Ibrahim A Abbas

List of Publications by Citations

200 papers	3,937 citations	41 h-index	54 g-index
216 ext. papers	4,692 ext. citations	2 avg, IF	6.87 L-index

#	Paper	IF	Citations
200	Two-Temperature Generalized Thermoelastic Interaction in an Infinite Fiber-Reinforced Anisotropic Plate Containing a Circular Cavity with Two Relaxation Times. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 1-7	0.3	137
199	Exponential stability of Markovian jumping Cohen–Grossberg neural networks with mixed mode-dependent time-delays. *Neurocomputing*, **2016**, 177, 409-415	5.4	111
198	A Dual Phase Lag Model on Thermoelastic Interaction in an Infinite Fiber-Reinforced Anisotropic Medium with a Circular Hole. *Mechanics Based Design of Structures and Machines*, **2015**, 43, 501-513	1.7	105
197	Eigenvalue approach for an unbounded medium with a spherical cavity based upon two-temperature generalized thermoelastic theory. *Journal of Mechanical Science and Technology*, **2014**, 28, 4193-4198	1.6	92
196	Two-temperature generalized thermoelasticity under ramp-type heating by finite element method. *Meccanica*, **2013**, 48, 331-339	2.1	88
195	Analytical solution of thermoelastic interaction in a half-space by pulsed laser heating. *Physica E: Low-Dimensional Systems and Nanostructures*, **2017**, 87, 254-260	3	87
194	Eigenvalue approach in a three-dimensional generalized thermoelastic interactions with temperature-dependent material properties. *Computers and Mathematics With Applications*, **2014**, 68, 2036-2056	2.7	83
193	Interaction of magnetic field in flow of Maxwell nanofluid with convective effect. *Journal of Magnetism and Magnetic Materials*, **2015**, 389, 48-55	2.8	82
192	A Nonlinear Generalized Thermoelasticity Model of Temperature-Dependent Materials Using Finite Element Method. *International Journal of Thermophysics*, **2012**, 33, 1302-1313	2.1	80
191	A GL Model on Thermo-Elastic Interaction in a Poroelastic Material Using Finite Element Method. *Symmetry*, **2020**, 12, 488	2.7	77
190	LS model on electro–magneto–thermoelastic response of an infinite functionally graded cylinder. *Composite Structures*, **2013**, 96, 89-96	5.3	72
189	Eigenvalue approach to fractional order generalized magneto-thermoelastic medium subjected to moving heat source. *Journal of Magnetism and Magnetic Materials*, **2015**, 377, 452-459	2.8	71
188	Nonlinear transient thermal stress analysis of thick-walled FGM cylinder with temperature-dependent material properties. *Meccanica*, **2014**, 49, 1697-1708	2.1	65
187	Generalized Thermoelasticity of Thermal-Shock Problem in a Non-homogeneous Isotropic Hollow Cylinder with Energy Dissipation. *International Journal of Thermophysics*, **2012**, 33, 913-923	2.1	63
186	Deformation Due to Thermal Source in Micropolar Thermoelastic Media with Thermal and Conductive Temperatures. *Journal of Computational and Theoretical Nanoscience*, **2013**, 10, 2241-2247	0.3	63
185	A generalized thermoelasticity problem of an annular cylinder with temperature-dependent density and material properties. *International Journal of Mechanical Sciences*, **2014**, 84, 54-60	5.5	61
184	A problem on functional graded material under fractional order theory of thermoelasticity. *Theoretical and Applied Fracture Mechanics*, **2014**, 74, 18-22	3.7	61

183	Analytical Solutions of a Two-Dimensional Generalized Thermoelastic Diffusions Problem Due to Laser Pulse. *Iranian Journal of Science and Technology - Transactions of Mechanical Engineering*, **2018** , 42, 57-71	1.2	60
182	The effects of relaxation times and a moving heat source on a two-temperature generalized thermoelastic thin slim strip. *Canadian Journal of Physics*, **2015**, 93, 585-590	1.1	58
