

Abhijit S Kale

List of Publications by Year in descending order

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papers

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citations

1478505

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docs citations

10
times ranked

241
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Understanding the charge transport mechanisms through ultrathin SiO _x layers in passivated contacts for high-efficiency silicon solar cells. Applied Physics Letters, 2019, 114, .	3.3	41
5	Nonuniform Charge Collection in SiO _x -Based Passivated-Contact Silicon Solar Cells. , 2019, , .		1
6	Tunneling or Pinholes: Understanding the Transport Mechanisms in SiO _x -Based Passivated Contacts for High-Efficiency Silicon Solar Cells. , 2018, , .		7
7	Thermal Stability of Copper-Nickel and Copper-Nickel Silicide Contacts for Crystalline Silicon. ACS Applied Energy Materials, 2018, 1, 2841-2848.	5.1	14
8	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
9	Dopant Patterning by PECVD and Mechanical Masking for Passivated Tunneling Contact IBC Cell Architectures. , 2017, , .		0
10	Study of nickel silicide as a copper diffusion barrier in monocrystalline silicon solar cells. , 2016, , .		4