

Tae Woong Kim

List of Publications by Year in descending order

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papers

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701
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Organized Superlattice and Phase Coexistence inside Thin Film Organometal Halide Perovskite. <i>Advanced Materials</i> , 2018, 30, 1705230.	21.0	79
2	Detailed Investigation of Evaporated Perovskite Absorbers with High Crystal Quality on Different Substrates. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26293-26302.	8.0	46
3	Real-Time In Situ Observation of Microstructural Change in Organometal Halide Perovskite Induced by Thermal Degradation. <i>Advanced Functional Materials</i> , 2018, 28, 1804039.	14.9	45
4	Design of BCP buffer layer for inverted perovskite solar cells using ideal factor. <i>APL Materials</i> , 2019, 7, .	5.1	44
5	Direct Observation of the Tunneling Phenomenon in Organometal Halide Perovskite Solar Cells and Its Influence on Hysteresis. <i>ACS Energy Letters</i> , 2018, 3, 2743-2749.	17.4	17
6	Optimization of TiO ₂ compact layer formed by atomic layer deposition for efficient perovskite solar cells. <i>Applied Physics Letters</i> , 2019, 115, 203902.	3.3	14
7	Methodologies for structural investigations of organic lead halide perovskites. <i>Materials Today</i> , 2020, 38, 67-83.	14.2	7
8	Direction-selective electron beam damage to CH ₃ NH ₃ PbI ₃ based on crystallographic anisotropy. <i>Applied Physics Express</i> , 2020, 13, 091001.	2.4	7
9	Quantitative fraction analysis of coexisting phases in a polycrystalline CH ₃ NH ₃ PbI ₃ perovskite. <i>Applied Physics Express</i> , 2018, 11, 101401.	2.4	5
10	Ultra-thin Cadmium Sulfide Electron-transporting Layer for Planar Perovskite Solar Cell. <i>Chemistry Letters</i> , 2018, 47, 1350-1353.	1.3	3
11	Microstructural investigation of a compact TiO ₂ layer for improvement of perovskite solar cells. <i>Applied Physics Letters</i> , 2019, 115, 053902.	3.3	1
12	Robust PbI ₆ Framework of Organometal Halide CH ₃ NH ₃ PbI ₃ Perovskite Observed by High Resolution Transmission Electron Microscopy. <i>Chemistry Letters</i> , 2019, 48, 26-27.	1.3	1
13	Transmission electron microscopy observation of crystal twinning in periodically inverted AlGaAs grown by low-temperature molecular beam epitaxy. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 100306.	1.5	0
14	Response to Comment on "Self-Organized Superlattice and Phase Coexistence inside Thin Film Organometal Halide Perovskite". <i>Advanced Materials</i> , 2021, 33, 2101574.	21.0	0