

# Magdy A Ezzat

## List of Publications by Citations

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165  
papers

4,678  
citations

47  
h-index

58  
g-index

174  
ext. papers

5,222  
ext. citations

2.7  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
165	Magneto-thermoelasticity with thermoelectric properties and fractional derivative heat transfer. <i>Physica B: Condensed Matter</i> , <b>2011</b> , 406, 30-35	2.8	142
164	Generalized thermo-viscoelasticity with memory-dependent derivatives. <i>International Journal of Mechanical Sciences</i> , <b>2014</b> , 89, 470-475	5.5	112
163	Thermoelectric MHD non-Newtonian fluid with fractional derivative heat transfer. <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, 4188-4194	2.8	112
162	Fractional order theory of a perfect conducting thermoelastic medium. <i>Canadian Journal of Physics</i> , <b>2011</b> , 89, 311-318	1.1	82
161	Theory of fractional order in generalized thermoelectric MHD. <i>Applied Mathematical Modelling</i> , <b>2011</b> , 35, 4965-4978	4.5	81
160	Theory of fractional order in electro-thermoelasticity. <i>European Journal of Mechanics, A/Solids</i> , <b>2011</b> , 30, 491-500	3.7	80
159	Generalized thermoelasticity with memory-dependent derivatives involving two temperatures. <i>Mechanics of Advanced Materials and Structures</i> , <b>2016</b> , 23, 545-553	1.8	74
158	Fractional Order Theory of Thermoelastic Diffusion. <i>Journal of Thermal Stresses</i> , <b>2011</b> , 34, 851-872	2.2	70
157	Two-temperature theory in magneto-thermoelasticity with fractional order dual-phase-lag heat transfer. <i>Nuclear Engineering and Design</i> , <b>2012</b> , 252, 267-277	1.8	69
156	Electromagneto-thermoelastic plane waves with two relaxation times in a medium of perfect conductivity. <i>International Journal of Engineering Science</i> , <b>2000</b> , 38, 107-120	5.7	66
155	ELECTROMAGNETO-THERMOELASTIC PLANE WAVES WITH THERMAL RELAXATION IN A MEDIUM OF PERFECT CONDUCTIVITY. <i>Journal of Thermal Stresses</i> , <b>2001</b> , 24, 411-432	2.2	66
154	Convolutional Variational Principle, Reciprocal and Uniqueness Theorems in Linear Fractional Two-Temperature Thermoelasticity. <i>Journal of Thermal Stresses</i> , <b>2011</b> , 34, 264-284	2.2	64
153	Generalized magneto-thermoelasticity in a perfectly conducting medium. <i>International Journal of Solids and Structures</i> , <b>2005</b> , 42, 6319-6334	3.1	62
152	Electro-thermoelasticity theory with memory-dependent derivative heat transfer. <i>International Journal of Engineering Science</i> , <b>2016</b> , 99, 22-38	5.7	61
151	Fractional order theory in thermoelastic solid with three-phase lag heat transfer. <i>Archive of Applied Mechanics</i> , <b>2012</b> , 82, 557-572	2.2	61
150	The uniqueness and reciprocity theorems for generalized thermo-viscoelasticity with two relaxation times. <i>International Journal of Engineering Science</i> , <b>2002</b> , 40, 1275-1284	5.7	60
149	On uniqueness and reciprocity theorems for generalized thermo-viscoelasticity with thermal relaxation. <i>Canadian Journal of Physics</i> , <b>2003</b> , 81, 823-833	1.1	60

