

# Wenzhen Wang

## List of Publications by Year in descending order

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13  
papers

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citations

1163117

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#	ARTICLE	IF	CITATIONS
1	Electronic-Grade High-Quality Perovskite Single Crystals by a Steady Self-Supply Solution Growth for High-Performance X-Ray Detectors. <i>Advanced Materials</i> , 2020, 32, e2001540.	21.0	71
2	Visible blind ultraviolet photodetector based on CH <sub>3</sub> NH <sub>3</sub> PbCl <sub>3</sub> thin film. <i>Optics Express</i> , 2016, 24, 8411.	3.4	60
3	Formation and evolution of the unexpected PbI <sub>2</sub> phase at the interface during the growth of evaporated perovskite films. <i>Physical Chemistry Chemical Physics</i> , 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. <i>RSC Advances</i> , 2016, 6, 48851-48857.	3.6	29
5	Unveiling the Low-Temperature Pseudodegradation of Photovoltaic Performance in Planar Perovskite Solar Cell by Optoelectronic Observation. <i>Advanced Energy Materials</i> , 2016, 6, 1600814.	19.5	21
6	The improvement of open circuit voltage by the sputtered TiO <sub>2</sub> layer for efficient perovskite solar cell. <i>Vacuum</i> , 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. <i>Solar Energy Materials and Solar Cells</i> , 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. <i>Crystal Growth and Design</i> , 2020, 20, 3474-3481.	3.0	17
9	Resolving the detrimental interface in co-evaporated MAPbI <sub>3</sub> perovskite solar cells by hybrid growth method. <i>Organic Electronics</i> , 2019, 69, 329-335.	2.6	7
10	In situ deposition of black $\delta$ -FAPbI <sub>3</sub> films by vacuum flash evaporation for solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8381-8389.	2.2	6
11	Uncovering the Formation Mechanism of Striations and Pyramidal Pits on a Native MAPbI <sub>3</sub> Single-Crystal Surface. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7319-7325.	3.1	4
12	The control of surface texture for planar CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3-x</sub> Cl <sub>x</sub> film and its effect on photovoltaic performance. <i>Journal of Materials Science: Materials in Electronics</i> , 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. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	2