

Bo Li

List of Publications by Year in descending order

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27
papers

2,271
citations

304368

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525886

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docs citations

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times ranked

3482
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Bulk Defect Suppression Strategy in FASn ₃ Perovskite for Photovoltaic Performance Enhancement. <i>Advanced Functional Materials</i> , 2022, 32, 2107710.	7.8	40
2	Efficient and Stable Tin Perovskite Solar Cells by Pyridine-Functionalized Fullerene with Reduced Interfacial Energy Loss. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	49
3	Thiazole-Modified C ₃ N ₄ Interfacial Layer for Defect Passivation and Charge Transport Promotion in Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2000720.	3.1	16
4	Efficient Passivation Strategy on Sn Related Defects for High Performance All-Inorganic CsSn ₃ Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2007447.	7.8	128
5	Polyethylene Glycol Polymer Scaffold Induced Intermolecular Interactions for Crystallization Regulation and Defect Passivation in FASn ₃ Films. <i>ACS Applied Energy Materials</i> , 2021, 4, 3622-3632.	2.5	13
6	Designs from single junctions, heterojunctions to multijunctions for high-performance perovskite solar cells. <i>Chemical Society Reviews</i> , 2021, 50, 13090-13128.	18.7	91
7	MOF-derived ZnO as electron transport layer for improving light harvesting and electron extraction efficiency in perovskite solar cells. <i>Electrochimica Acta</i> , 2020, 330, 135280.	2.6	38
8	Sb ₂ Se ₃ /CsPbBr ₂ All-Inorganic p-n Heterojunction Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 9550-9557.	2.5	4
9	Tin-Based Defects and Passivation Strategies in Tin-Related Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2020, 5, 3752-3772.	8.8	143
10	Defect passivation strategies in perovskites for an enhanced photovoltaic performance. <i>Energy and Environmental Science</i> , 2020, 13, 4017-4056.	15.6	235
11	Bismuth Telluride Interlayer for All-Inorganic Perovskite Solar Cells with Enhanced Efficiency and Stability. <i>Solar Rrl</i> , 2019, 3, 1900233.	3.1	27
12	Fluorescence resonance energy transfer effect enhanced high performance of Si quantum Dots/CsPbBr ₃ inverse opal heterostructure perovskite solar cells. <i>Journal of Power Sources</i> , 2019, 439, 227065.	4.0	29
13	Pathways toward high-performance inorganic perovskite solar cells: challenges and strategies. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20494-20518.	5.2	62
14	Ultra-long photoluminescence lifetime in an inorganic halide perovskite thin film. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22229-22234.	5.2	23
15	One-step-spin-coating route for homogeneous perovskite/pyrrole-C ₆₀ fullerene bulk heterojunction for high performance solar cells. <i>Journal of Power Sources</i> , 2019, 419, 27-34.	4.0	16
16	Enhanced optical absorption and efficient cascade electron extraction based on energy band alignment double absorbers perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2019, 194, 168-176.	3.0	20
17	Two-dimensional black phosphorous induced exciton dissociation efficiency enhancement for high-performance all-inorganic CsPb ₃ perovskite photovoltaics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22539-22549.	5.2	35
18	Surface passivation engineering strategy to fully-inorganic cubic CsPbI ₃ perovskites for high-performance solar cells. <i>Nature Communications</i> , 2018, 9, 1076.	5.8	507

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19	A fluorine-modulated bulk-phase heterojunction and tolerance factor for enhanced performance and structure stability of cesium lead halide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13263-13270.	5.2	57
20	High-Voltage-Efficiency Inorganic Perovskite Solar Cells in a Wide Solution-Processing Window. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3646-3653.	2.1	63
21	Continuous Size Tuning of Monodispersed ZnO Nanoparticles and Its Size Effect on the Performance of Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9785-9794.	4.0	43
22	PbCl ₂ -tuned inorganic cubic CsPbBr ₃ (Cl) perovskite solar cells with enhanced electron lifetime, diffusion length and photovoltaic performance. <i>Journal of Power Sources</i> , 2017, 360, 11-20.	4.0	84
23	Efficient electron transfer layer based on Al ₂ O ₃ passivated TiO ₂ nanorod arrays for high performance evaporation-route deposited FAPbI ₃ perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017, 170, 187-196.	3.0	31
24	Highly Efficient and Stable Perovskite Solar Cells Based on Monolithically Grained CH ₃ NH ₃ PbI ₃ Film. <i>Advanced Energy Materials</i> , 2017, 7, 1602017.	10.2	291
25	Graded Heterojunction Engineering for Hole-Conductor-Free Perovskite Solar Cells with High Hole Extraction Efficiency and Conductivity. <i>Advanced Materials</i> , 2017, 29, 1701221.	11.1	80
26	Novel Au inlaid Zn ₂ SnO ₄ /SnO ₂ hollow rounded cubes for dye-sensitized solar cells with enhanced photoelectric conversion performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 466-477.	5.2	35
27	Prussian Blue-Supported Annealing Chemical Reaction Route Synthesized Double-Shelled Fe ₂ O ₃ /Co ₃ O ₄ Hollow Microcubes as Anode Materials for Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8098-8107.	4.0	111