148	Fractional modelling of Pennes bioheat transfer equation. <i>Heat and Mass Transfer</i> , <b>2014</b> , 50, 907-914	2.2	59
147	Memory-dependent derivatives theory of thermo-viscoelasticity involving two-temperature. <i>Journal of Mechanical Science and Technology</i> , <b>2015</b> , 29, 4273-4279	1.6	58
146	Fractional order heat conduction law in magneto-thermoelasticity involving two temperatures. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , <b>2011</b> , 62, 937-952	1.6	58
145	A thermal-shock problem in magneto-thermoelasticity with thermal relaxation. <i>International Journal of Solids and Structures</i> , <b>1996</b> , 33, 4449-4459	3.1	58
144	Thermoelastic diffusion with memory-dependent derivative. <i>Journal of Thermal Stresses</i> , <b>2016</b> , 39, 1035-1050	1.0	57
143	State space approach to two-dimensional generalized thermo-viscoelasticity with two relaxation times. <i>International Journal of Engineering Science</i> , <b>2002</b> , 40, 1251-1274	5.7	55
142	On the boundary integral formulation of thermo-viscoelasticity theory. <i>International Journal of Engineering Science</i> , <b>2002</b> , 40, 1943-1956	5.7	55
141	THE UNIQUENESS AND RECIPROCITY THEOREMS FOR GENERALIZED THERMOVISCOELASTICITY FOR ANISOTROPIC MEDIA. <i>Journal of Thermal Stresses</i> , <b>2002</b> , 25, 507-522	2.2	55
140	A novel magneto-thermoelasticity theory with memory-dependent derivative. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2015</b> , 29, 1018-1031	1.3	54
139	Modeling of memory-dependent derivative in generalized thermoelasticity. <i>European Physical Journal Plus</i> , <b>2016</b> , 131, 1	3.1	54
138	Thermal shock problem in generalized thermo-viscoelasticity under four theories. <i>International Journal of Engineering Science</i> , <b>2004</b> , 42, 649-671	5.7	54
137	Fundamental solution in generalized magneto-thermoelasticity with two relaxation times for perfect conductor cylindrical region. <i>International Journal of Engineering Science</i> , <b>2004</b> , 42, 1503-1519	5.7	53
136	State space approach to two-dimensional electromagneto-thermoelastic problem with two relaxation times. <i>International Journal of Engineering Science</i> , <b>2001</b> , 39, 1383-1404	5.7	53
135	GENERATION OF GENERALIZED MAGNETOTHERMOELASTIC WAVES BY THERMAL SHOCK IN A PERFECTLY CONDUCTING HALF-SPACE. <i>Journal of Thermal Stresses</i> , <b>1997</b> , 20, 617-633	2.2	52
134	Free convection effects on a viscoelastic boundary layer flow with one relaxation time through a porous medium. <i>Journal of the Franklin Institute</i> , <b>1997</b> , 334, 685-706	4	52
133	On the Two-Temperature Green-Naghdi Thermoelasticity Theories. <i>Journal of Thermal Stresses</i> , <b>2011</b> , 34, 1207-1226	2.2	51
132	Generalized thermo-viscoelastic plane waves with two relaxation times. <i>International Journal of Engineering Science</i> , <b>2002</b> , 40, 1329-1347	5.7	51
131	State space approach to generalized thermo-viscoelasticity with two relaxation times. <i>International Journal of Engineering Science</i> , <b>2002</b> , 40, 283-302	5.7	50

130	State space approach to unsteady two-dimensional free convection flow through a porous medium. <i>Canadian Journal of Physics</i> , <b>1994</b> , 72, 311-317	1.1	50
129	Thermoelectric MHD with modified Fourier's law. <i>International Journal of Thermal Sciences</i> , <b>2011</b> , 50, 449-455	4.1	49
128	State space approach to generalized magneto-thermoelasticity with two relaxation times in a medium of perfect conductivity. <i>International Journal of Engineering Science</i> , <b>1997</b> , 35, 741-752	5.7	49
127	The relaxation effects of the volume properties of electrically conducting viscoelastic material. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2006</b> , 130, 11-23	3.1	49
126	Free convection effects on perfectly conducting fluid. <i>International Journal of Engineering Science</i> , <b>2001</b> , 39, 799-819	5.7	49
125	Fundamental solution in thermoelasticity with two relaxation times for cylindrical regions. <i>International Journal of Engineering Science</i> , <b>1995</b> , 33, 2011-2020	5.7	49
124	State space approach to thermoelectric fluid with fractional order heat transfer. <i>Heat and Mass Transfer</i> , <b>2012</b> , 48, 71-82	2.2	48
123	On the three-phase-lag linear micropolar thermoelasticity theory. <i>European Journal of Mechanics, A/Solids</i> , <b>2013</b> , 40, 198-208	3.7	48
122	STATE-SPACE FORMULATION TO GENERALIZED THERMOVISCOELASTICITY WITH THERMAL RELAXATION. <i>Journal of Thermal Stresses</i> , <b>2001</b> , 24, 823-846	2.2	48
121	State space approach to solids and fluids. <i>Canadian Journal of Physics</i> , <b>2008</b> , 86, 1241-1250	1.1	47
120	SOLUTION OF THE GENERALIZED PROBLEM OF THERMOELASTICITY IN THE FORM OF SERIES OF FUNCTIONS. <i>Journal of Thermal Stresses</i> , <b>1994</b> , 17, 75-95	2.2	47
119	Constitutive Relations, Uniqueness of Solution, and Thermal Shock Application in the Linear Theory of Micropolar Generalized Thermoelasticity Involving Two Temperatures. <i>Journal of Thermal Stresses</i> , <b>2010</b> , 33, 226-250	2.2	46
118	A problem in generalized magneto-thermoelasticity for an infinitely long annular cylinder. <i>Journal of Engineering Mathematics</i> , <b>1998</b> , 34, 387-402	1.2	46
117	The dependence of the modulus of elasticity on reference temperature in generalized thermoelasticity with thermal relaxation. <i>Applied Mathematics and Computation</i> , <b>2004</b> , 147, 169-189	2.7	46
116	State Space Approach to Viscoelastic Fluid Flow of Hydromagnetic Fluctuating Boundary-Layer through a Porous Medium. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , <b>1997</b> , 77, 197-207		45
115	Effects of variable thermal conductivity and fractional order of heat transfer on a perfect conducting infinitely long hollow cylinder. <i>International Journal of Thermal Sciences</i> , <b>2016</b> , 108, 62-69	4.1	37
114	Thermo-viscoelastic materials with fractional relaxation operators. <i>Applied Mathematical Modelling</i> , <b>2015</b> , 39, 7499-7512	4.5	36
113	DISCONTINUITIES IN GENERALIZED THERMO-VISCOELASTICITY UNDER FOUR THEORIES. <i>Journal of Thermal Stresses</i> , <b>2004</b> , 27, 1187-1212	2.2	35