181	Finite element analysis of two-temperature generalized magneto-thermoelasticity. *Archive of Applied Mechanics*, **2009**, 79, 917-925	2.2	54
180	A DPL model of photothermal interaction in a semiconductor material. *Waves in Random and Complex Media*, **2019**, 29, 328-343	1.9	54
179	Effect of rotation on plane waves at the free surface of a fibre-reinforced thermoelastic half-space using the finite element method. *Meccanica*, **2011**, 46, 413-421	2.1	53
178	Natural frequencies of a poroelastic hollow cylinder. *Acta Mechanica*, **2006**, 186, 229-237	2.1	53
177	Dual-Phase-Lag Model on Thermoelastic Interactions in a Semi-Infinite Medium Subjected to a Ramp-Type Heating. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 642-645	0.3	52
176	A PROBLEM OF GENERALIZED MAGNETOTHERMOELASTICITY FOR AN INFINITELY LONG, PERFECTLY CONDUCTING CYLINDER. *Journal of Thermal Stresses*, **2002**, 25, 1009-1025	2.2	51
175	Magneto-thermoelastic response of an infinite functionally graded cylinder using the finite element method. *JVC/Journal of Vibration and Control*, **2014**, 20, 1907-1919	2	50
174	A GN model based upon two-temperature generalized thermoelastic theory in an unbounded medium with a spherical cavity. *Applied Mathematics and Computation*, **2014**, 245, 108-115	2.7	49
173	Generalized thermoelastic interaction in a fiber-reinforced anisotropic half-space under hydrostatic initial stress. *JVC/Journal of Vibration and Control*, **2012**, 18, 175-182	2	48
172	Generalized Magneto-thermoelasticity in a Fiber-Reinforced Anisotropic Half-Space. *International Journal of Thermophysics*, **2011**, 32, 1071-1085	2.1	48
171	Finite element analysis of hydromagnetic flow and heat transfer of a heat generation fluid over a surface embedded in a non-Darcian porous medium in the presence of chemical reaction. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 1385-1395	3.7	48
170	Analytical solutions of photo-thermo-elastic waves in a non-homogenous semiconducting material. *Results in Physics*, **2018**, 10, 385-390	3.7	48
169	Effect of thermal dispersion on free convection in a fluid saturated porous medium. *International Journal of Heat and Fluid Flow*, **2009**, 30, 229-236	2.4	47
168	Generalized Magneto-thermoelastic Interaction in a Fiber-Reinforced Anisotropic Hollow Cylinder. *International Journal of Thermophysics*, **2012**, 33, 567-579	2.1	46
167	Finite element analysis of the thermoelastic interactions in an unbounded body with a cavity. *Forschung Im Ingenieurwesen/Engineering Research*, **2007**, 71, 215-222	0.8	45
166	A study on photothermal waves in an unbounded semiconductor medium with cylindrical cavity. *Mechanics of Time-Dependent Materials*, **2017**, 21, 61-72	1.2	44

165	Theoretical analysis of thermal damages in skin tissue induced by intense moving heat source. *International Journal of Heat and Mass Transfer*, **2018**, 124, 1011-1014	4.9	44
164	On the Numerical Solution of Thermal Shock Problem for Generalized Magneto-Thermoelasticity for an Infinitely Long Annular Cylinder with Variable Thermal Conductivity. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 607-618	0.3	44
163	Fractional Order GN Model on Thermoelastic Interaction in an Infinite Fibre-Reinforced Anisotropic Plate Containing a Circular Hole. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 380-384	0.3	43
162	Eigenvalue approach on fractional order theory of thermoelastic diffusion problem for an infinite elastic medium with a spherical cavity. *Applied Mathematical Modelling*, **2015**, 39, 6196-6206	4.5	43
