

Ahmed E Abouelregal

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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	Two-temperature thermoelastic model without energy dissipation including higher order time-derivatives and two phase-lags. <i>Materials Research Express</i> , 2019 , 6, 116535	1.7	44
154	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> , 2010 , 47, 2631-2638 ^{3,1}		41
153	A novel model of nonlocal thermoelasticity with time derivatives of higher order. <i>Mathematical Methods in the Applied Sciences</i> , 2020 , 43, 6746-6760	2.3	40
152	Vibration of FG nanobeams induced by sinusoidal pulse-heating via a nonlocal thermoelastic model. <i>Acta Mechanica</i> , 2014 , 225, 3409-3421	2.1	40
151	Rayleigh waves in a thermoelastic solid half space using dual-phase-lag model. <i>International Journal of Engineering Science</i> , 2011 , 49, 781-791	5.7	39
150	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> , 2019 , 1-21 ^{1,9}	1.9	37
149	Fractional Order Generalized Thermo-Piezoelectric Semi-Infinite Medium with Temperature-Dependent Properties Subjected to a Ramp-Type Heating. <i>Journal of Thermal Stresses</i> , 2011 , 34, 1139-1155	2.2	37
148	Dual Phase Lag Model on Magneto-Thermoelasticity Infinite Non-Homogeneous Solid Having a Spherical Cavity. <i>Journal of Thermal Stresses</i> , 2012 , 35, 820-841	2.2	32
147	A novel generalized thermoelasticity with higher-order time-derivatives and three-phase lags. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019 , 16, 689-711	2.2	31
146	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> , 2013 , 26, 659-670	2	30
145	The Response of Nanobeams with Temperature-Dependent Properties Using State-Space Method via Modified Couple Stress Theory. <i>Symmetry</i> , 2020 , 12, 1276	2.7	29
144	Nonlocal thermoelastic nanobeam subjected to a sinusoidal pulse heating and temperature-dependent physical properties. <i>Microsystem Technologies</i> , 2015 , 21, 1767-1776	1.7	28
143	Thermodynamic modeling of viscoelastic thin rotating microbeam based on non-Fourier heat conduction. <i>Applied Mathematical Modelling</i> , 2021 , 91, 973-988	4.5	28
142	Electromagneto-thermoelastic problem in a thick plate using Green and Naghdi theory. <i>International Journal of Engineering Science</i> , 2009 , 47, 680-690	5.7	27
141	Functionally Graded Piezoelectric Medium Exposed to a Movable Heat Flow Based on a Heat Equation with a Memory-Dependent Derivative. <i>Materials</i> , 2020 , 13,	3.5	27
140	Generalized thermoelastic-diffusion model with higher-order fractional time-derivatives and four-phase-lags. <i>Mechanics Based Design of Structures and Machines</i> , 2020 , 1-18	1.7	26
139	The Size-Dependent Thermoelastic Vibrations of Nanobeams Subjected to Harmonic Excitation and Rectified Sine Wave Heating. <i>Mathematics</i> , 2020 , 8, 1128	2.3	25