112	Stokes' first problem for an electro-conducting micropolar fluid with thermoelectric properties. <i>Canadian Journal of Physics</i> , <b>2010</b> , 88, 35-48	1.1	34
111	Fractional Fourier Law with Three-Phase Lag of Thermoelasticity. <i>Mechanics of Advanced Materials and Structures</i> , <b>2013</b> , 20, 593-602	1.8	33
110	Boundary integral equation formulation for the generalized thermoviscoelasticity with two relaxation times. <i>Applied Mathematics and Computation</i> , <b>2004</b> , 151, 347-362	2.7	33
109	Combined heat and mass transfer for unsteady MHD flow of perfect conducting micropolar fluid with thermal relaxation. <i>Energy Conversion and Management</i> , <b>2011</b> , 52, 934-945	10.6	31
108	Three-dimensional thermal shock problem of generalized thermoelastic half-space. <i>Applied Mathematical Modelling</i> , <b>2010</b> , 34, 3608-3622	4.5	31
107	Propagation of Discontinuities in Thermo-piezoelectric Rod. <i>Journal of Thermal Stresses</i> , <b>2005</b> , 28, 997-1020	3.0	31
106	On dual-phase-lag thermoelasticity theory with memory-dependent derivative. <i>Mechanics of Advanced Materials and Structures</i> , <b>2017</b> , 24, 908-916	1.8	30
105	Two-temperature theory in Green-Naghdi thermoelasticity with fractional phase-lag heat transfer. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 951-961	1.7	30
104	Two-temperature theory of magneto-thermo-viscoelasticity with fractional derivative and integral orders heat transfer. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2014</b> , 28, 1985-2004	1.3	30
103	Fractional calculus in one-dimensional isotropic thermo-viscoelasticity. <i>Comptes Rendus - Mecanique</i> , <b>2013</b> , 341, 553-566	2.1	29
102	On Thermo-viscoelasticity with Variable Thermal Conductivity and Fractional-Order Heat Transfer. <i>International Journal of Thermophysics</i> , <b>2015</b> , 36, 1684-1697	2.1	28
101	Fractional thermoelectric viscoelastic materials. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 124, 2187-2199	2.9	28
100	On the dual-phase-lag thermoelasticity theory. <i>Meccanica</i> , <b>2014</b> , 49, 79-89	2.1	28
99	State space approach of two-temperature magneto-thermoelasticity with thermal relaxation in a medium of perfect conductivity. <i>International Journal of Engineering Science</i> , <b>2009</b> , 47, 618-630	5.7	28
98	Fractional ultrafast laser-induced magneto-thermoelastic behavior in perfect conducting metal films. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2014</b> , 28, 64-82	1.3	27
97	Fractional Ultrafast Laser-Induced Thermo-Elastic Behavior In Metal Films. <i>Journal of Thermal Stresses</i> , <b>2012</b> , 35, 637-651	2.2	27
96	Space approach to the hydro-magnetic flow of a dusty fluid through a porous medium. <i>Computers and Mathematics With Applications</i> , <b>2010</b> , 59, 2868-2879	2.7	27
95	Tissue responses to fractional transient heating with sinusoidal heat flux condition on skin surface. <i>Animal Science Journal</i> , <b>2016</b> , 87, 1304-1311	1.8	24

