Åukasz Turchan

List of Publications by Year
in descending order

13	144	1478280 6	1199470 12
papers	citations	h-index	g-index

13	13	13	84
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification of Laser Intensity Assuring the Destruction of Target Region of Biological Tissue Using the Gradient Method and Generalized Dual-Phase Lag Equation. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2019, 43, 539-548.	0.8	13
2	Modeling of laser heating of bi-layered microdomain using the general boundary element method. Engineering Analysis With Boundary Elements, 2019, 108, 438-446.	2.0	9
3	Mathematical modelling of the destruction degree of cancer under the influence of a RF hyperthermia. AIP Conference Proceedings, 2018, , .	0.3	3
4	Sensitivity analysis of temperature field in the heated soft tissue with respect to the perturbations of porosity. Applied Mathematical Modelling, 2017, 49, 498-513.	2.2	11
5	ANALYSIS OF THERMAL PROCESSES OCCURRING IN THE MICRODOMAIN SUBJECTED TO THE ULTRASHORT LASER PULSE USING THE AXISYMMETRIC TWO-TEMPERATURE MODEL. International Journal for Multiscale Computational Engineering, 2017, 15, 395-411.	0.8	6
6	Modeling of phase changes in the metal microâ€domains subjected to ultrafast laser heating using dualâ€phase lag equation. Materialwissenschaft Und Werkstofftechnik, 2016, 47, 409-418.	0.5	5
7	Numerical analysis of the interactions between laser and soft tissues using generalized dual-phase lag equation. Applied Mathematical Modelling, 2016, 40, 750-762.	2.2	38
8	1D generalized dual-phase lag equation. Sensitivity analysis with respect to the porosity. Journal of Applied Mathematics and Computational Mechanics, 2016, 15, 49-58.	0.3	3
9	Sensitivity Analysis and Inverse Problems in Microscale Heat Transfer. Defect and Diffusion Forum, 2015, 362, 209-223.	0.4	2
10	The general boundary element method for 3D dual-phase lag model of bioheat transfer. Engineering Analysis With Boundary Elements, 2015, 50, 76-82.	2.0	41
11	BIOINSPIRED IDENTIFICATION OF PARAMETERS IN MICROSCALE HEAT TRANSFER. International Journal for Multiscale Computational Engineering, 2014, 12, 79-89.	0.8	11
12	A numerical analysis of heating tissue using the two-temperature model. WIT Transactions on Engineering Sciences, 2014, , .	0.0	2
13	Modeling of Laser-Soft Tissue Interactions Using the Dual-Phase Lag Equation: Sensitivity Analysis with Respect to Selected Tissue Parameters. Defect and Diffusion Forum, 0, 379, 108-123.	0.4	0