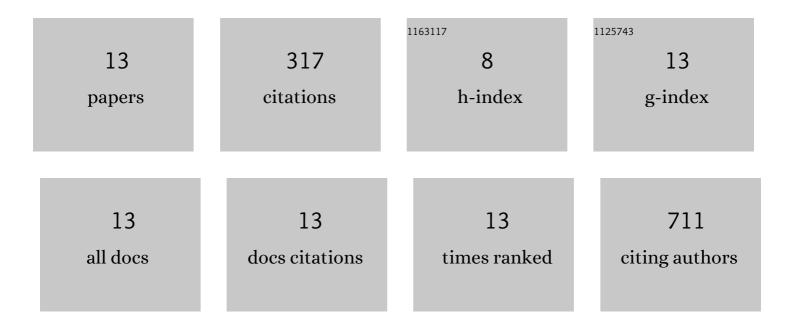
Wenzhen Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Electronicâ€Grade Highâ€Quality Perovskite Single Crystals by a Steady Selfâ€Supply Solution Growth for Highâ€Performance Xâ€ray Detectors. Advanced Materials, 2020, 32, e2001540.	21.0	71
2	Visible blind ultraviolet photodetector based on CH_3NH_3PbCl_3 thin film. Optics Express, 2016, 24, 8411.	3.4	60
3	Formation and evolution of the unexpected PbI ₂ phase at the interface during the growth of evaporated perovskite films. Physical Chemistry Chemical Physics, 2016, 18, 18607-18613.	2.8	58
4	Grain growth study of perovskite thin films prepared by flash evaporation and its effect on solar cell performance. RSC Advances, 2016, 6, 48851-48857.	3.6	29
5	Unveiling the Lowâ€Temperature Pseudodegradation of Photovoltaic Performance in Planar Perovskite Solar Cell by Optoelectronic Observation. Advanced Energy Materials, 2016, 6, 1600814.	19.5	21
6	The improvement of open circuit voltage by the sputtered TiO2 layer for efficient perovskite solar cell. Vacuum, 2016, 128, 91-98.	3.5	21
7	Elucidating the evolution of the current-voltage characteristics of planar organometal halide perovskite solar cells to an S-shape at low temperature. Solar Energy Materials and Solar Cells, 2016, 157, 981-988.	6.2	18
8	Approaching the Theoretical Light Yield Limit in CsI (Tl) Scintillator Single Crystals by a Low-Temperature Solution Method. Crystal Growth and Design, 2020, 20, 3474-3481.	3.0	17
9	Resolving the detrimental interface in co-evaporated MAPbI3 perovskite solar cells by hybrid growth method. Organic Electronics, 2019, 69, 329-335.	2.6	7
10	In situ deposition of black $\hat{l}\pm$ -FAPbI3 films by vacuum flash evaporation for solar cells. Journal of Materials Science: Materials in Electronics, 2019, 30, 8381-8389.	2.2	6
11	Uncovering the Formation Mechanism of Striations and Pyramidal Pits on a Native MAPbI ₃ Single-Crystal Surface. Journal of Physical Chemistry C, 2022, 126, 7319-7325.	3.1	4
12	The control of surface texture for planar CH3NH3PbI3â^'xClx film and its effect on photovoltaic performance. Journal of Materials Science: Materials in Electronics, 2016, 27, 9384-9390.	2.2	3
13	Temperature-dependent nonmonotonous evolution of excitonic blue luminescence and Stokes shift in chlorine-based organometallic halide perovskite film. Applied Physics Letters, 2020, 116, .	3.3	2