94	On the phase-lag Green-Naghdi thermoelasticity theories. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 5643-5659	4.5	24
93	Two-Temperature Theory in Three-Dimensional Problem for Thermoelastic Half Space Subjected to Ramp Type Heating. <i>Mechanics of Advanced Materials and Structures</i> , <b>2014</b> , 21, 293-304	1.8	24
92	Uniqueness and reciprocal theorems in linear micropolar electro-magnetic thermoelasticity with two relaxation times. <i>Mechanics of Time-Dependent Materials</i> , <b>2009</b> , 13, 93-115	1.2	24
91	Fractional thermoelasticity applications for porous asphaltic materials. <i>Petroleum Science</i> , <b>2016</b> , 13, 550-560	4.4	23
90	The relaxation effects of the volume properties of viscoelastic material in generalized thermoelasticity. <i>International Journal of Engineering Science</i> , <b>2003</b> , 41, 2281-2298	5.7	23
89	THE DEPENDENCE OF THE MODULUS OF ELASTICITY ON THE REFERENCE TEMPERATURE IN GENERALIZED THERMOELASTICITY. <i>Journal of Thermal Stresses</i> , <b>2001</b> , 24, 1159-1176	2.2	23
88	State Space Approach of Two-Temperature Magneto-Viscoelasticity Theory with Thermal Relaxation in a Medium of Perfect Conductivity. <i>Journal of Thermal Stresses</i> , <b>2009</b> , 32, 819-838	2.2	22
87	On phase-lag Green-Naghdi theory without energy dissipation for electro-thermoelasticity including heat sources. <i>Mechanics Based Design of Structures and Machines</i> , <b>2019</b> , 47, 769-786	1.7	21
86	Two-temperature Green-Naghdi theory of type III in linear thermoviscoelastic anisotropic solid. <i>Applied Mathematical Modelling</i> , <b>2015</b> , 39, 2155-2171	4.5	21
85	Effects of variable thermal conductivity on Stokes' flow of a thermoelectric fluid with fractional order of heat transfer. <i>International Journal of Thermal Sciences</i> , <b>2016</b> , 100, 305-315	4.1	21
84	Modified Fourier's Law with Time-Delay and Kernel Function: Application in Thermoelasticity. <i>Journal of Thermal Stresses</i> , <b>2015</b> , 38, 811-834	2.2	21
83	Magnetothermoelasticity with two relaxation times in conducting medium with variable electrical and thermal conductivity. <i>Applied Mathematics and Computation</i> , <b>2003</b> , 142, 449-467	2.7	21
82	STATE-SPACE APPROACH TO GENERALIZED MAGNETOTHERMOELASTICITY WITH THERMAL RELAXATION IN A MEDIUM OF PERFECT CONDUCTIVITY. <i>Journal of Thermal Stresses</i> , <b>2002</b> , 25, 409-429	2.2	21
81	Magneto-thermoelectric viscoelastic materials with memory-dependent derivative involving two-temperature. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2016</b> , 50, 549-567	0.4	21
80	Propagation of Discontinuities in Magneto-Thermoelastic Half-Space. <i>Journal of Thermal Stresses</i> , <b>2006</b> , 29, 331-358	2.2	19
79	Thermoelectric viscoelastic materials with memory-dependent derivative. <i>Smart Structures and Systems</i> , <b>2017</b> , 19, 539-551		19
78	Two-temperature theory in generalized magneto-thermoelasticity with two relaxation times. <i>Meccanica</i> , <b>2011</b> , 46, 785-794	2.1	18
77	Generalized thermoelasticity with temperature dependent modulus of elasticity under three theories. <i>Journal of Applied Mathematics and Computing</i> , <b>2004</b> , 14, 193-212	1.8	18

