

# 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	Electron-Selective Lithium Contacts for Crystalline Silicon Solar Cells. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100015.	3.7	5
2	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
3	Dual-Function Electron-Conductive, Hole-Blocking Titanium Nitride Contacts for Efficient Silicon Solar Cells. <i>Joule</i> , 2019, 3, 1314-1327.	24.0	91
4	Dip Coating Passivation of Crystalline Silicon by Lewis Acids. <i>ACS Nano</i> , 2019, 13, 3723-3729.	14.6	28
5	Carrier population control and surface passivation in solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 184, 38-47.	6.2	109
6	Conductive and Stable Magnesium Oxide Electron-Selective Contacts for Efficient Silicon Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1601863.	19.5	174
7	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
8	A magnesium/amorphous silicon passivating contact for <i>n</i> -type crystalline silicon solar cells. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	44
9	Magnesium fluoride based electron-selective contact. , 2016, , .		0
10	Improved Silicon Surface Passivation of APCVD Al <sub>2</sub> O <sub>3</sub> by Rapid Thermal Annealing. <i>Energy Procedia</i> , 2016, 92, 317-325.	1.8	7
11	Efficient silicon solar cells with dopant-free asymmetric heterocontacts. <i>Nature Energy</i> , 2016, 1, .	39.5	461
12	Magnesium Fluoride Electron-Selective Contacts for Crystalline Silicon Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14671-14677.	8.0	188
13	Lithium Fluoride Based Electron Contacts for High Efficiency <i>n</i> -Type Crystalline Silicon Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1600241.	19.5	134
14	Proof-of-concept p-type silicon solar cells with molybdenum oxide partial rear contacts. , 2015, , .		3
15	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
16	Skin care for healthy silicon solar cells. , 2015, , .		57
17	Molybdenum oxide MoO <sub>x</sub> : A versatile hole contact for silicon solar cells. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	279
18	Effect of boron concentration on recombination at the <i>p</i> -Si-Al <sub>2</sub> O <sub>3</sub> interface. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	43

#	ARTICLE	IF	CITATIONS
19	Thermal stability of silicon surface passivation by APCVD Al <sub>2</sub> O <sub>3</sub> . Solar Energy Materials and Solar Cells, 2014, 120, 339-345.	6.2	25