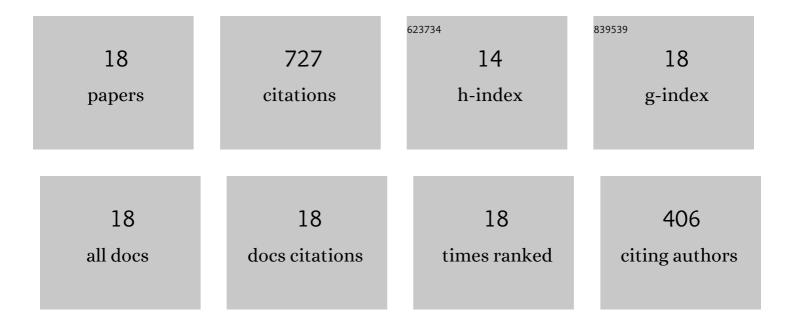
## Karem Elsayed Ebaid Abdel Ghany Elfel

List of Publications by Year in descending order

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## Karem Elsayed Ebaid Abdel

#	Article	IF	CITATIONS
1	Numerical comparison between single PCM and multi-stage PCM based high temperature thermal energy storage for CSP tower plants. Applied Thermal Engineering, 2018, 139, 609-622.	6.0	113
2	Thermal and economic evaluation of thermocline combined sensible-latent heat thermal energy storage system for medium temperature applications. Energy Conversion and Management, 2019, 189, 14-23.	9.2	78
3	Experimental investigations of thermal managements solutions in data centers buildings for different arrangements of cold aisles containments. Journal of Building Engineering, 2016, 5, 41-49.	3.4	75
4	Thermal performance analysis of thermocline combined sensible-latent heat storage system using cascaded-layered PCM designs for medium temperature applications. Renewable Energy, 2020, 152, 684-697.	8.9	62
5	Optimization of thermal performance in thermocline tank thermal energy storage system with the multilayered PCM(s) for CSP tower plants. Applied Energy, 2019, 243, 175-190.	10.1	58
6	Experimental investigations of air conditioning solutions in high power density data centers using a scaled physical model. International Journal of Refrigeration, 2016, 63, 87-99.	3.4	55
7	Recent advancement and enhanced battery performance using phase change materials based hybrid battery thermal management for electric vehicles. Renewable and Sustainable Energy Reviews, 2022, 154, 111759.	16.4	49
8	Experimental parametric study of servers cooling management in data centers buildings. Heat and Mass Transfer, 2017, 53, 2083-2097.	2.1	37
9	Numerical characterization of thermocline behaviour of combined sensible-latent heat storage tank using brick manganese rod structure impregnated with PCM capsules. Solar Energy, 2019, 180, 243-256.	6.1	37
10	Thermal and economic evaluation of phase change material volume fraction for thermocline tank used in concentrating solar power plants. Applied Energy, 2020, 267, 115054.	10.1	37
11	Experimental study of solving thermal heterogeneity problem of data center servers. Applied Thermal Engineering, 2016, 109, 466-474.	6.0	33
12	Thermal management evaluation of Li-ion battery employing multiple phase change materials integrated thin heat sinks for hybrid electric vehicles. Journal of Power Sources, 2021, 516, 230680.	7.8	29
13	Thermo-economic evaluation of PCM layer thickness change on the performance of the hybrid heat storage tank for concentrating solar power plants. Energy, 2022, 253, 124128.	8.8	20
14	Numerical analysis on performances of shell side in segmental baffles, helical baffles and novel clamping anti-vibration baffles with square twisted tubes shell and tube heat exchangers. Energy Procedia, 2019, 158, 5770-5775.	1.8	16
15	Cycle cut-off criterion effect on the performance of cascaded, sensible, combined sensible-latent heat storage tank for concentrating solar power plants. Energy, 2021, 230, 120771.	8.8	15
16	Numerical investigation of the melting temperature effect on the performance of thermocline thermal energy storage tank for CSP. Energy Procedia, 2019, 158, 4715-4720.	1.8	5
17	Performance analysis of an air rock thermocline TES tank for concentrated solar power plants using the coupled DEM–CFD approach. Clean Technologies and Environmental Policy, 2022, 24, 3-19.	4.1	5
18	Influence of inlet temperature on the performance of cascade and hybrid storage tank for CSP plants. Applied Thermal Engineering, 2022, 206, 118098.	6.0	3