161	Generalized magneto-thermoelasticity in a nonhomogeneous isotropic hollow cylinder using the finite element method. *Archive of Applied Mechanics*, **2009**, 79, 41-50	2.2	42
160	A GN model for thermoelastic interaction in an unbounded fiber-reinforced anisotropic medium with a circular hole. *Applied Mathematics Letters*, **2013**, 26, 232-239	3.5	41
159	Analytical Solution for a Free Vibration of a Thermoelastic Hollow Sphere. *Mechanics Based Design of Structures and Machines*, **2015**, 43, 265-276	1.7	40
158	Effects of thermal relaxations on thermoelastic interactions in an infinite orthotropic elastic medium with a cylindrical cavity. *Archive of Applied Mechanics*, **2008**, 78, 283-293	2.2	40
157	Deformation Due to Thermal Source in Micropolar Generalized Thermoelastic Half-Space by Finite Element Method. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 185-190	0.3	39
156	Generalized thermoelasticity of the thermal shock problem in an isotropic hollow cylinder and temperature dependent elastic moduli. *Chinese Physics B*, **2012**, 21, 014601	1.2	38
155	LS model on thermal shock problem of generalized magneto-thermoelasticity for an infinitely long annular cylinder with variable thermal conductivity. *Applied Mathematical Modelling*, **2011**, 35, 3759-3768	4.5	36
154	Plane Deformation Due to Thermal Source in Fractional Order Thermoelastic Media. *Journal of Computational and Theoretical Nanoscience*, **2013**, 10, 2520-2525	0.3	35
153	Wave propagation in a generalized thermoelastic plate using eigenvalue approach. *Journal of Thermal Stresses*, **2016**, 39, 1367-1377	2.2	32
152	Generalized thermoelastic interaction in functional graded material with fractional order three-phase lag heat transfer. *Journal of Central South University*, **2015**, 22, 1606-1613	2.1	30
151	Reduction the secular solution to periodic solution in the generalized restricted three-body problem. *Astrophysics and Space Science*, **2014**, 350, 495-505	1.6	30
150	A two-dimensional problem for a fibre-reinforced anisotropic thermoelastic half-space with energy dissipation. *Sadhana - Academy Proceedings in Engineering Sciences*, **2011**, 36, 411-423	1	30
149	The Effect of Rotation and Initial Stress on Thermal Shock Problem for a Fiber-Reinforced Anisotropic Half-Space Using Green-Naghdi Theory. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 331-338	0.3	28
148	The Effect of Fractional Time Derivative of Bioheat Model in Skin Tissue Induced to Laser Irradiation. *Symmetry*, **2020**, 12, 602	2.7	27

147	An analytical study on the fractional transient heating within the skin tissue during the thermal therapy. *Journal of Thermal Biology*, **2019**, 82, 229-233	2.9	26
146	A GN model on photothermal interactions in a two-dimensions semiconductor half space. *Results in Physics*, **2019**, 15, 102588	3.7	24
145	Nonlinear Transient Thermal Stress Analysis of Temperature-Dependent Hollow Cylinders Using a Finite Element Model. *International Journal of Structural Stability and Dynamics*, **2014**, 14, 1450025	1.9	22
144	Analytical solutions of fractional bioheat model in a spherical tissue. *Mechanics Based Design of Structures and Machines*, **2021**, 49, 430-439	1.7	21
143	A GN model for thermoelastic interaction in a microscale beam subjected to a moving heat source. *Acta Mechanica*, **2015**, 226, 2527-2536	2.1	20
142	Analytical estimations of temperature in a living tissue generated by laser irradiation using experimental data. *Journal of Thermal Biology*, **2019**, 85, 102421	2.9	20
141	Electro-magneto-thermo-elastic response of infinite functionally graded cylinders without energy dissipation. *Journal of Magnetism and Magnetic Materials*, **2015**, 395, 123-129	2.8	19
