

Mohamed Emam

List of Publications by Year in descending order

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15
papers

580
citations

933410

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1372553

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15
all docs

15
docs citations

15
times ranked

403
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance assessment of a novel integrated concentrator photovoltaic system with encapsulated phase change materials. Energy Conversion and Management, 2022, 266, 115854.	9.2	19
2	Optimization and parametric analysis of a multi-junction high-concentrator PV cell combined with a straight fins heat sink. Energy Conversion and Management, 2021, 243, 114382.	9.2	25
3	Performance evaluation of concentrator photovoltaic systems integrated with combined passive cooling techniques. Solar Energy, 2021, 228, 447-463.	6.1	19
4	Thermal management of concentrator photovoltaic systems using nano-enhanced phase change materials-based heat sink. International Journal of Energy Research, 2020, 44, 7713-7733.	4.5	14
5	Performance evaluation of concentrator photovoltaic systems integrated with a new jet impingement-microchannel heat sink and heat spreader. Solar Energy, 2020, 199, 852-863.	6.1	53
6	Thermal management of concentrator photovoltaic systems using new configurations of phase change material heat sinks. Solar Energy, 2019, 183, 632-652.	6.1	75
7	Thermal management of electronic devices and concentrator photovoltaic systems using phase change material heat sinks: Experimental investigations. Renewable Energy, 2019, 141, 322-339.	8.9	63
8	Cooling concentrator photovoltaic systems using various configurations of phase-change material heat sinks. Energy Conversion and Management, 2018, 158, 298-314.	9.2	129
9	Performance analysis of a new concentrator photovoltaic system integrated with phase change material and water jacket. Solar Energy, 2018, 173, 1158-1172.	6.1	43
10	Comparative Study of Active and Passive Cooling Techniques for Concentrated Photovoltaic Systems. , 2018, , 475-505.		12
11	Performance study and analysis of an inclined concentrated photovoltaic-phase change material system. Solar Energy, 2017, 150, 229-245.	6.1	114
12	An Investigation of a Novel Structure Polycrystalline Silicon Solar Cell for Concentrated Solar Power. , 2017, , .		0
13	Analysis of a New Hybrid Water-Phase Change Material Heat Sink for Low Concentrated Photovoltaic Systems. , 2017, , .		4
14	Cooling of Concentrated Photovoltaic System Using Various Configurations of Phase-Change Material Heat Sink. , 2016, , .		4
15	Performance Enhancement of Concentrated Photovoltaic System Using Phase-Change Material. , 2016, , .		6