Lun Cai

List of Publications by Year
in descending order

15	294	1040056 9	1058476 14
papers	citations	h-index	g-index

15	15	15	352
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dopantâ€free back contact silicon heterojunction solar cells employing transition metal oxide emitters. Physica Status Solidi - Rapid Research Letters, 2016, 10, 662-667.	2.4	62
2	Chromium Trioxide Hole-Selective Heterocontacts for Silicon Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 13645-13651.	8.0	35
3	Solutionâ€Processed Highâ€Quality Cu‹sub›2‹/sub›O Thin Films as Hole Transport Layers for Pushing the Conversion Efficiency Limit of Cu‹sub›2‹/sub›O/Si Heterojunction Solar Cells. Solar Rrl, 2020, 4, 1900339.	5.8	33
4	Multilayer MoOx/Ag/MoOx emitters in dopant-free silicon solar cells. Materials Letters, 2017, 189, 86-88.	2.6	30
5	12.29% Low Temperatureâ€“Processed Dopantâ€Free CdS/pâ€Si Heterojunction Solar Cells. Advanced Materials Interfaces, 2019, 6, 1900367.	3.7	29
6	Conductive Cuprous Iodide Hole-Selective Contacts with Thermal and Ambient Stability for Silicon Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 43699-43706.	8.0	19
7	Yttrium Fluoride-Based Electron-Selective Contacts for Crystalline Silicon Solar Cells. ACS Applied Energy Materials, 2021, 4, 2158-2164.	5.1	14
8	Efficient silicon solar cells applying cuprous sulfide as hole-selective contact. Journal of Materials Science, 2019, 54, 12650-12658.	3.7	13
9	Fabrication of cadmium sulfide/p type silicon heterojunction solar cells under 300â€Â°C with more than 10% efficiency. Solar Energy, 2018, 173, 635-639.	6.1	11
10	Highâ€Performance Europium Fluoride Electronâ€Selective Contacts for Efficient Crystalline Silicon Solar Cells. Solar Rrl, 2021, 5, 2100057.	5.8	11
11	Cerous Fluoride Dopantâ€Free Electronâ€Selective Contact for Crystalline Silicon Solar Cells. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100135.	2.4	11
12	Highâ€Performance and Stable Dopantâ€Free Silicon Solar Cells with Magnesium Acetylacetonate Electronâ€Selective Contacts. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000103.	2.4	9
13	Indium sulfide-based electron-selective contact and dopant-free heterojunction silicon solar cells. Solar Energy, 2020, 211, 759-766.	6.1	8
14	Gadolinium Fluoride as a High-Thickness-Tolerant Electron-Selective Contact Material for Solar Cells. ACS Applied Energy Materials, 2022, 5, 4351-4357.	5.1	8
15	Chromium Trioxide Hole-Selective Heterocontacts for Silicon Solar Cells. , 2018, , .		1