

# Wafaa Karaki

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10488278/publications.pdf>

Version: 2024-02-01

13  
papers

386  
citations

1163117

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h-index

1372567

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all docs

13  
docs citations

13  
times ranked

312  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Heat Storage and Delivery of a Thermocline Tank Having Solid Filler Material. Journal of Solar Energy Engineering, Transactions of the ASME, 2011, 133, .	1.8	109
2	Generalized charts of energy storage effectiveness for thermocline heat storage tank design and calibration. Solar Energy, 2011, 85, 2130-2143.	6.1	62
3	Similarity and generalized analysis of efficiencies of thermal energy storage systems. Renewable Energy, 2012, 39, 388-402.	8.9	58
4	Human thermal response with improved AVA modeling of the digits. International Journal of Thermal Sciences, 2013, 67, 41-52.	4.9	55
5	Experimental Investigation of Thermal Storage Processes in a Thermocline Tank. Journal of Solar Energy Engineering, Transactions of the ASME, 2012, 134, .	1.8	31
6	A continuum thermomechanical model of in vivo electrosurgical heating of hydrated soft biological tissues. International Journal of Heat and Mass Transfer, 2018, 127, 961-974.	4.8	21
7	Energy Dissipation in <i>Ex Vivo</i> Porcine Liver During Electrosurgery. IEEE Transactions on Biomedical Engineering, 2017, 64, 1211-1217.	4.2	15
8	A new mathematical model to simulate AVA cold-induced vasodilation reaction to local cooling. International Journal of Biometeorology, 2014, 58, 1905-1918.	3.0	14
9	Heat Transfer in Thermocline Storage System With Filler Materials: Analytical Model. , 2010, , .		11
10	A two-scale model of radio-frequency electrosurgical tissue ablation. Computational Mechanics, 2018, 62, 803-814.	4.0	5
11	Experimental Investigation of Thermal Storage Processes in a Thermocline Storage Tank. , 2011, , .		3
12	Waveform-Dependent Electrosurgical Effects on Soft Hydrated Tissues. Journal of Biomechanical Engineering, 2019, 141, .	1.3	2
13	A continuum thermomechanical model for the electrosurgery of soft hydrated tissues using a moving electrode. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 1317-1335.	1.6	0