138	Generalized mathematical novel model of thermoelastic diffusion with four phase lags and higher-order time derivative. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	24
137	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> , 2014 , 65, 149-164	1.6	24
136	The effect of two temperatures on a FG nanobeam induced by a sinusoidal pulse heating. <i>Structural Engineering and Mechanics</i> , 2014 , 51, 199-214		24
135	Three-phase-lag thermoelastic heat conduction model with higher-order time-fractional derivatives. <i>Indian Journal of Physics</i> , 2020 , 94, 1949-1963	1.4	24
134	Effects of nonlocal thermoelasticity on nanoscale beams based on couple stress theory. <i>Mathematical Methods in the Applied Sciences</i> , 2020 ,	2.3	24
133	Thermoelastic Processes by a Continuous Heat Source Line in an Infinite Solid via Moore-Gibson-Thompson Thermoelasticity. <i>Materials</i> , 2020 , 13,	3.5	23
132	Solution of Moore-Gibson-Thompson Equation of an Unbounded Medium with a Cylindrical Hole. <i>Mathematics</i> , 2021 , 9, 1536	2.3	21
131	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> , 2015 , 29, 2921-2931	1.6	20
130	Vibrational Analysis for an Axially Moving Microbeam with Two Temperatures. <i>Journal of Thermal Stresses</i> , 2015 , 38, 569-590	2.2	20
129	Generalized thermoelastic vibration of a microbeam with an axial force. <i>Microsystem Technologies</i> , 2015 , 21, 1427-1435	1.7	20
128	A refined nonlocal thermoelasticity theory for the vibration of nanobeams induced by ramp-type heating. <i>Applied Mathematics and Computation</i> , 2014 , 248, 169-183	2.7	20
127	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> , 2013 , 22, 108102	1.2	20
126	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> , 2015 , 10, JTST0019-JTST0019	0.6	19
125	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> , 2014 , 11, 1031-1039	0.3	19
124	TEMPERATURE-DEPENDENT PHYSICAL CHARACTERISTICS OF THE ROTATING NONLOCAL NANOBEAMS SUBJECT TO A VARYING HEAT SOURCE AND A DYNAMIC LOAD. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2021 , 19, 633	3.2	19
123	Generalized Thermoelastic Vibration of an Axially Moving Clamped Microbeam Subjected to Ramp-Type Thermal Loading. <i>Journal of Thermal Stresses</i> , 2014 , 37, 1302-1323	2.2	18
122	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> , 2014 , 23, 1-14	0.5	18
121	Analysis of a functionally graded thermopiezoelectric finite rod excited by a moving heat source. <i>Results in Physics</i> , 2020 , 19, 103389	3.7	18

120	Generalized thermoelasticity based on higher-order memory-dependent derivative with time delay. <i>Results in Physics</i> , 2021 , 20, 103705	3.7	18
119	THERMAL STRESSES IN A HARMONIC FIELD FOR AN INFINITE BODY WITH A CIRCULAR CYLINDRICAL HOLE WITHOUT ENERGY DISSIPATION. <i>Journal of Thermal Stresses</i> , 2002 , 25, 57-67	2.2	17
118	Response of thermoviscoelastic microbeams affected by the heating of laser pulse under thermal and magnetic fields. <i>Physica Scripta</i> , 2020 , 95, 125501	2.6	17
117	Fractional Order Thermoelasticity Theory for a Half-Space Subjected to an Axisymmetric Heat Distribution. <i>Mechanics of Advanced Materials and Structures</i> , 2015 , 22, 925-932	1.8	15
116	Nonlocal thermoelastic model for temperature-dependent thermal conductivity nanobeams due to dynamic varying loads. <i>Microsystem Technologies</i> , 2018 , 24, 1189-1199	1.7	15
115	Generalized thermoelastic infinite transversely isotropic body with a cylindrical cavity due to moving heat source and harmonically varying heat. <i>Meccanica</i> , 2013 , 48, 1731-1745	2.1	15
114	Numerical study of integer-order hyperbolic telegraph model arising in physical and related sciences. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	15
113	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
112	Thermo-viscoelastic fractional model of rotating nanobeams with variable thermal conductivity due to mechanical and thermal loads. <i>Modern Physics Letters B</i> , 2021 , 35, 2150297	1.6	15
111	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> , 2021 , 96, 105201	2.6	15
110	Fractional Order Thermoelasticity for a Functionally Graded Thermoelastic Nanobeam Induced by a Sinusoidal Pulse Heating. <i>Journal of Computational and Theoretical Nanoscience</i> , 2018 , 15, 1233-1242	0.3	14
109	The Thermoelastic Waves Induced by Pulsed Laser and Varying Heat of Inhomogeneous Microscale Beam Resonators. <i>Journal of Thermal Stresses</i> , 2014 , 37, 455-470	2.2	14
108	Thermoelastic response of nanobeam resonators subjected to exponential decaying time varying load. <i>Journal of Theoretical and Applied Mechanics</i> , 937	1.3	14
107	Fibre-Reinforced Generalized Anisotropic Thick Plate with Initial Stress under the Influence of Fractional Thermoelasticity Theory. <i>Advances in Applied Mathematics and Mechanics</i> , 2017 , 9, 722-741	2.1	13
106	Nonlocal Thermoelasticity Theory for Thermal-Shock Nanobeams with Temperature-Dependent Thermal Conductivity. <i>Journal of Thermal Stresses</i> , 2015 , 38, 1049-1067	2.2	13
105	Thermoelastic Vibration of an Axially Moving Microbeam Subjected to Sinusoidal Pulse Heating. <i>International Journal of Structural Stability and Dynamics</i> , 2015 , 15, 1450081	1.9	13
104	Modified Fractional Photo-Thermoelastic Model for a Rotating Semiconductor Half-Space Subjected to a Magnetic Field. <i>Silicon</i> , 2020 , 12, 2837-2850	2.4	13
103	Response of thermoelastic microbeams to a periodic external transverse excitation based on MCS theory. <i>Microsystem Technologies</i> , 2018 , 24, 1925-1933	1.7	13