76	Electromagneto-hydrodynamic instability in a horizontal viscoelastic fluid layer with one relaxation time. <i>Acta Mechanica</i> , <b>2001</b> , 150, 1-9	2.1	18
75	STATE SPACE APPROACH TO TWO-DIMENSIONAL GENERALIZED THERMOVISCOELASTICITY WITH ONE RELAXATION TIME. <i>Journal of Thermal Stresses</i> , <b>2002</b> , 25, 295-316	2.2	18
74	Micropolar generalized magneto-thermoelasticity with modified Ohm's and Fourier's laws. <i>Journal of Mathematical Analysis and Applications</i> , <b>2009</b> , 353, 99-113	1.1	16
73	Fractional thermo-viscoelastic response of biological tissue with variable thermal material properties. <i>Journal of Thermal Stresses</i> , <b>2020</b> , 43, 1120-1137	2.2	15
72	Generalized Magneto-Thermoelasticity with Modified Ohm's Law. <i>Mechanics of Advanced Materials and Structures</i> , <b>2009</b> , 17, 74-84	1.8	15
71	State Space Approach for Conducting Magneto-Thermoelastic Medium with Variable Electrical and Thermal Conductivity Subjected to Ramp-Type Heating. <i>Journal of Thermal Stresses</i> , <b>2009</b> , 32, 414-427	2.2	15
70	Two-temperature theory in generalized magneto-thermo-viscoelasticity. <i>Canadian Journal of Physics</i> , <b>2009</b> , 87, 329-336	1.1	15
69	Effects of modified Ohm's and Fourier's laws on generalized magneto-viscoelastic thermoelasticity with relaxation volume properties. <i>International Journal of Engineering Science</i> , <b>2010</b> , 48, 460-472	5.7	15
68	Two-dimensional problem for thermoviscoelastic materials with fractional order heat transfer. <i>Journal of Thermal Stresses</i> , <b>2019</b> , 42, 1298-1315	2.2	14
67	A problem of a viscoelastic magnetohydrodynamic fluctuating-boundary-layer flow past an infinite porous plate. <i>Canadian Journal of Physics</i> , <b>1993</b> , 71, 97-105	1.1	14
66	Thermoelectric MHD with memory-dependent derivative heat transfer. <i>International Communications in Heat and Mass Transfer</i> , <b>2016</b> , 75, 270-281	5.8	14
65	Application of fractional order theory of magneto-thermoelasticity to an infinite perfect conducting body with a cylindrical cavity. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 2447-2458	1.7	13
64	A new dynamical modeling SEIR with global analysis applied to the real data of spreading COVID-19 in Saudi Arabia. <i>Mathematical Biosciences and Engineering</i> , <b>2020</b> , 17, 7018-7044	2.1	13
63	A modified SEIR model applied to the data of COVID-19 spread in Saudi Arabia. <i>AIP Advances</i> , <b>2020</b> , 10, 125210	1.5	12
62	State space approach to unsteady free convection flow through a porous medium. <i>Applied Mathematics and Computation</i> , <b>1994</b> , 64, 191-205	2.7	12
61	On dual-phase-lag magneto-thermo-viscoelasticity theory with memory-dependent derivative. <i>Microsystem Technologies</i> , <b>2019</b> , 25, 2915-2929	1.7	12
60	Electromagneto interaction in fractional Green-Naghdi thermoelastic solid with a cylindrical cavity. <i>Waves in Random and Complex Media</i> , <b>2018</b> , 28, 150-168	1.9	11
59	On the coupled theory of thermo-piezoelectric/piezomagnetic materials with two temperatures. <i>Canadian Journal of Physics</i> , <b>2010</b> , 88, 307-315	1.1	11



