composition and Thickness by Ultrasonication. Angewandte Chemie - International Edition, 2016, 55, 13887-13892.	13.8	615
2	Light-Emitting Electrochemical Cells Based on Hybrid Lead Halide Perovskite Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 12047-12054.	3.1	187
3	Understanding the Role of Cesium and Rubidium Additives in Perovskite Solar Cells: Trap States, Charge Transport, and Recombination. Advanced Energy Materials, 2018, 8, 1703057.	19.5	184
4	Impact of Rubidium and Cesium Cations on the Moisture Stability of Multiple-Cation Mixed-Halide Perovskites. ACS Energy Letters, 2017, 2, 2212-2218.	17.4	167
5	Influence of Fermi Level Alignment with Tin Oxide on the Hysteresis of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 11414-11419.	8.0	79
6	Temperature-dependent studies of exciton binding energy and phase-transition suppression in (Cs,FA,MA)Pb(I,Br)3 perovskites. APL Materials, 2019, 7, .	5.1	73
7	Starke Lumineszenz in Nanokristallen aus Caesiumbleihalogenidâ€•Perowskit mit durchstimmbarer Zusammensetzung und Dicke mittels Ultraschalldispersion. Angewandte Chemie, 2016, 128, 14091-14096.	2.0	54
8	Unveiling the Dynamic Processes in Hybrid Lead Bromide Perovskite Nanoparticle Thin Film Devices. Advanced Energy Materials, 2017, 7, 1602283.	19.5	47
9	Light-emitting electrochemical cells based on inorganic metal halide perovskite nanocrystals. Journal Physics D: Applied Physics, 2018, 51, 334001.	2.8	32
10	Charge Transport Limitations in Perovskite Solar Cells: The Effect of Charge Extraction Layers. ACS Applied Materials & Interfaces, 2017, 9, 37655-37661.	8.0	30
11	The Bandgap as a Moving Target: Reversible Bandgap Instabilities in Multiple-Cation Mixed-Halide Perovskite Solar Cells. ACS Energy Letters, 2018, 3, 2995-3001.	17.4	24
12	Perovskite Nanoparticles: Unveiling the Dynamic Processes in Hybrid Lead Bromide Perovskite Nanoparticle Thin Film Devices (Adv. Energy Mater. 15/2017). Advanced Energy Materials, 2017, 7, .	19.5	1
13	Reversible Bandgap Instabilities in Multiple-Cation Mixed-Halide Perovskite Solar Cells. , 0, , .		0