140	Thermal shock problem for a fiber-reinforced anisotropic half-space placed in a magnetic field via G-N model. *Applied Mathematics and Computation*, **2014**, 246, 482-490	2.7	19
139	Generalized Thermoelastic Vibration of an Axially Moving Clamped Microbeam Subjected to Ramp-Type Thermal Loading. *Journal of Thermal Stresses*, **2014**, 37, 1302-1323	2.2	18
138	Plane Waves in Generalized Thermo-microstretch Elastic Solid with Thermal Relaxation Using Finite Element Method. *International Journal of Thermophysics*, **2012**, 33, 2407-2423	2.1	18
137	An Eigenvalues Approach for a Two-Dimensional Porous Medium Based Upon Weak, Normal and Strong Thermal Conductivities. *Symmetry*, **2020**, 12, 848	2.7	17
136	Photo-thermal-elastic interaction in an unbounded semiconducting medium with spherical cavity due to pulse heat flux. *Waves in Random and Complex Media*, **2018**, 28, 670-682	1.9	17
135	Two-Dimensional Fractional Order Generalized Thermoelastic Porous Material. *Latin American Journal of Solids and Structures*, **2015**, 12, 1415-1431	1.4	17
134	Effect of Rotation on Magneto-Thermoelastic Homogeneous Isotropic Hollow Cylinder with Energy Dissipation Using Finite Element Method. *Journal of Computational and Theoretical Nanoscience*, **2015**, 12, 2399-2404	0.3	16
133	Effect of rotation on plane waves in generalized thermomicrostretch elastic solid: comparison of different theories using finite element method. *Canadian Journal of Physics*, **2014**, 92, 1269-1277	1.1	16
132	Free vibration of a thermoelastic hollow cylinder under two-temperature generalized thermoelastic theory. *Mechanics Based Design of Structures and Machines*, **2017**, 45, 395-405	1.7	16
131	Fractional Order GN Model on Photo-Thermal Interaction in a Semiconductor Plane. *Silicon*, **2020**, 12, 1957-1964	2.4	16
130	Photo-thermo-elastic interactions without energy dissipation in a semiconductor half-space. *Results in Physics*, **2019**, 15, 102805	3.7	16

129	Hyperbolic Two-Temperature Photo-Thermal Interaction in a Semiconductor Medium with a Cylindrical Cavity. *Silicon*, **2021**, 13, 1871-1878	2.4	16
128	Response of thermal source in a transversely isotropic thermoelastic half-space with mass diffusion by using a finite element method. *Chinese Physics B*, **2012**, 21, 084601	1.2	15
127	2D deformation in initially stressed thermoelastic half-space with voids. *Steel and Composite Structures*, **2016**, 20, 1103-1117		15
126	Effect of viscosity on wave propagation in anisotropic thermoelastic medium with three-phase-lag model. *Theoretical and Applied Mechanics*, **2012**, 39, 313-341	0.4	15
125	Photo-Thermal Interactions in a Semiconducting Media with a Spherical Cavity under Hyperbolic Two-Temperature Model. *Mathematics*, **2020**, 8, 585	2.3	14
124	Comparison study between the effects of different terms contributing to viscous dissipation in saturated porous media. *International Journal of Thermal Sciences*, **2013**, 64, 195-203	4.1	14
123	Response of thermal source in transversely isotropic thermoelastic materials without energy dissipation and with two temperatures. *Canadian Journal of Physics*, **2014**, 92, 1305-1311	1.1	14
122	The Effect of Magnetic Field on Thermal Shock Problem for a Fiber-Reinforced Anisotropic Half-Space Using Green-Naghdi's Theory. *Journal of Computational and Theoretical Nanoscience*, **2015**, 12, 438-442	0.3	13
121	Finite element analyses of nonlinear DPL bioheat model in spherical tissues using experimental data. *Mechanics Based Design of Structures and Machines*, **2020**, 1-11	1.7	12
