

# Mohammed Elhagary

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8416961/publications.pdf>

Version: 2024-02-01

16  
papers

334  
citations

1040056

9  
h-index

1199594

12  
g-index

16  
all docs

16  
docs citations

16  
times ranked

107  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Atangana–Baleanu fractional derivative on a two-dimensional thermoviscoelastic problem for solid sphere under axisymmetric distribution. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 3295-3312.	4.7	4
2	Generalized thermoelastic-diffusion model with higher-order fractional time-derivatives and four-phase-lags. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 897-914.	4.7	38
3	Boundary Integral Equation Formulation for Fractional Order Theory of Thermo-Viscoelasticity. <i>Studies in Systems, Decision and Control</i> , 2021, , 149-168.	1.0	0
4	Fractional order theory of thermo-viscoelasticity and application. <i>Mechanics of Time-Dependent Materials</i> , 2020, 24, 179-195.	4.4	32
5	Boundary integral equation formulation for the generalized thermoviscoelasticity with one relaxation time. <i>Engineering Analysis With Boundary Elements</i> , 2019, 104, 209-214.	3.7	5
6	A Two-Dimensional Generalized Thermoelastic Diffusion Problem for a Thick Plate Subjected to Thermal Loading Due to Laser Pulse. <i>Journal of Thermal Stresses</i> , 2014, 37, 1416-1432.	2.0	29
7	A two-dimensional generalized thermoelastic diffusion problem for a half-space subjected to harmonically varying heating. <i>Acta Mechanica</i> , 2013, 224, 3057-3069.	2.1	25
8	A Thermo-mechanical Shock Problem for Generalized Theory of Thermoviscoelasticity. <i>International Journal of Thermophysics</i> , 2013, 34, 170-188.	2.1	10
9	Generalized Thermoelastic Diffusion Problem for an Infinite Medium with a Spherical Cavity. <i>International Journal of Thermophysics</i> , 2012, 33, 172-183.	2.1	18
10	Generalized Theory of Thermoviscoelasticity and a Half-Space Problem. <i>International Journal of Thermophysics</i> , 2011, 32, 1271-1295.	2.1	60
11	Generalized thermoelastic diffusion problem for an infinitely long hollow cylinder for short times. <i>Acta Mechanica</i> , 2011, 218, 205-215.	2.1	48
12	A Two-Dimensional Problem for Two Media in the Generalized Theory of Thermoelasticity. <i>Journal of Thermal Stresses</i> , 2010, 33, 993-1007.	2.0	14
13	GENERALIZED THERMOELASTIC PROBLEM FOR AN INFINITELY LONG HOLLOW CYLINDER FOR SHORT TIMES. <i>Journal of Thermal Stresses</i> , 2004, 27, 885-902.	2.0	40
14	Fractional thermoelastic diffusion problem for an infinitely long hollow cylinder using the Caputo–Fabrizio definition. <i>Journal of Thermal Stresses</i> , 0, , 1-42.	2.0	2
15	Exact solution of a 2D problem of thermoelasticity without energy dissipation for an infinitely long cylinder. <i>Mathematics and Mechanics of Solids</i> , 0, , 108128652110036.	2.4	6
16	Fractional thermoelastic diffusion problem for an infinite medium with a spherical cavity using Modified Caputo–Fabrizio’s definition. <i>Waves in Random and Complex Media</i> , 0, , 1-22.	2.7	3