

# Ahmed E Abouelregal

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8790988/ahmed-e-abouelregal-publications-by-year.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

155  
papers

1,653  
citations

23  
h-index

28  
g-index

171  
ext. papers

2,344  
ext. citations

2.2  
avg, IF

6.54  
L-index

#	Paper	IF	Citations
155	Thermoelastic vibrations of nano-beam with varying axial load and ramp type heating under the purview of Moore-Gibson-Thompson generalized theory of thermoelasticity. <i>Applied Physics A: Materials Science and Processing</i> , <b>2022</b> , 128, 1	2.6	0
154	A rigid cylinder of a thermoelastic magnetic semiconductor material based on the generalized Moore-Gibson-Thompson heat equation model. <i>Applied Physics A: Materials Science and Processing</i> , <b>2022</b> , 128, 1	2.6	0
153	Thermoelastic behavior of an isotropic solid sphere under a non-uniform heat flow according to the MGT thermoelastic model. <i>Journal of Thermal Stresses</i> , <b>2022</b> , 45, 12-29	2.2	0
152	Thermal vibration in rotating nanobeams with temperature-dependent due to exposure to laser irradiation. <i>AIMS Mathematics</i> , <b>2022</b> , 7, 6128-6152	2.2	1
151	Vibration analysis of nanobeams subjected to gradient-type heating due to a static magnetic field under the theory of nonlocal elasticity.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1894	4.9	1
150	Rotating silver nanobeam subjected to ramp-type heating and varying load via Eringen's nonlocal thermoelastic model. <i>Archive of Applied Mechanics</i> , <b>2022</b> , 92, 1127	2.2	1
149	Thermoelastic reactions in a long and thin flexible viscoelastic cylinder due to non-uniform heat flow under the non-Fourier model with fractional derivative of two different orders. <i>AIMS Mathematics</i> , <b>2022</b> , 7, 8510-8533	2.2	0
148	Thermoelastic responses in a nonlocal infinite solid with a circular cylindrical cavity due to a moving heat supply under the MGT model of thermal conductivity. <i>Physica Scripta</i> , <b>2022</b> , 97, 035705	2.6	1
147	Modeling and analysis of a thermoviscoelastic rotating micro-scale beam under pulsed laser heat supply using multiple models of thermoelasticity. <i>Thin-Walled Structures</i> , <b>2022</b> , 174, 109150	4.7	0
146	Vibrations of axially excited rotating micro-beams heated by a high-intensity laser in light of a thermo-elastic model including the memory-dependent derivative. <i>Mathematics and Computers in Simulation</i> , <b>2022</b> , 199, 81-99	3.3	0
145	Novel Analysis of Hermite-Badamard Type Integral Inequalities via Generalized Exponential Type m-Convex Functions. <i>Mathematics</i> , <b>2022</b> , 10, 31	2.3	1
144	Nonlocal magneto-thermoelastic infinite half-space due to a periodically varying heat flow under Caputo-Fabrizio fractional derivative heat equation. <i>Open Physics</i> , <b>2022</b> , 20, 274-288	1.3	0
143	Thermoelastic Plane Waves in Materials with a Microstructure Based on Micropolar Thermoelasticity with Two Temperature and Higher Order Time Derivatives. <i>Mathematics</i> , <b>2022</b> , 10, 1552	2.3	1
142	Vibrational analysis of viscous thin beams stressed by laser mechanical load using a heat transfer model with a fractional Atangana-Baleanu operator. <i>Case Studies in Thermal Engineering</i> , <b>2022</b> , 34, 102028	5.6	1
141	Thermal plane waves in unbounded non-local medium exposed to a moving heat source with a non-singular kernel and higher order time derivatives. <i>Engineering Analysis With Boundary Elements</i> , <b>2022</b> , 140, 464-475	2.6	2
140	Refinements of Ostrowski Type Integral Inequalities Involving Atangana-Baleanu Fractional Integral Operator. <i>Symmetry</i> , <b>2021</b> , 13, 2059	2.7	8
139	Thermo-Optical Mechanical Waves in a Rotating Solid Semiconductor Sphere Using the Improved Green-Naghdi III Model. <i>Mathematics</i> , <b>2021</b> , 9, 2902	2.3	3