102	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> , 2011 , 12, 96-105	0.7	12
101	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
100	Generalized thermoviscoelastic model with memory dependent derivatives and multi-phase delay for an excited spherical cavity. <i>Physica Scripta</i> , 2020 , 95, 115708	2.6	12
99	Fractional viscoelastic Voigt model for initially stressed microbeams induced by ultrashort laser heat source. <i>Waves in Random and Complex Media</i> , 2020 , 30, 687-703	1.9	12
98	Effect of ramp-type heating on the vibration of functionally graded microbeams without energy dissipation. <i>Mechanics of Advanced Materials and Structures</i> , 2016 , 23, 529-537	1.8	11
97	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> , 2021 , 136, 1	3.1	11
96	Dynamic response of a nanobeam induced by ramp-type heating and subjected to a moving load. <i>Microsystem Technologies</i> , 2017 , 23, 5911-5920	1.7	10
95	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> , 2019 , 14, 277-293	1.2	10
94	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> , 2020 ,	2.3	10
93	Generalized Thermoelastic Functionally Graded on a Thin Slim Strip Non-Gaussian Laser Beam. <i>Symmetry</i> , 2020 , 12, 1094	2.7	10
92	A Problem of a Semi-Infinite Medium Subjected to Exponential Heating Using a Dual-Phase-Lag Thermoelastic Model. <i>Applied Mathematics</i> , 2011 , 02, 619-624	0.4	10
91	A generalized thermoelastic medium subjected to pulsed laser heating via a two-temperature model. <i>Journal of Theoretical and Applied Mechanics</i> , 2019 , 57, 631-639	1.3	10
90	Vibration analysis of functionally graded microbeam under initial stress via a generalized thermoelastic model with dual-phase lags. <i>Archive of Applied Mechanics</i> , 2021 , 91, 2127-2142	2.2	10
89	The effect of pulsed laser radiation on a thermoviscoelastic semi-infinite solid under two-temperature theory. <i>Archives of Thermodynamics</i> , 2017 , 38, 77-99		9
88	Thermoelastic interaction in functionally graded nanobeams subjected to time-dependent heat flux. <i>Steel and Composite Structures</i> , 2015 , 18, 909-924		9
87	Thermoelastic fractional derivative model for exciting viscoelastic microbeam resting on Winkler foundation. <i>JVC/Journal of Vibration and Control</i> , 2021 , 27, 2123-2135	2	9
86	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> , 2021 , 42, 1	2.1	9
85	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> , 2015 , 16, 44-52	0.7	8