120	Generalized thermoelastic diffusion in a nanoscale beam using eigenvalue approach. *Acta Mechanica*, **2016**, 227, 955-968	2.1	12
119	Interaction due to a mechanical source in transversely isotropic micropolar media. *JVC/Journal of Vibration and Control*, **2014**, 20, 1663-1670	2	12
118	Effect of Initial Stress on a Fiber-Reinforced Anisotropic Thermoelastic Thick Plate. *International Journal of Thermophysics*, **2011**, 32, 1098-1110	2.1	12
117	Generalized Thermoelastic Interactions in a Poroelastic Material Without Energy Dissipations. *International Journal of Thermophysics*, **2020**, 41, 1	2.1	11
116	Thermoelastic interaction in a thermally conducting cubic crystal subjected to ramp-type heating. *Applied Mathematics and Computation*, **2015**, 254, 360-369	2.7	11
115	Eigenvalue approach for generalized thermoelastic porous medium under the effect of thermal loading due to a laser pulse in DPL model. *Indian Journal of Physics*, **2019**, 93, 1567-1578	1.4	10
114	Nonlinear analysis of dual-phase lag bio-heat model in living tissues induced by laser irradiation. *Journal of Thermal Stresses*, **2020**, 43, 503-511	2.2	10
113	A DPL model of photo-thermal interaction in an infinite semiconductor material containing a spherical hole. *European Physical Journal Plus*, **2018**, 133, 1	3.1	10
112	Exact Solution of Thermoelastic Damping and Frequency Shifts in a Nano-Beam Resonator. *International Journal of Structural Stability and Dynamics*, **2015**, 15, 1450082	1.9	10

111	Finite element method of thermal shock problem in a non-homogeneous isotropic hollow cylinder with two relaxation times. *Forschung Im Ingenieurwesen/Engineering Research*, **2008**, 72, 101-110	0.8	10
110	A Two-Temperature Photothermal Interaction in a Semiconducting Material. *Journal of Advanced Physics*, **2017**, 6, 402-407		10
109	Analytical Solution of Thermoelastic Damping in a Nanoscale Beam using the Fractional Order Theory of Thermoelasticity. *International Journal of Structural Stability and Dynamics*, **2016**, 16, 1550064	1.9	9
108	Fractional Order Theory in a Semiconductor Medium Photogenerated by a Focused Laser Beam. *Physical Mesomechanics*, **2018**, 21, 117-123	1.6	9
107	A numerical study of free convection heat and mass transfer in a Rivlin–Ericksen viscoelastic flow past an impulsively started vertical plate with variable temperature and concentration. *International Journal of Heat and Fluid Flow*, **2013**, 44, 258-264	2.4	9
106	Thermal shock problem in a homogeneous isotropic hollow cylinder with energy dissipation. *Computational Mathematics and Modeling*, **2011**, 22, 266-277	0.5	9
105	Effects of magnetohydrodynamic flow past a vertical plate with variable surface temperature. *Applied Mathematics and Mechanics (English Edition)*, **2010**, 31, 329-338	3.2	9
104	Analytical Estimation of Temperature in Living Tissues Using the TPL Bioheat Model with Experimental Verification. *Mathematics*, **2020**, 8, 1188	2.3	9
103	Two-Temperature Photothermal Interactions in a Semiconducting Material with a 3D Spherical Cavity. *Physical Mesomechanics*, **2019**, 22, 327-332	1.6	8
102	Analytical Solutions of Plasma and Thermoelastic Waves Photogenerated by a Focused Laser Beam in a Semiconductor Material. *Silicon*, **2018**, 10, 2609-2616	2.4	8
101	Analytical solutions of thermal damage in living tissues due to laser irradiation. *Waves in Random and Complex Media*, **2019**, 1-14	1.9	8
100	On the viscous dissipation modeling of thermal fluid flow in a porous medium. *Archive of Applied Mechanics*, **2011**, 81, 1865-1876	2.2	8
99	A Generalized Model on Plasma, Thermal and Elastic Waves in a Semiconductor Medium. *Journal of Advanced Physics*, **2017**, 6, 317-325		8
