

Tongfa Liu

List of Publications by Year in descending order

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22
papers

5,293
citations

471061

17
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676716

22
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docs citations

22
times ranked

5956
citing authors

#	ARTICLE	IF	CITATIONS
1	A hole-conductor-free, fully printable mesoscopic perovskite solar cell with high stability. <i>Science</i> , 2014, 345, 295-298.	6.0	2,685
2	Full Printable Processed Mesoscopic CH ₃ NH ₃ PbI ₃ /TiO ₂ Heterojunction Solar Cells with Carbon Counter Electrode. <i>Scientific Reports</i> , 2013, 3, 3132.	1.6	697
3	Fully Printable Mesoscopic Perovskite Solar Cells with Organic Silane Self-Assembled Monolayer. <i>Journal of the American Chemical Society</i> , 2015, 137, 1790-1793.	6.6	414
4	Hole-Conductor-Free Mesoscopic TiO ₂ /CH ₃ NH ₃ PbI ₃ Heterojunction Solar Cells Based on Anatase Nanosheets and Carbon Counter Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2160-2164.	2.1	224
5	The effect of carbon counter electrodes on fully printable mesoscopic perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9165-9170.	5.2	207
6	Efficient hole-conductor-free, fully printable mesoscopic perovskite solar cells with a broad light harvester NH ₂ CH ₃ NH ₂ PbI ₃ . <i>Journal of Materials Chemistry A</i> , 2014, 2, 17115-17121.	5.2	174
7	Hole-Conductor-Free Fully Printable Mesoscopic Solar Cell with Mixed Anion Perovskite CH ₃ NH ₃ PbI ₃ (3 ⁺)(BF ₄) _x . <i>Advanced Energy Materials</i> , 2016, 6, 1502009.		
8	The size effect of TiO ₂ nanoparticles on a printable mesoscopic perovskite solar cell. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9103-9107.	5.2	153
9	Critical parameters in TiO ₂ /ZrO ₂ /Carbon-based mesoscopic perovskite solar cell. <i>Journal of Power Sources</i> , 2015, 293, 533-538.	4.0	114
10	Highly ordered mesoporous carbon for mesoscopic CH ₃ NH ₃ PbI ₃ /TiO ₂ heterojunction solar cell. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8607.	5.2	88
11	Fully printable perovskite solar cells with highly-conductive, low-temperature, perovskite-compatible carbon electrode. <i>Carbon</i> , 2018, 129, 830-836.	5.4	79
12	Fine-tuning optical and electronic properties of graphene oxide for highly efficient perovskite solar cells. <i>Nanoscale</i> , 2015, 7, 10708-10718.	2.8	72
13	Materials and structures for the electron transport layer of efficient and stable perovskite solar cells. <i>Science China Chemistry</i> , 2019, 62, 800-809.	4.2	59
14	Metal electrode-free perovskite solar cells with transfer-laminated conducting polymer electrode. <i>Optics Express</i> , 2015, 23, A83.	1.7	53
15	Efficient monolithic solid-state dye-sensitized solar cell with a low-cost mesoscopic carbon based screen printable counter electrode. <i>Organic Electronics</i> , 2013, 14, 628-634.	1.4	26
16	Interfacial Post-Treatment for Enhancing the Performance of Printable Carbon-Based Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 1900278.	3.1	23
17	Spacer improvement for efficient and fully printable mesoscopic perovskite solar cells. <i>RSC Advances</i> , 2017, 7, 10118-10123.	1.7	19
18	Spacer layer design for efficient fully printable mesoscopic perovskite solar cells. <i>RSC Advances</i> , 2019, 9, 29840-29846.	1.7	14

#	ARTICLE	IF	CITATIONS
19	Understanding the Diverse Coordination Modes of Thiocyanate Anion on Solid Surfaces. Journal of Physical Chemistry C, 2019, 123, 9282-9291.	1.5	10
20	Controlling Apparent Coordinated Solvent Number in the Perovskite Intermediate Phase Film for Developing Large-Area Perovskite Solar Modules. Energy Technology, 2020, 8, 1900972.	1.8	9
21	N-type metal-oxide electron transport layer for mesoscopic perovskite solar cells. Science China Materials, 2016, 59, 757-768.	3.5	6
22	Building Bulk Heterojunction to Enhance Hole Extraction for High-Performance Printable Carbon-Based Perovskite Solar Cells. Solar Rrl, 2022, 6, .	3.1	6