138	Heat Transfer in Biological Spherical Tissues during Hyperthermia of Magnetoma.. <i>Biology</i> , <b>2021</b> , 10,	4.9	2
137	TEMPERATURE-DEPENDENT PHYSICAL CHARACTERISTICS OF THE ROTATING NONLOCAL NANOBAMS SUBJECT TO A VARYING HEAT SOURCE AND A DYNAMIC LOAD. <i>Facta Universitatis, Series: Mechanical Engineering</i> , <b>2021</b> , 19, 633	3.2	19
136	Advanced thermoelastic heat conduction model with two fractional parameters and phase-lags. <i>Physica Scripta</i> , <b>2021</b> , 96, 124048	2.6	1
135	Modeling photoexcited carrier interactions in a solid sphere of a semiconductor material based on the photothermal Moore-Gibson-Thompson model. <i>Applied Physics A: Materials Science and Processing</i> , <b>2021</b> , 127, 1	2.6	2
134	Higher-order time-differential heat transfer model with three-phase lag including memory-dependent derivatives. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 128, 105649	5.8	3
133	Modelling of vibrations of rotating nanoscale beams surrounded by a magnetic field and subjected to a harmonic thermal field using a state-space approach. <i>European Physical Journal Plus</i> , <b>2021</b> , 136, 1	3.1	11
132	Thermo-viscoelastic fractional model of rotating nanobeams with variable thermal conductivity due to mechanical and thermal loads. <i>Modern Physics Letters B</i> , <b>2021</b> , 35, 2150297	1.6	15
131	Thermoelastic response of non-simple solid cylinder with variable properties under a continuous line heat source. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , <b>2021</b> , 43, 1	2	1
130	Numerical Solution of the Multiterm Time-Fractional Model for Heat Conductivity by Local Meshless Technique. <i>Complexity</i> , <b>2021</b> , 2021, 1-10	1.6	2
129	Moore-Gibson-Thompson thermoelasticity model with temperature-dependent properties for thermo-viscoelastic orthotropic solid cylinder of infinite length under a temperature pulse. <i>Physica Scripta</i> , <b>2021</b> , 96, 105201	2.6	15
128	Solution of Moore-Gibson-Thompson Equation of an Unbounded Medium with a Cylindrical Hole. <i>Mathematics</i> , <b>2021</b> , 9, 1536	2.3	21
127	A Thermoelastic Piezoelectric Fixed Rod Exposed to an Axial Moving Heat Source via a Dual-Phase-Lag Model. <i>Complexity</i> , <b>2021</b> , 2021, 1-11	1.6	7
126	Photo-Thermoelastic Model with Time-Fractional of Higher Order and Phase Lags for a Semiconductor Rotating Materials. <i>Silicon</i> , <b>2021</b> , 13, 573-585	2.4	7
125	Thermodynamic modeling of viscoelastic thin rotating microbeam based on non-Fourier heat conduction. <i>Applied Mathematical Modelling</i> , <b>2021</b> , 91, 973-988	4.5	28
124	Magnetophotothermal interaction in a rotating solid cylinder of semiconductor silicone material with time dependent heat flow. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2021</b> , 42, 39-52	3.2	8
123	Thermoelastic fractional derivative model for exciting viscoelastic microbeam resting on Winkler foundation. <i>JVC/Journal of Vibration and Control</i> , <b>2021</b> , 27, 2123-2135	2	9
122	Vibration analysis of functionally graded microbeam under initial stress via a generalized thermoelastic model with dual-phase lags. <i>Archive of Applied Mechanics</i> , <b>2021</b> , 91, 2127-2142	2.2	10
121	Model of Fractional Heat Conduction in a Thermoelastic Thin Slim Strip under Thermal Shock and Temperature-Dependent Thermal Conductivity. <i>Computers, Materials and Continua</i> , <b>2021</b> , 67, 2899-2913	3.9	1

