

Thomas Allen

List of Publications by Year in descending order

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19
papers

1,753
citations

623734

14
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

1423
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient silicon solar cells with dopant-free asymmetric heterocontacts. <i>Nature Energy</i> , 2016, 1, .	39.5	461
2	Molybdenum oxide MoOx: A versatile hole contact for silicon solar cells. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	279
3	Magnesium Fluoride Electron-Selective Contacts for Crystalline Silicon Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14671-14677.	8.0	188
4	Conductive and Stable Magnesium Oxide Electron-Selective Contacts for Efficient Silicon Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1601863.	19.5	174
5	Lithium Fluoride Based Electron Contacts for High Efficiency n-Type Crystalline Silicon Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1600241.	19.5	134
6	Carrier population control and surface passivation in solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 184, 38-47.	6.2	109
7	Dual-Function Electron-Conductive, Hole-Blocking Titanium Nitride Contacts for Efficient Silicon Solar Cells. <i>Joule</i> , 2019, 3, 1314-1327.	24.0	91
8	Skin care for healthy silicon solar cells. , 2015, , .		57
9	Proof-of-Concept p-Type Silicon Solar Cells With Molybdenum Oxide Local Rear Contacts. <i>IEEE Journal of Photovoltaics</i> , 2015, 5, 1591-1594.	2.5	49
10	A magnesium/amorphous silicon passivating contact for n-type crystalline silicon solar cells. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	44
11	Effect of boron concentration on recombination at the p-Si-Al ₂ O ₃ interface. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	43
12	Polymeric Electron-Selective Contact for Crystalline Silicon Solar Cells with an Efficiency Exceeding 19%. <i>ACS Energy Letters</i> , 2020, 5, 897-902.	17.4	35
13	Dip Coating Passivation of Crystalline Silicon by Lewis Acids. <i>ACS Nano</i> , 2019, 13, 3723-3729.	14.6	28
14	Thermal stability of silicon surface passivation by APCVD Al ₂ O ₃ . <i>Solar Energy Materials and Solar Cells</i> , 2014, 120, 339-345.	6.2	25
15	Low resistance Ohmic contact to p-type crystalline silicon via nitrogen-doped copper oxide films. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	21
16	Improved Silicon Surface Passivation of APCVD Al ₂ O ₃ by Rapid Thermal Annealing. <i>Energy Procedia</i> , 2016, 92, 317-325.	1.8	7
17	Electron-Selective Lithium Contacts for Crystalline Silicon Solar Cells. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100015.	3.7	5
18	Proof-of-concept p-type silicon solar cells with molybdenum oxide partial rear contacts. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	Magnesium fluoride based electron-selective contact. , 2016, , .		0