98	DYNAMICAL BEHAVIOR AND SOLUTION OF NONLINEAR DIFFERENCE EQUATION VIA FIBONACCI SEQUENCE. *Journal of Applied Analysis and Computation*, **2020**, 10, 282-296	0.4	8
97	The effect of magnetic field on a thermoelastic fiber-reinforced material under GN-III theory. *Steel and Composite Structures*, **2016**, 22, 369-386		8
96	Free Vibrations of Nanoscale Beam Under Two-Temperature Green and Naghdi Model **2018**, 23, 289-293		8
95	Generalized thermoelastic interaction in a two-dimensional porous medium under dual phase lag model. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2020**, 30, 4865-4881	4.5	8
94	An analytical solution of the bioheat model in a spherical tissue due to laser irradiation. *Indian Journal of Physics*, **2020**, 94, 1329-1334	1.4	8

93	Photo-thermoelastic interactions in a 2D semiconducting medium. *European Physical Journal Plus*, **2018**, 133, 1	3.1	8
92	A Study on Fractional Order Theory in Thermoelastic Half-Space under Thermal Loading. *Physical Mesomechanics*, **2018**, 21, 150-156	1.6	7
91	Photo-thermal interactions in a semi-conductor material with cylindrical cavities and variable thermal conductivity. *Journal of Taibah University for Science*, **2020**, 14, 1369-1376	3	7
90	A dual phase lag model on photothermal interaction in an unbounded semiconductor medium with cylindrical cavity. *International Journal of Computational Materials Science and Engineering*, **2016**, 05, 1650016	0.3	7
89	Analytical solution of magnetothermoelastic interaction in a fiber-reinforced anisotropic material. *European Physical Journal Plus*, **2016**, 131, 1	3.1	7
88	A two-temperature model for evaluation of thermoelastic damping in the vibration of a nanoscale resonators. *Mechanics of Time-Dependent Materials*, **2016**, 20, 511-522	1.2	7
87	The Effect of Relaxation Times on Thermoelastic Damping in a Nanobeam Resonator. *Journal of Molecular and Engineering Materials*, **2016**, 04, 1650001	1.3	7
86	Generalized photo-thermo-elastic interaction in a semiconductor plate with two relaxation times. *Thin-Walled Structures*, **2018**, 129, 342-348	4.7	6
85	Fractional order photo-thermo-elastic waves in a two-dimensional semiconductor plate. *European Physical Journal Plus*, **2018**, 133, 1	3.1	6
84	Thermoelastic interactions in an isotropic unbounded medium due to moving heat source using GNIII model. *Latin American Journal of Solids and Structures*, **2015**, 12, 1061-1073	1.4	6
83	Response of Thermal Source in Initially Stressed Generalized Thermoelastic Half-Space with Voids. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 1472-1479	0.3	6
82	Thermal response of cylindrical tissue induced by laser irradiation with experimental study. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 4013-4023	4.5	6
81	The effect of fractional derivative on photo-thermoelastic interaction in an infinite semiconducting medium with a cylindrical hole. *Engineering Solid Mechanics*, **2018**, 275-284	1.3	6
80	Effect of low dose ketamine versus dexmedetomidine on gag reflex during propofol based sedation during upper gastrointestinal endoscopy. A randomized controlled studyPeer review under responsibility of Egyptian Society of Anesthesiologists.View all notes. *Egyptian Journal of Anaesthesia*, **2017**, 33, 165-170	0.6	5
79	A Study on Photothermal Waves in a Semiconductor Material Photogenerated by a Focused Laser Beam. *Journal of Molecular and Engineering Materials*, **2016**, 04, 1650003	1.3	5
78	Free vibration of a thermoelastic hollow cylinder with one relaxation time. *Canadian Journal of Physics*, **2015**, 93, 1082-1087	1.1	5
