

# Tae Woong Kim

## List of Publications by Year in descending order

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14  
papers

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citations

1307594

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#	ARTICLE	IF	CITATIONS
1	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
2	Methodologies for structural investigations of organic lead halide perovskites. <i>Materials Today</i> , 2020, 38, 67-83.	14.2	7
3	Direction-selective electron beam damage to $\text{CH}_3\text{NH}_3\text{PbI}_3$ based on crystallographic anisotropy. <i>Applied Physics Express</i> , 2020, 13, 091001.	2.4	7
4	Microstructural investigation of a compact $\text{TiO}_2$ layer for improvement of perovskite solar cells. <i>Applied Physics Letters</i> , 2019, 115, 053902.	3.3	1
5	Design of BCP buffer layer for inverted perovskite solar cells using ideal factor. <i>APL Materials</i> , 2019, 7, .	5.1	44
6	Optimization of $\text{TiO}_2$ compact layer formed by atomic layer deposition for efficient perovskite solar cells. <i>Applied Physics Letters</i> , 2019, 115, 203902.	3.3	14
7	Robust $\text{PbI}_6$ Framework of Organometal Halide $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Observed by High Resolution Transmission Electron Microscopy. <i>Chemistry Letters</i> , 2019, 48, 26-27.	1.3	1
8	Self-Organized Superlattice and Phase Coexistence inside Thin Film Organometal Halide Perovskite. <i>Advanced Materials</i> , 2018, 30, 1705230.	21.0	79
9	Quantitative fraction analysis of coexisting phases in a polycrystalline $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite. <i>Applied Physics Express</i> , 2018, 11, 101401.	2.4	5
10	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
11	Transmission electron microscopy observation of crystal twinning in periodically inverted $\text{AlGaAs}$ grown by low-temperature molecular beam epitaxy. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 100306.	1.5	0
12	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
13	Ultra-thin Cadmium Sulfide Electron-transporting Layer for Planar Perovskite Solar Cell. <i>Chemistry Letters</i> , 2018, 47, 1350-1353.	1.3	3
14	Detailed Investigation of Evaporated Perovskite Absorbers with High Crystal Quality on Different Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26293-26302.	8.0	46