120	Generalized thermoelasticity based on higher-order memory-dependent derivative with time delay. <i>Results in Physics</i> , <b>2021</b> , 20, 103705	3.7	18
119	Boundary Element Modeling for Simulation and Optimization of Three-Temperature Anisotropic Micropolar Magneto-thermoviscoelastic Problems in Porous Smart Structures Using NURBS and Genetic Algorithm. <i>International Journal of Thermophysics</i> , <b>2021</b> , 42, 1	2.1	9
118	A new insight into the interaction of thermoelasticity with mass diffusion for a half-space in the context of Moore-Gibson-Thompson thermodiffusion theory. <i>Applied Physics A: Materials Science and Processing</i> , <b>2021</b> , 127, 1	2.6	6
117	Modified couple stress flexure mechanics of nanobeams. <i>Physica Scripta</i> , <b>2021</b> , 96, 115402	2.6	1
116	Effects of variable harmonic heat and photothermal elasticity on an infinitely long solid semiconductor cylinder. <i>Journal of the Korean Physical Society</i> , <b>2021</b> , 79, 725	0.6	
115	Generalized thermoelastic responses in an infinite solid cylinder under the thermoelastic-diffusion model with four lags. <i>Chinese Journal of Physics</i> , <b>2021</b> , 76, 121-121	3.5	3
114	Memory response on magneto-thermoelastic vibrations on a viscoelastic micro-beam exposed to a laser pulse heat source. <i>Applied Mathematical Modelling</i> , <b>2021</b> , 99, 328-345	4.5	8
113	Thermoelastic responses in rotating nanobeams with variable physical properties due to periodic pulse heating. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101443	5.6	5
112	Fractional heat conduction model with phase lags for a half-space with thermal conductivity and temperature dependent. <i>Mathematical Methods in the Applied Sciences</i> , <b>2020</b> ,	2.3	10
111	Generalized Thermoelastic Functionally Graded on a Thin Slim Strip Non-Gaussian Laser Beam. <i>Symmetry</i> , <b>2020</b> , 12, 1094	2.7	10
110	Generalized thermoelastic-diffusion model with higher-order fractional time-derivatives and four-phase-lags. <i>Mechanics Based Design of Structures and Machines</i> , <b>2020</b> , 1-18	1.7	26
109	Generalized mathematical novel model of thermoelastic diffusion with four phase lags and higher-order time derivative. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	24
108	A novel model of nonlocal thermoelasticity with time derivatives of higher order. <i>Mathematical Methods in the Applied Sciences</i> , <b>2020</b> , 43, 6746-6760	2.3	40
107	Modified Fractional Photo-Thermoelastic Model for a Rotating Semiconductor Half-Space Subjected to a Magnetic Field. <i>Silicon</i> , <b>2020</b> , 12, 2837-2850	2.4	13
106	Generalized thermoviscoelastic model with memory dependent derivatives and multi-phase delay for an excited spherical cavity. <i>Physica Scripta</i> , <b>2020</b> , 95, 115708	2.6	12
105	Response of thermoviscoelastic microbeams affected by the heating of laser pulse under thermal and magnetic fields. <i>Physica Scripta</i> , <b>2020</b> , 95, 125501	2.6	17
104	Three-phase-lag thermoelastic heat conduction model with higher-order time-fractional derivatives. <i>Indian Journal of Physics</i> , <b>2020</b> , 94, 1949-1963	1.4	24
103	Numerical study of integer-order hyperbolic telegraph model arising in physical and related sciences. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	15