77	Combined effect of thermal dispersion and radiation on free convection in a fluid saturated, optically thick porous medium. *Forschung Im Ingenieurwesen/Engineering Research*, **2008**, 72, 135-144	0.8	5
76	VISCOUS DISSIPATION EFFECT ON NATURAL CONVECTION IN A FLUID SATURATED POROUS MEDIUM. *Journal of Porous Media*, **2010**, 13, 989-997	2.9	5

75	Finite Element Analysis of Thermoelastic Fiber-Reinforced Anisotropic Hollow Cylinder with Dual-Phase-Lag Model. *Strength of Materials*, **2018**, 50, 396-405	0.6	5
74	Analytical solution of fractional order photo-thermoelasticity in a non-homogenous semiconductor medium. *Multidiscipline Modeling in Materials and Structures*, **2018**, 14, 1017-1030	2.2	5
73	Finite Element Analysis in a Rotating Thermoelastic Half-Space with Diffusion. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 2276-2282	0.3	4
72	The impacts of variable thermal conductivity in a semiconducting medium using finite element method. *Case Studies in Thermal Engineering*, **2022**, 31, 101773	5.6	4
71	Analytical solution of a two-dimensional thermoelastic problem subjected to laser pulse. *Steel and Composite Structures*, **2016**, 21, 791-803		4
70	Relaxed Saint-Venant principle for thermoelastic micropolar diffusion. *Structural Engineering and Mechanics*, **2014**, 51, 651-662		4
69	Dual-Phase-Lag Model on Generalized Magneto-Thermoelastic Interaction in a Functionally Graded Material. *International Journal of Acoustics and Vibrations*, **2017**, 22,		4
68	Three-phase lag model of thermo-elastic interaction in a 2D porous material due to pulse heat flux. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2020**, 30, 5191-5207	4.5	4
67	Interaction due to various sources in saturated porous media with incompressible fluid. *Journal of Central South University*, **2016**, 23, 1232-1242	2.1	4
66	The influence of thermal and conductive temperatures in a nanoscale resonator. *Results in Physics*, **2018**, 9, 705-711	3.7	3
65	Eigenvalue approach on a two-dimensional thermal shock problem with weak, normal and strong conductivity. *European Physical Journal Plus*, **2016**, 131, 1	3.1	3
64	Eigenvalue approach to fractional order thermoelasticity for an infinite body with a spherical cavityPeer review under responsibility of University of Bahrain.View all notes. *Journal of the Association of Arab Universities for Basic and Applied Sciences*, **2016**, 20, 84-88		3
63	Effect of intrinsic rotations, microstructural expansion and contractions in initial boundary value problem of thermoelastic bodies. *Boundary Value Problems*, **2014**, 2014,	2.1	3
62	Deformation in Three Dimensional Thermoelastic Medium with One Relaxation Time. *Journal of Computational and Theoretical Nanoscience*, **2015**, 12, 3104-3109	0.3	3
61	Fundamental solution of generalized thermo-viscoelasticity using the finite element method. *Computational Mathematics and Modeling*, **2012**, 23, 158-167	0.5	3
60	Finite element analysis of transient free convection flow over vertical plate. *Forschung Im Ingenieurwesen/Engineering Research*, **2006**, 70, 263-268	0.8	3
59	Effects of the Nonlocal Thermoelastic Model in a Thermoelastic Nanoscale Material. *Mathematics*, **2022**, 10, 284	2.3	3
58	First Evidence of Teladorsagia circumcincta Infection in Sheep from Egypt. *Journal of Parasitology*, **2019**, 105, 484	0.9	3

57	A Study of Deformations in a Thermoelastic Dipolar Body with Voids. *Symmetry*, **2020**, 12, 267	2.7	3
56	Fractional-Order Thermoelastic Wave Assessment in a Two-Dimensional Fiber-Reinforced Anisotropic Material. *Mathematics*, **2020**, 8, 1609	2.3	3
