

# Bo Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

6,283  
citations

430442

18  
h-index

752256

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

7262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducing sputter induced stress and damage for efficient perovskite/silicon tandem solar cells. Journal of Materials Chemistry A, 2022, 10, 1343-1349.	5.2	27
2	Crystallization in one-step solution deposition of perovskite films: Upward or downward?. Science Advances, 2021, 7, .	4.7	165
3	Recycling lead and transparent conductors from perovskite solar modules. Nature Communications, 2021, 12, 5859.	5.8	69
4	Scalable Fabrication of Efficient Perovskite Solar Modules on Flexible Glass Substrates. Advanced Energy Materials, 2020, 10, 1903108.	10.2	186
5	Synergistic Effect of Elevated Device Temperature and Excess Charge Carriers on the Rapid Light-Induced Degradation of Perovskite Solar Cells. Advanced Materials, 2019, 31, e1902413.	11.1	90
6	Imperfections and their passivation in halide perovskite solar cells. Chemical Society Reviews, 2019, 48, 3842-3867.	18.7	1,257
7	Tailoring solvent coordination for high-speed, room-temperature blading of perovskite photovoltaic films. Science Advances, 2019, 5, eaax7537.	4.7	312
8	Pulmonary Exposure to Magn@li Phase Titanium Suboxides Results in Significant Macrophage Abnormalities and Decreased Lung Function. Frontiers in Immunology, 2019, 10, 2714.	2.2	12
9	Light-induced lattice expansion leads to high-efficiency perovskite solar cells. Science, 2018, 360, 67-70.	6.0	554
10	Excess charge-carrier induced instability of hybrid perovskites. Nature Communications, 2018, 9, 4981.	5.8	159
11	Large electrostrictive response in lead halide perovskites. Nature Materials, 2018, 17, 1020-1026.	13.3	137
12	Enhanced Piezoelectric Response in Hybrid Lead Halide Perovskite Thin Films via Interfacing with Ferroelectric $\text{PbZr}_{0.2}\text{Ti}_{0.8}\text{O}_3$ . ACS Applied Materials & Interfaces, 2018, 10, 19218-19225.	4.0	24
13	Progress in Tandem Solar Cells Based on Hybrid Organic-Inorganic Perovskites. Advanced Energy Materials, 2017, 7, 1602400.	10.2	130
14	Spontaneous Passivation of Hybrid Perovskite by Sodium Ions from Glass Substrates: Mysterious Enhancement of Device Efficiency Revealed. ACS Energy Letters, 2017, 2, 1400-1406.	8.8	143
15	Matching Charge Extraction Contact for Wide-Bandgap Perovskite Solar Cells. Advanced Materials, 2017, 29, 1700607.	11.1	178
16	Efficient Flexible Solar Cell based on Composition-Tailored Hybrid Perovskite. Advanced Materials, 2017, 29, 1605900.	11.1	184
17	Scaling behavior of moisture-induced grain degradation in polycrystalline hybrid perovskite thin films. Energy and Environmental Science, 2017, 10, 516-522.	15.6	720
18	Defect passivation in hybrid perovskite solar cells using quaternary ammonium halide anions and cations. Nature Energy, 2017, 2, .	19.8	1,694

#	ARTICLE	IF	CITATIONS
19	Efficient Semitransparent Perovskite Solar Cells for 23.0% Efficiency Perovskite/Silicon Four-Terminal Tandem Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1601128.	10.2	240