102	Generalized thermoviscoelastic novel model with different fractional derivatives and multi-phase-lags. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	5
101	Analysis of a functionally graded thermopiezoelectric finite rod excited by a moving heat source. <i>Results in Physics</i> , <b>2020</b> , 19, 103389	3.7	18
100	The Size-Dependent Thermoelastic Vibrations of Nanobeams Subjected to Harmonic Excitation and Rectified Sine Wave Heating. <i>Mathematics</i> , <b>2020</b> , 8, 1128	2.3	25
99	Size-dependent thermoelastic initially stressed micro-beam due to a varying temperature in the light of the modified couple stress theory. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2020</b> , 41, 1805-1820	3.2	6
98	The Response of Nanobeams with Temperature-Dependent Properties Using State-Space Method via Modified Couple Stress Theory. <i>Symmetry</i> , <b>2020</b> , 12, 1276	2.7	29
97	Effects of nonlocal thermoelasticity on nanoscale beams based on couple stress theory. <i>Mathematical Methods in the Applied Sciences</i> , <b>2020</b> ,	2.3	24
96	A generalized heat conduction model of higher-order time derivatives and three-phase-lags for non-simple thermoelastic materials. <i>Scientific Reports</i> , <b>2020</b> , 10, 13625	4.9	6
95	Thermoelastic Processes by a Continuous Heat Source Line in an Infinite Solid via Moore-Gibson-Thompson Thermoelasticity. <i>Materials</i> , <b>2020</b> , 13,	3.5	23
94	Response of thermoelastic cylindrical cavity in a non-local infinite medium due to a varying heat source. <i>Waves in Random and Complex Media</i> , <b>2020</b> , 1-18	1.9	2
93	Functionally Graded Piezoelectric Medium Exposed to a Movable Heat Flow Based on a Heat Equation with a Memory-Dependent Derivative. <i>Materials</i> , <b>2020</b> , 13,	3.5	27
92	A Modified Law of Heat Conduction of Thermoelasticity with Fractional Derivative and Relaxation Time. <i>Journal of Molecular and Engineering Materials</i> , <b>2020</b> , 08, 2050003	1.3	6
91	Fractional viscoelastic Voigt model for initially stressed microbeams induced by ultrashort laser heat source. <i>Waves in Random and Complex Media</i> , <b>2020</b> , 30, 687-703	1.9	12
90	Dynamic characteristics of initially stressed viscoelastic microbeams induced by ultra-intense lasers. <i>Indian Journal of Physics</i> , <b>2020</b> , 94, 779-788	1.4	8
89	The effect of variable thermal conductivity on an infinite fiber-reinforced thick plate under initial stress. <i>Journal of Mechanics of Materials and Structures</i> , <b>2019</b> , 14, 277-293	1.2	10
88	On a Two-Dimensional Problem in Thermoelastic Half-Space with Microstructure Subjected to a Uniform Thermal Shock. <i>Physics of Wave Phenomena</i> , <b>2019</b> , 27, 56-66	1.2	4
87	Modified fractional thermoelasticity model with multi-relaxation times of higher order: application to spherical cavity exposed to a harmonic varying heat. <i>Waves in Random and Complex Media</i> , <b>2019</b> , 1-21	1.9	37
86	Two-temperature thermoelastic model without energy dissipation including higher order time-derivatives and two phase-lags. <i>Materials Research Express</i> , <b>2019</b> , 6, 116535	1.7	44
85	A generalized thermoelastic medium subjected to pulsed laser heating via a two-temperature model. <i>Journal of Theoretical and Applied Mechanics</i> , <b>2019</b> , 57, 631-639	1.3	10