84	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> , 2018 , 43, 1	1	8
83	Nonlinear effects of thermo-sensitive nanobeams via a nonlocal thermoelasticity model with relaxation time. <i>Microsystem Technologies</i> , 2016 , 22, 2407-2415	1.7	8
82	Generalized thermodiffusion for an unbounded body with a spherical cavity subjected to periodic loading. <i>Journal of Mechanical Science and Technology</i> , 2012 , 26, 749-757	1.6	8
81	Refinements of Ostrowski Type Integral Inequalities Involving AtanganaBaleanu Fractional Integral Operator. <i>Symmetry</i> , 2021 , 13, 2059	2.7	8
80	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
79	Modified Moore-Tibson-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
78	Dynamic characteristics of initially stressed viscoelastic microbeams induced by ultra-intense lasers. <i>Indian Journal of Physics</i> , 2020 , 94, 779-788	1.4	8
77	Magnetophothermal interaction in a rotating solid cylinder of semiconductor silicone material with time dependent heat flow. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021 , 42, 39-52	3.2	8
76	Memory response on magneto-thermoelastic vibrations on a viscoelastic micro-beam exposed to a laser pulse heat source. <i>Applied Mathematical Modelling</i> , 2021 , 99, 328-345	4.5	8
75	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> , 2015 , 12, 38-45	0.3	7
74	A Thermoelastic Piezoelectric Fixed Rod Exposed to an Axial Moving Heat Source via a Dual-Phase-Lag Model. <i>Complexity</i> , 2021 , 2021, 1-11	1.6	7
73	Fractional heat conduction equation for an infinitely generalized, thermoelastic, long solid cylinder. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2016 , 17, 374-381	0.7	7
72	Photo-Thermoelastic Model with Time-Fractional of Higher Order and Phase Lags for a Semiconductor Rotating Materials. <i>Silicon</i> , 2021 , 13, 573-585	2.4	7
71	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
70	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> , 2020 , 41, 1805-1820	3.2	6
69	A generalized heat conduction model of higher-order time derivatives and three-phase-lags for non-simple thermoelastic materials. <i>Scientific Reports</i> , 2020 , 10, 13625	4.9	6
68	A Modified Law of Heat Conduction of Thermoelasticity with Fractional Derivative and Relaxation Time. <i>Journal of Molecular and Engineering Materials</i> , 2020 , 08, 2050003	1.3	6
67	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

66	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> , 2021 , 127, 1	2.6	6
65	Electromagneto-Thermoelastic Plane Waves without Energy Dissipation for an Infinitely Long Annular Cylinder in a Harmonic Field. <i>Journal of Thermal Stresses</i> , 2007 , 30, 195-210	2.2	5
64	Generalized thermoviscoelastic novel model with different fractional derivatives and multi-phase-lags. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	5
63	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
62	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
61	Thermoelastic responses in rotating nanobeams with variable physical properties due to periodic pulse heating. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101443	5.6	5
60	On a Two-Dimensional Problem in Thermoelastic Half-Space with Microstructure Subjected to a Uniform Thermal Shock. <i>Physics of Wave Phenomena</i> , 2019 , 27, 56-66	1.2	4
59	Investigation of the Vibration of Micro-Beam Resonators Induced by a Harmonically Varying Heat. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015 , 12, 924-933	0.3	4
58	A three-dimensional generalized shock plate problem with four thermoviscoelastic relaxations. <i>Canadian Journal of Physics</i> , 2018 , 96, 938-954	1.1	4
57	Generalized magneto-thermoviscoelasticity in a perfectly conducting thermodiffusive medium with a spherical cavity. <i>Journal of Earth System Science</i> , 2015 , 124, 1709-1719	1.8	4
56	Non-simple magnetothermoelastic solid cylinder with variable thermal conductivity due to harmonically varying heat. <i>Earthquake and Structures</i> , 2016 , 10, 681-697		4
55	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
54	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> , 2019 , 43, 281-290	1.2	4
53	Magnetothermoelastic analysis for an infinite solid cylinder with variable thermal conductivity due to harmonically varying heat. <i>Microsystem Technologies</i> , 2017 , 23, 5635-5644	1.7	3
52	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> , 2017 , 05, 1750008	1.3	3
51	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
50	Thermoelastic Analysis for an Infinite Solid Cylinder Due to Harmonically Varying Heat with Thermal Conductivity Variable. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016 , 13, 4493-4500	0.3	3
49	Thermo-Optical Mechanical Waves in a Rotating Solid Semiconductor Sphere Using the Improved Green-Naghdi III Model. <i>Mathematics</i> , 2021 , 9, 2902	2.3	3