55	The Effect of a Hyperbolic Two-Temperature Model with and without Energy Dissipation in a Semiconductor Material. *Mathematics*, **2020**, 8, 1711	2.3	3
54	Molecular characterization of isolates from sheep in the Nile Delta, Egypt and a review on infections worldwide. *Parasitology*, **2021**, 148, 913-933	2.7	3
53	Fractional Order Generalized Thermoelasticity in an Unbounded Medium with Cylindrical Cavity. *Journal of Engineering Mechanics - ASCE*, **2016**, 142, 04016033	2.4	3
52	The Effect of Fractional Time Derivative on Two-Dimension Porous Materials Due to Pulse Heat Flux. *Mathematics*, **2021**, 9, 207	2.3	3
51	The Effects of Fractional Time Derivatives in Porothermoelastic Materials Using Finite Element Method. *Mathematics*, **2021**, 9, 1606	2.3	3
50	Analytical solutions of thermoelastic interactions in a hollow cylinder with one relaxation time. *Mathematics and Mechanics of Solids*, **2017**, 22, 210-223	2.3	2
49	Analytical solutions of 2-D problem for cracked thermoelastic fiber-reinforced anisotropic material. *Theoretical and Applied Fracture Mechanics*, **2017**, 91, 31-36	3.7	2
48	A Green-Naghdi Model in a 2D Problem of a Mode I Crack in an Isotropic Thermoelastic Plate. *Physical Mesomechanics*, **2018**, 21, 99-103	1.6	2
47	Fractional Order Thermoelastic Wave Assessment in a Nanoscale Beam Using the Eigenvalue Technique. *Strength of Materials*, **2019**, 51, 427-438	0.6	2
46	On continuous dependence for the mixed problem of microstretch bodies. *Analele Stiintifice Ale Universitatii Ovidius Constanta, Seria Matematica*, **2017**, 25, 131-143	0.4	2
45	Generalized thermoelastic interactions in a hollow cylinder with temperature-dependent material properties. *Journal of Thermal Science and Technology*, **2017**, 12, JTST0005-JTST0005	0.6	2
44	Axisymmetric Distributions of Thick Circular Plate in a Modified Couple Stress Theory. *Journal of Molecular and Engineering Materials*, **2015**, 03, 1550004	1.3	2
43	Two-Temperature Green and Naghdi Model on Thermoelastc Interaction in an Infinite Fibre-Reinforced Anisotropic Plate Containing a Circular Hole. *Journal of Theoretical and Applied Mechanics (Bulgaria)*, **2013**, 43, 79-94	5.8	2
42	Analytical and Computational Solution of Three-Dimensional Thermoelastic Interactions in Porous Material with Temperature-Dependent Properties. *Journal of Computational and Theoretical Nanoscience*, **2017**, 14, 4021-4033	0.3	2
41	Effects of Thermal Radiation on Natural Convection in a Porous Medium. *International Journal of Fluid Mechanics Research*, **2007**, 34, 129-144	4.3	2
40	The effects of thermal relaxation time in a two-dimension porous medium due to thermal loading. *Waves in Random and Complex Media*, **2020**, 1-15	1.9	2

39	A study on photo-thermo-elastic wave in a semi-conductor material caused by ramp-type heating. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 2033-2040	6.1	2
38	Finite Element Analysis of Nonlinear Bioheat Model in Skin Tissue Due to External Thermal Sources. *Mathematics*, **2021**, 9, 1459	2.3	2
37	Thermomechanical response in a two-dimension porous medium subjected to thermal loading. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 4103-4117	4.5	2
36	A Two-Temperature Photothermal Interaction in a Semiconductor Medium Containing a Cylindrical Hole. *International Journal of Thermophysics*, **2018**, 39, 1	2.1	2
35	Stability of latent pathogen infection model with CTL immune response and saturated cellular infection. *AIP Advances*, **2018**, 8, 125021	1.5	2
34	Generalized thermoelastic interaction in a two-dimensional orthotropic material caused by a pulse heat flux. *Waves in Random and Complex Media*,1-18	1.9	2
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