

# Xu Dong

## List of Publications by Year in descending order

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9  
papers

608  
citations

1039406

9  
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1473754

9  
g-index

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9  
docs citations

9  
times ranked

1479  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of the humidity stability of organic–inorganic perovskite solar cells using ultrathin Al <sub>2</sub> O <sub>3</sub> layers prepared by atomic layer deposition. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5360-5367.	5.2	307
2	The effect of ALD-Zno layers on the formation of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> with different perovskite precursors and sintering temperatures. <i>Chemical Communications</i> , 2014, 50, 14405-14408.	2.2	117
3	A promising alternative solvent of perovskite to induce rapid crystallization for high-efficiency photovoltaic devices. <i>RSC Advances</i> , 2015, 5, 20521-20529.	1.7	73
4	Improved photovoltaic performance in perovskite solar cells based on CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> films fabricated under controlled relative humidity. <i>RSC Advances</i> , 2015, 5, 93957-93963.	1.7	29
5	A transparent, tough self-healing hydrogel based on a dual physically and chemically triple crosslinked network. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14581-14587.	2.7	20
6	Sunlight-Driven Continuous Flapping-Wing Motion. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 6460-6470.	4.0	18
7	Carbon Nanotube Hybrid Yarn with Mechanically Strong Healable Silicone Elastomers for Artificial Muscle. <i>ACS Applied Nano Materials</i> , 2021, 4, 5123-5130.	2.4	16
8	An ultra-large deformation bidirectional actuator based on a carbon nanotube/PDMS composite and a chitosan film. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7558-7565.	2.9	15
9	Method for improving illumination instability of organic–inorganic halide perovskite solar cells. <i>Science Bulletin</i> , 2016, 61, 236-244.	4.3	13