58	Analytical aspects in boundary integral equation formulation for the generalized linear micropolar thermoelasticity. <i>International Journal of Mechanical Sciences</i> , <b>2004</b> , 46, 389-409	5.5	11
57	Fractional order theory to an infinite thermo-viscoelastic body with a cylindrical cavity in the presence of an axial uniform magnetic field. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2017</b> , 31, 495-513	1.3	10
56	Magneto-electro viscoelastic layer in functionally graded materials. <i>Composites Part B: Engineering</i> , <b>2011</b> , 42, 832-841	10	10
55	State space approach to one-dimensional magneto-thermoelasticity under the Green-Naghdi theories. <i>Canadian Journal of Physics</i> , <b>2009</b> , 87, 867-878	1.1	10
54	MAGNETOTHERMOELASTICITY WITH THERMAL RELAXATION IN A CONDUCTING MEDIUM WITH VARIABLE ELECTRICAL AND THERMAL CONDUCTIVITY. <i>Journal of Thermal Stresses</i> , <b>2002</b> , 25, 859-875	2.2	10
53	Application of fractional order theory of thermoelasticity to 3D time-dependent thermal shock problem for a half-space. <i>Mechanics of Advanced Materials and Structures</i> , <b>2017</b> , 24, 27-35	1.8	9
52	Generalized fractional magneto-thermo-viscoelasticity. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 1767-1777	1.7	9
51	Fractional phase-lag Green-Naghdi thermoelasticity theories. <i>Journal of Thermal Stresses</i> , <b>2017</b> , 40, 1063-1078	1.078	9
50	Electro-magnetic waves in generalized thermo-viscoelasticity for different theories. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2015</b> , 47, 95-111	0.4	9
49	Thermo-electric-visco-elastic material. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 117, 1934-1944	2.9	9
48	On thermo-viscoelastic infinitely long hollow cylinder with variable thermal conductivity. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 3263-3270	1.7	8
47	State space approach to magnetohydrodynamic flow of perfectly conducting micropolar fluid with stretch. <i>International Journal for Numerical Methods in Fluids</i> , <b>2012</b> , 70, 114-134	1.9	8
46	Thermal instability in a rotating micropolar fluid layer subject to an electric field. <i>International Journal of Engineering Science</i> , <b>2000</b> , 38, 1851-1867	5.7	8
45	Numerical study of the Stokes' first problem for thermoelectric micropolar fluid with fractional derivative heat transfer. <i>Magnetohydrodynamics</i> , <b>2014</b> , 50, 263-278	1.6	8
44	Fractional Green-Naghdi theory for thermoelectric MHD. <i>Waves in Random and Complex Media</i> , <b>2019</b> , 29, 631-644	1.9	8
43	On thermoelectric materials with memory-dependent derivative and subjected to a moving heat source. <i>Microsystem Technologies</i> , <b>2020</b> , 26, 595-608	1.7	8
42	Unified GN model of electro-thermoelasticity theories with fractional order of heat transfer. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 4965-4979	1.7	7
41	Thermoelectric spherical shell with fractional order heat transfer. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 891-899	1.7	7



40	Two-Temperature Theory in Thermo-Electric Viscoelastic Material Subjected to Modified Ohm's and Fourier's Laws. <i>Mechanics of Advanced Materials and Structures</i> , <b>2012</b> , 19, 453-464	1.8	7
39	Magneto-hydrodynamic boundary layer flow past a stretching plate and heat transfer. <i>Journal of Applied Mathematics</i> , <b>2004</b> , 2004, 9-21	1.1	7
38	The effects of thermal and mechanical material properties on tumorous tissue during hyperthermia treatment. <i>Journal of Thermal Biology</i> , <b>2020</b> , 92, 102649	2.9	7
37	Three-dimensional thermo-viscoelastic material. <i>Mechanics of Advanced Materials and Structures</i> , <b>2016</b> , 23, 108-116	1.8	6
36	Hyperbolic thermal-plasma wave propagation in semiconductor of organic material. <i>Waves in Random and Complex Media</i> , <b>2020</b> , 1-25	1.9	6
35	Stokes' First problem for a thermoelectric Newtonian fluid. <i>Meccanica</i> , <b>2013</b> , 48, 1161-1175	2.1	6
34	Stokes' First Problem for a Thermoelectric Fluid with Fractional-Order Heat Transfer. <i>Reports on Mathematical Physics</i> , <b>2014</b> , 74, 145-158	0.8	6
33	Free convection effects on extracellular fluid in the presence of a transverse magnetic field. <i>Applied Mathematics and Computation</i> , <b>2004</b> , 151, 455-482	2.7	6
32	THE RELAXATION EFFECTS OF THE VOLUME PROPERTIES OF VISCOELASTIC MATERIAL IN GENERALIZED THERMOELASTICITY WITH THERMAL RELAXATION. <i>Journal of Thermal Stresses</i> , <b>2003</b> , 26, 671-690	2.2	6
31	Study on the SEIQR model and applying the epidemiological rates of COVID-19 epidemic spread in Saudi Arabia. <i>Infectious Disease Modelling</i> , <b>2021</b> , 6, 678-692	15.7	6
30	Magneto-thermoelasticity with two fractional order heat transfer Peer review under responsibility of University of Bahrain. View all notes. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , <b>2016</b> , 19, 70-79		5
29	Thermodiffusion with two time delays and Kernel functions. <i>Mathematics and Mechanics of Solids</i> , <b>2018</b> , 23, 195-208	2.3	5
28	Skin tissue responses to transient heating with memory-dependent derivative. <i>Journal of Thermal Biology</i> , <b>2019</b> , 86, 102427	2.9	5
27	State space approach to two-dimensional magneto-thermoelasticity with fractional order heat transfer in a medium of perfect conductivity. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2015</b> , 49, 607-625	0.4	5
26	Magneto-Thermo-Viscoelastic Medium Associated with Wiedemann-Franz Law. <i>Mechanics of Advanced Materials and Structures</i> , <b>2014</b> , 21, 824-835	1.8	5
25	Electro-Magneto-Thermoelastic Plane Waves in Micropolar Solid Involving Two Temperatures. <i>Acta Mechanica Sinica</i> , <b>2010</b> , 23, 200-212	2	5
24	Free convection flow of conducting micropolar fluid with thermal relaxation including heat sources. <i>Journal of Applied Mathematics</i> , <b>2004</b> , 2004, 271-292	1.1	5
23	Modeling of fractional magneto-thermoelasticity for a perfect conducting materials. <i>Smart Structures and Systems</i> , <b>2016</b> , 18, 707-731		5