48	Thermoviscoelastic Vibrations of a Micro-Scale Beam Subjected to Sinusoidal Pulse Heating. <i>International Journal of Acoustics and Vibrations</i> , 2017 , 22,		3
47	Higher-order time-differential heat transfer model with three-phase lag including memory-dependent derivatives. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 128, 105649	5.8	3
46	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
45	Magnetoelastostatic interactions in non-simple medium with a spherical cavity due to time-harmonic varying heat. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019 , 15, 932-946	2.2	3
44	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
43	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
42	Generalized thermoelastic responses in an infinite solid cylinder under the thermoelastic-diffusion model with four lags. <i>Chinese Journal of Physics</i> , 2021 , 76, 121-121	3.5	3
41	Thermoelastic Interactions in a Rotating Infinite Orthotropic Elastic Body with a Cylindrical Hole and Variable Thermal Conductivity. <i>Archive of Mechanical Engineering</i> , 2017 , 64, 481-498		2
40	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
39	Heat Transfer in Biological Spherical Tissues during Hyperthermia of Magnetoma.. <i>Biology</i> , 2021 , 10,	4.9	2
38	Nonlocalized thermal behavior of rotating micromachined beams under dynamic and thermodynamic loads. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> ,e202100310	1	2
37	On the Generalized Thermoelasticity Problem for an Infinite Fibre-Reinforced Thick Plate under Initial Stress. <i>Advances in Applied Mathematics and Mechanics</i> , 2014 , 6, 783-796	2.1	2
36	Modeling photoexcited carrier interactions in a solid sphere of a semiconductor material based on the photothermal MooreGibsonThompson model. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	2
35	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> , 2020 , 1-18	1.9	2
34	Numerical Solution of the Multiterm Time-Fractional Model for Heat Conductivity by Local Meshless Technique. <i>Complexity</i> , 2021 , 2021, 1-10	1.6	2
33	Thermoviscoelastic response of an axially loaded beam under laser excitation and resting on Winkler foundation. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019 , 15, 1238-1254	2.2	2
32	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> , 2022 , 140, 464-475	2.6	2
31	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> , 2011 , 3, 745-758	2.1	1

30	Thermal vibration in rotating nanobeams with temperature-dependent due to exposure to laser irradiation. <i>AIMS Mathematics</i> , 2022 , 7, 6128-6152	2.2	1
29	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> , 2022 , 12, 1894	4.9	1
28	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
27	The effect of temperature-dependent physical properties and fractional thermoelasticity on nonlocal nanobeams. <i>Open Access Journal of Mathematical and Theoretical Physics</i> , 2018 , 1,		1
26	Rotating silver nanobeam subjected to ramp-type heating and varying load via Eringen's nonlocal thermoelastic model. <i>Archive of Applied Mechanics</i> , 2022 , 92, 1127	2.2	1
25	Advanced thermoelastic heat conduction model with two fractional parameters and phase-lags. <i>Physica Scripta</i> , 2021 , 96, 124048	2.6	1
24	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> , 2021 , 43, 1	2	1
23	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> , 2021 , 67, 2899-2913 ^{3,9}		1
22	Modified couple stress flexure mechanics of nanobeams. <i>Physica Scripta</i> , 2021 , 96, 115402	2.6	1
21	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
20	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 ^{1,9}		1
19	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> , 2022 , 97, 035705	2.6	1
18	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
17	Novel Analysis of Hermite-Bladamard Type Integral Inequalities via Generalized Exponential Type m-Convex Functions. <i>Mathematics</i> , 2022 , 10, 31	2.3	1
16	Thermoelastic Plane Waves in Materials with a Microstructure Based on Micropolar Thermoelasticity with Two Temperature and Higher Order Time Derivatives. <i>Mathematics</i> , 2022 , 10, 1552 ^{2,3}		1
15	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> , 2022 , 34, 102028 ^{5,6}		1
14	Thermoelastic Interaction in an Infinite Long Hollow Cylinder with Fractional Heat Conduction Equation. <i>Advances in Applied Mathematics and Mechanics</i> , 2017 , 9, 378-392	2.1	0
13	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> , 2022 , 128, 1	2.6	0

12	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> , 2022 , 128, 1	2.6	○
11	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> , 2022 , 45, 12-29	2.2	○
10	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	○
9	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	○
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4	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> , 2022 , 199, 81-99	3.3	○
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