84	Thermoviscoelastic response of an axially loaded beam under laser excitation and resting on Winkler's foundation. <i>Multidiscipline Modeling in Materials and Structures</i> , <b>2019</b> , 15, 1238-1254	2.2	2
83	Magnetoelastostatic interactions in non-simple medium with a spherical cavity due to time-harmonic varying heat. <i>Multidiscipline Modeling in Materials and Structures</i> , <b>2019</b> , 15, 932-946	2.2	3
82	A novel generalized thermoelasticity with higher-order time-derivatives and three-phase lags. <i>Multidiscipline Modeling in Materials and Structures</i> , <b>2019</b> , 16, 689-711	2.2	31
81	Thermoelastic Interactions in an Infinite Orthotropic Continuum of a Variable Thermal Conductivity with a Cylindrical Hole. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , <b>2019</b> , 43, 281-290	1.2	4
80	A two-dimensional problem of a mode-I crack in a rotating fibre-reinforced isotropic thermoelastic medium under dual-phase-lag model. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2018</b> , 43, 1	1	8
79	A three-dimensional generalized shock plate problem with four thermoviscoelastic relaxations. <i>Canadian Journal of Physics</i> , <b>2018</b> , 96, 938-954	1.1	4
78	Nonlocal thermoelastic model for temperature-dependent thermal conductivity nanobeams due to dynamic varying loads. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 1189-1199	1.7	15
77	Fractional Order Thermoelasticity for a Functionally Graded Thermoelastic Nanobeam Induced by a Sinusoidal Pulse Heating. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2018</b> , 15, 1233-1242	0.3	14
76	The effect of temperature-dependent physical properties and fractional thermoelasticity on nonlocal nanobeams. <i>Open Access Journal of Mathematical and Theoretical Physics</i> , <b>2018</b> , 1,		1
75	Response of thermoelastic microbeams to a periodic external transverse excitation based on MCS theory. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 1925-1933	1.7	13
74	Fibre-Reinforced Generalized Anisotropic Thick Plate with Initial Stress under the Influence of Fractional Thermoelasticity Theory. <i>Advances in Applied Mathematics and Mechanics</i> , <b>2017</b> , 9, 722-741	2.1	13
73	Thermoelastic Interaction in an Infinite Long Hollow Cylinder with Fractional Heat Conduction Equation. <i>Advances in Applied Mathematics and Mechanics</i> , <b>2017</b> , 9, 378-392	2.1	0
72	Dynamic response of a nanobeam induced by ramp-type heating and subjected to a moving load. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 5911-5920	1.7	10
71	Magnetoelastostatic analysis for an infinite solid cylinder with variable thermal conductivity due to harmonically varying heat. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 5635-5644	1.7	3
70	The effect of pulsed laser radiation on a thermoviscoelastic semi-infinite solid under two-temperature theory. <i>Archives of Thermodynamics</i> , <b>2017</b> , 38, 77-99		9
69	Laser Pulse Heating of a Semi-Infinite Solid Based on a Two-Temperature Theory with Temperature Dependence. <i>Journal of Molecular and Engineering Materials</i> , <b>2017</b> , 05, 1750008	1.3	3
68	Thermoelastic Interactions in a Rotating Infinite Orthotropic Elastic Body with a Cylindrical Hole and Variable Thermal Conductivity. <i>Archive of Mechanical Engineering</i> , <b>2017</b> , 64, 481-498		2
67	Thermoviscoelastic Vibrations of a Micro-Scale Beam Subjected to Sinusoidal Pulse Heating. <i>International Journal of Acoustics and Vibrations</i> , <b>2017</b> , 22,		3



