

Tongfa Liu

List of Publications by Citations

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21
papers

4,559
citations

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h-index

22
g-index

22
ext. papers

4,920
ext. citations

9.5
avg, IF

5.21
L-index

#	Paper	IF	Citations
21	A hole-conductor-free, fully printable mesoscopic perovskite solar cell with high stability. <i>Science</i> , 2014 , 345, 295-8	33.3	2374
20	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	4.9	574
19	Fully printable mesoscopic perovskite solar cells with organic silane self-assembled monolayer. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1790-3	16.4	345
18	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, 2160-4	6.4	211
17	The effect of carbon counter electrodes on fully printable mesoscopic perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9165-9170	13	179
16	Efficient hole-conductor-free, fully printable mesoscopic perovskite solar cells with a broad light harvester NH ₂ CHNH ₂ PbI ₃ . <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17115-17121	13	158
15	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	13	137
14	Hole-Conductor-Free Fully Printable Mesoscopic Solar Cell with Mixed-Anion Perovskite CH ₃ NH ₃ PbI ₃ (3x)(BF ₄) _x . <i>Advanced Energy Materials</i> , 2016 , 6, 1502009	21.8	132
13	Critical parameters in TiO ₂ /ZrO ₂ /Carbon-based mesoscopic perovskite solar cell. <i>Journal of Power Sources</i> , 2015 , 293, 533-538	8.9	93
12	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	13	80
11	Fine-tuning optical and electronic properties of graphene oxide for highly efficient perovskite solar cells. <i>Nanoscale</i> , 2015 , 7, 10708-18	7.7	66
10	Fully printable perovskite solar cells with highly-conductive, low-temperature, perovskite-compatible carbon electrode. <i>Carbon</i> , 2018 , 129, 830-836	10.4	53
9	Metal electrode-free perovskite solar cells with transfer-laminated conducting polymer electrode. <i>Optics Express</i> , 2015 , 23, A83-91	3.3	47
8	Materials and structures for the electron transport layer of efficient and stable perovskite solar cells. <i>Science China Chemistry</i> , 2019 , 62, 800-809	7.9	37
7	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	3.5	23
6	Spacer improvement for efficient and fully printable mesoscopic perovskite solar cells. <i>RSC Advances</i> , 2017 , 7, 10118-10123	3.7	16
5	Interfacial Post-Treatment for Enhancing the Performance of Printable Carbon-Based Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 1900278	7.1	12

4	Spacer layer design for efficient fully printable mesoscopic perovskite solar cells.. <i>RSC Advances</i> , 2019 , 9, 29840-29846	3.7	10
3	Understanding the Diverse Coordination Modes of Thiocyanate Anion on Solid Surfaces. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 9282-9291	3.8	5
2	Controlling Apparent Coordinated Solvent Number in the Perovskite Intermediate Phase Film for Developing Large-Area Perovskite Solar Modules. <i>Energy Technology</i> , 2020 , 8, 1900972	3.5	5
1	N-type metal-oxide electron transport layer for mesoscopic perovskite solar cells. <i>Science China Materials</i> , 2016 , 59, 757-768	7.1	2