

# Wafaa Karaki

## List of Publications by Year in descending order

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

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13  
papers

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citations

1163117

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1372567

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docs citations

13  
times ranked

312  
citing authors

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