66	Effect of ramp-type heating on the vibration of functionally graded microbeams without energy dissipation. <i>Mechanics of Advanced Materials and Structures</i> , <b>2016</b> , 23, 529-537	1.8	11
65	Nonlinear effects of thermo-sensitive nanobeams via a nonlocal thermoelasticity model with relaxation time. <i>Microsystem Technologies</i> , <b>2016</b> , 22, 2407-2415	1.7	8
64	Thermoelastic Analysis for an Infinite Solid Cylinder Due to Harmonically Varying Heat with Thermal Conductivity Variable. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2016</b> , 13, 4493-4500	0.3	3
63	Non-simple magnetothermoelastic solid cylinder with variable thermal conductivity due to harmonically varying heat. <i>Earthquake and Structures</i> , <b>2016</b> , 10, 681-697		4
62	Two-temperature dual-phase-lags theory in a thermoelastic solid half-space due to an inclined load. <i>Mechanical Sciences</i> , <b>2016</b> , 7, 179-187	1.3	
61	Fractional heat conduction equation for an infinitely generalized, thermoelastic, long solid cylinder. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , <b>2016</b> , 17, 374-381 <sup>0.7</sup>	0.7	7
60	State space approach for the vibration of nanobeams based on the nonlocal thermoelasticity theory without energy dissipation. <i>Journal of Mechanical Science and Technology</i> , <b>2015</b> , 29, 2921-2931	1.6	20
59	Nonlocal Thermoelasticity Theory for Thermal-Shock Nanobeams with Temperature-Dependent Thermal Conductivity. <i>Journal of Thermal Stresses</i> , <b>2015</b> , 38, 1049-1067	2.2	13
58	Fractional Order Thermoelasticity Theory for a Half-Space Subjected to an Axisymmetric Heat Distribution. <i>Mechanics of Advanced Materials and Structures</i> , <b>2015</b> , 22, 925-932	1.8	15
57	Vibrational Analysis for an Axially Moving Microbeam with Two Temperatures. <i>Journal of Thermal Stresses</i> , <b>2015</b> , 38, 569-590	2.2	20
56	Investigation of the Vibration of Micro-Beam Resonators Induced by a Harmonically Varying Heat. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2015</b> , 12, 924-933	0.3	4
55	Study of the Dual Phase Lag Model of Thermoelasticity for a Half-Space Problem with Rigidly Fixed Surface in the Presence of a Thermal Shock. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2015</b> , 12, 38-45	0.3	7
54	The Nonlocal Dual Phase Lag Model of a Thermoelastic Nanobeam Subjected to a Sinusoidal Pulse Heating. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , <b>2015</b> , 16, 44-52	0.7	8
53	Generalized thermoelastic vibration of a microbeam with an axial force. <i>Microsystem Technologies</i> , <b>2015</b> , 21, 1427-1435	1.7	20
52	Nonlocal thermoelastic nanobeam subjected to a sinusoidal pulse heating and temperature-dependent physical properties. <i>Microsystem Technologies</i> , <b>2015</b> , 21, 1767-1776	1.7	28
51	Generalized magneto-thermoviscoelasticity in a perfectly conducting thermodiffusive medium with a spherical cavity. <i>Journal of Earth System Science</i> , <b>2015</b> , 124, 1709-1719	1.8	4
50	Effect of temperature dependency on constrained orthotropic unbounded body with a cylindrical cavity due to pulse heat flux. <i>Journal of Thermal Science and Technology</i> , <b>2015</b> , 10, JTST0019-JTST0019	0.6	19
49	Thermoelastic Vibration of an Axially Moving Microbeam Subjected to Sinusoidal Pulse Heating. <i>International Journal of Structural Stability and Dynamics</i> , <b>2015</b> , 15, 1450081	1.9	13

