Abhijit S Kale

List of Publications by Year
in descending order

10 papers	187 citations	1478505 6 h-index	1872680 6 g-index
10 all docs	10 docs citations	10 times ranked	241 citing authors

#	Article	IF	Citations
1	Effect of silicon oxide thickness on polysilicon based passivated contacts for high-efficiency crystalline silicon solar cells. Solar Energy Materials and Solar Cells, 2018, 185, 270-276.	6.2	60
2	Understanding the charge transport mechanisms through ultrathin SiOx layers in passivated contacts for high-efficiency silicon solar cells. Applied Physics Letters, 2019, 114, .	3.3	41
3	Effect of Crystallographic Orientation and Nanoscale Surface Morphology on Poly-Si/SiO_x Contacts for Silicon Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 42021-42031.	8.0	29
4	Effect of Surface Texture on Pinhole Formation in SiO_x-Based Passivated Contacts for High-Performance Silicon Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 55737-55745.	8.0	18
5	Thermal Stability of Copperâ€“Nickel and Copperâ€“Nickel Silicide Contacts for Crystalline Silicon. ACS Applied Energy Materials, 2018, 1, 2841-2848.	5.1	14
6	Modifications of Textured Silicon Surface Morphology and Its Effect on Poly-Si/SiO _x Contact Passivation for Silicon Solar Cells. IEEE Journal of Photovoltaics, 2019, 9, 1513-1521.	2.5	13
7	Tunneling or Pinholes: Understanding the Transport Mechanisms in SiO<inf>x</inf> Based Passivated Contacts for High-Efficiency Silicon Solar Cells. , 2018, , .		7
8	Study of nickel silicide as a copper diffusion barrier in monocrystalline silicon solar cells. , 2016, , .		4
9	Nonuniform Charge Collection in SiO_x-Based Passivated-Contact Silicon Solar Cells. , 2019, , .		1
10	Dopant Patterning by PECVD and Mechanical Masking for Passivated Tunneling Contact IBC Cell Architectures. , 2017, , .		0