48	Thermoelastic interaction in functionally graded nanobeams subjected to time-dependent heat flux. <i>Steel and Composite Structures</i> , <b>2015</b> , 18, 909-924		9
47	Generalized Thermoelastic Vibration of an Axially Moving Clamped Microbeam Subjected to Ramp-Type Thermal Loading. <i>Journal of Thermal Stresses</i> , <b>2014</b> , 37, 1302-1323	2.2	18
46	A refined nonlocal thermoelasticity theory for the vibration of nanobeams induced by ramp-type heating. <i>Applied Mathematics and Computation</i> , <b>2014</b> , 248, 169-183	2.7	20
45	Effect of harmonically varying heat on FG nanobeams in the context of a nonlocal two-temperature thermoelasticity theory. <i>European Journal of Computational Mechanics</i> , <b>2014</b> , 23, 1-14	0.5	18
44	Vibration of FG nanobeams induced by sinusoidal pulse-heating via a nonlocal thermoelastic model. <i>Acta Mechanica</i> , <b>2014</b> , 225, 3409-3421	2.1	40
43	Dual-Phase-Lag Diffusion Model for Thomson's Phenomenon on Electromagneto-thermoelastic an Infinitely Long Solid Cylinder. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2014</b> , 11, 1031-1039 <sup>0.3</sup>		19
42	The Thermoelastic Waves Induced by Pulsed Laser and Varying Heat of Inhomogeneous Microscale Beam Resonators. <i>Journal of Thermal Stresses</i> , <b>2014</b> , 37, 455-470	2.2	14
41	State-space approach for an infinite medium with a spherical cavity based upon two-temperature generalized thermoelasticity theory and fractional heat conduction. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , <b>2014</b> , 65, 149-164	1.6	24
40	The effect of two temperatures on a FG nanobeam induced by a sinusoidal pulse heating. <i>Structural Engineering and Mechanics</i> , <b>2014</b> , 51, 199-214		24
39	On the Generalized Thermoelasticity Problem for an Infinite Fibre-Reinforced Thick Plate under Initial Stress. <i>Advances in Applied Mathematics and Mechanics</i> , <b>2014</b> , 6, 783-796	2.1	2
38	Generalized thermoelastic infinite transversely isotropic body with a cylindrical cavity due to moving heat source and harmonically varying heat. <i>Meccanica</i> , <b>2013</b> , 48, 1731-1745	2.1	15
37	The effect of dual-phase-lag model on reflection of thermoelastic waves in a solid half space with variable material properties. <i>Acta Mechanica Solida Sinica</i> , <b>2013</b> , 26, 659-670	2	30
36	The effect of fractional thermoelasticity on a two-dimensional problem of a mode I crack in a rotating fiber-reinforced thermoelastic medium. <i>Chinese Physics B</i> , <b>2013</b> , 22, 108102	1.2	20
35	Dual Phase Lag Model on Magneto-Thermoelasticity Infinite Non-Homogeneous Solid Having a Spherical Cavity. <i>Journal of Thermal Stresses</i> , <b>2012</b> , 35, 820-841	2.2	32
34	Generalized thermodiffusion for an unbounded body with a spherical cavity subjected to periodic loading. <i>Journal of Mechanical Science and Technology</i> , <b>2012</b> , 26, 749-757	1.6	8
33	Fractional Order Generalized Thermo-Piezoelectric Semi-Infinite Medium with Temperature-Dependent Properties Subjected to a Ramp-Type Heating. <i>Journal of Thermal Stresses</i> , <b>2011</b> , 34, 1139-1155	2.2	37
32	The Reflection of Magneto-Thermoelastic P and SV Waves at a Solid Half Space Using Dual-Phase-Lag Model. <i>Advances in Applied Mathematics and Mechanics</i> , <b>2011</b> , 3, 745-758	2.1	1
31	A Problem of a Semi-Infinite Medium Subjected to Exponential Heating Using a Dual-Phase-Lag Thermoelastic Model. <i>Applied Mathematics</i> , <b>2011</b> , 02, 619-624	0.4	10



30	Rayleigh waves in a thermoelastic solid half space using dual-phase-lag model. <i>International Journal of Engineering Science</i> , <b>2011</b> , 49, 781-791	5.7	39
29	Generalized Thermoelasticity for an Isotropic Solid Sphere Indual-Phase-Lag of Heat Transfer with Surface Heat Flux. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , <b>2011</b> , 12, 96-105	0.7	12
28	Magneto-thermoelasticity for an infinite body with a spherical cavity and variable material properties without energy dissipation. <i>International Journal of Solids and Structures</i> , <b>2010</b> , 47, 2631-2638 <sup>3.1</sup>	3.1	41
27	Electromagneto-thermoelastic problem in a thick plate using Green and Naghdi theory. <i>International Journal of Engineering Science</i> , <b>2009</b> , 47, 680-690	5.7	27
26	Electromagneto-Thermoelastic Plane Waves without Energy Dissipation for an Infinitely Long Annular Cylinder in a Harmonic Field. <i>Journal of Thermal Stresses</i> , <b>2007</b> , 30, 195-210	2.2	5
25	THERMAL STRESSES IN A HARMONIC FIELD FOR AN INFINITE BODY WITH A CIRCULAR CYLINDRICAL HOLE WITHOUT ENERGY DISSIPATION. <i>Journal of Thermal Stresses</i> , <b>2002</b> , 25, 57-67	2.2	17
24	Viscoelastic initially stressed microbeam heated by an intense pulse laser via photo-thermoelasticity with two-phase lag. <i>International Journal of Modern Physics C</i> ,	1.1	3
23	Vibrational behavior of thermoelastic rotating nanobeams with variable thermal properties based on memory-dependent derivative of heat conduction model. <i>Archive of Applied Mechanics</i> ,1	2.2	1
22	A new heat conduction model for viscoelastic micro beams considering the magnetic field and thermal effects. <i>Waves in Random and Complex Media</i> ,1-30	1.9	0
21	Thermoelastic problem of an axially moving microbeam subjected to an external transverse excitation. <i>Journal of Theoretical and Applied Mechanics</i> ,167	1.3	12
20	Generalized thermoelastic interactions due to an inclined load at a two-temperature half-space. <i>Journal of Theoretical and Applied Mechanics</i> ,827	1.3	2
19	Thermoelastic response of nanobeam resonators subjected to exponential decaying time varying load. <i>Journal of Theoretical and Applied Mechanics</i> ,937	1.3	14
18	Nonlocalized thermal behavior of rotating micromachined beams under dynamic and thermodynamic loads. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> ,e202100310	1	2
17	Analysis of a magneto-thermoelastic problem in a piezoelectric medium using the non-local memory-dependent heat conduction theory involving three phase lags. <i>Mechanics of Time-Dependent Materials</i> ,1	1.2	8
16	Computational analysis of an infinite magneto-thermoelastic solid periodically dispersed with varying heat flow based on non-local Moore-Gibson-Thompson approach. <i>Continuum Mechanics and Thermodynamics</i> ,1	3.5	15
15	Simulation-based assessment of coupled frequency response of magneto-electro-elastic auxetic multifunctional structures subjected to various electromagnetic circuits. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> ,146442072110219	1.3	4
14	The Effect of Excess Carrier on a Semiconducting Semi-Infinite Medium Subject to a Normal Force by Means of Green and Naghdi Approach. <i>Silicon</i> ,1	2.4	3
13	Thermomagnetic modeling of a nonlocal viscoelastic half-space exposed to an internal heat source through a two-phase delay model. <i>Waves in Random and Complex Media</i> ,1-22	1.9	0

12	Modified Moore-Gibson-Thompson photo-thermoelastic model for a rotating semiconductor half-space subjected to a magnetic field. <i>International Journal of Modern Physics C</i> ,2150163	1.1	8
11	A rotational gravitational stressed and voids effect on an electromagnetic photothermal semiconductor medium under three models of thermoelasticity. <i>Mechanics Based Design of Structures and Machines</i> ,1-27	1.7	3
10	Thermo-viscoelastic properties in a non-simple three-dimensional material based on fractional derivative Kelvin-Voigt model. <i>Indian Journal of Physics</i> ,1	1.4	5
9	An advanced model of thermoelasticity with higher-order memory-dependent derivatives and dual time-delay factors. <i>Waves in Random and Complex Media</i> ,1-22	1.9	6
8	Memory and dynamic response of a thermoelastic functionally graded nanobeams due to a periodic heat flux. <i>Mechanics Based Design of Structures and Machines</i> ,1-23	1.7	7
7	Viscoelastic stressed microbeam analysis based on Moore-Gibson-Thompson heat equation and laser excitation resting on Winkler foundation. <i>Journal of Low Frequency Noise Vibration and Active Control</i> ,146134842110403	1.5	5
6	Fractional derivative Moore-Gibson-Thompson heat equation without singular kernel for a thermoelastic medium with a cylindrical hole and variable properties. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> ,e202000327	1	1
5	Thermo-viscoelastic behavior in an infinitely thin orthotropic hollow cylinder with variable properties under the non-Fourier MGT thermoelastic model. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> ,e202000344	1	3
4	Thermomagnetic behavior of a nonlocal finite elastic rod heated by a moving heat source via a fractional derivative heat equation with a non-singular kernel. <i>Waves in Random and Complex Media</i> ,1-21 <sup>1.9</sup>	1.9	1
3	Fractional viscoelastic model with a non-singular kernel for a rotating semiconductor circular cylinder permeated by a magnetic field and due to heat flow pulse heating. <i>Waves in Random and Complex Media</i> ,1-36	1.9	0
2	Light absorption process in a semiconductor infinite body with a cylindrical cavity via a novel photo-thermoelastic MGT model. <i>Archive of Applied Mechanics</i> ,1	2.2	0
1	Magneto-thermoelastic behaviour of a finite viscoelastic rotating rod by incorporating Eringen's theory and heat equation including Caputo-Fabrizio fractional derivative. <i>Engineering With Computers</i> ,1	4.5	1