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21	Thermoelectric Viscoelastic Fluid with Fractional Integral and Derivative Heat Transfer. <i>Advances in Applied Mathematics and Mechanics</i> , <b>2015</b> , 7, 528-548	2.1	4
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19	On three models of magneto-hydrodynamic free-convection flow. <i>Canadian Journal of Physics</i> , <b>2009</b> , 87, 1213-1226	1.1	4
18	Analytical study of two-dimensional thermo-mechanical responses of viscoelastic skin tissue with temperature-dependent thermal conductivity and rheological properties. <i>Mechanics Based Design of Structures and Machines</i> , 1-18	1.7	4
17	Magneto-electric interactions without energy dissipation for a fractional thermoelastic spherical cavity. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 2895-2903	1.7	4
16	Application of fractional order theory to a functionally graded perfect conducting thermoelastic half space with variable Lamé Moduli. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 4891-4902	1.7	3
15	Power-law fluid flow of a hydromagnetic free jet. <i>Journal of Computational and Applied Mathematics</i> , <b>1994</b> , 54, 37-43	2.4	3
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13	A problem of a micropolar magnetohydrodynamic boundary-layer flow. <i>Canadian Journal of Physics</i> , <b>2000</b> , 77, 813-827	1.1	2
12	Two-temperature fractional Green-Naghdi of type III in magneto-thermo-viscoelasticity theory subjected to a moving heat source. <i>Indian Journal of Physics</i> , <b>2021</b> , 95, 657-671	1.4	2
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9	Heat transfer with thermal relaxation to a perfectly conducting polar fluid. <i>Heat and Mass Transfer</i> , <b>2004</b> , 41, 189	2.2	1
8	State space formulation for boundary-layer magneto-hydrodynamic free convection flow with one relaxation time. <i>Canadian Journal of Physics</i> , <b>2002</b> , 80, 1157-1174	1.1	1
7	Thermomechanical interactions in viscoelastic skin tissue under different theories. <i>Indian Journal of Physics</i> , 1	1.4	1
6	Bio-thermo-mechanics behavior in living viscoelastic tissue under the fractional dual-phase-lag theory. <i>Archive of Applied Mechanics</i> , <b>2021</b> , 91, 3903-3919	2.2	1
5	Memory-dependent derivative theory of ultrafast laser-induced behavior in magneto-thermo-viscoelastic metal films. <i>Indian Journal of Physics</i> , <b>2021</b> , 95, 1121-1130	1.4	1

4	Fractional thermo-viscoelasticity theory with and without energy dissipation. <i>Waves in Random and Complex Media</i> , <b>2020</b> , 1-20	1.9	o
3	On size-dependent thermo-viscoelasticity theory for piezoelectric materials. <i>Waves in Random and Complex Media</i> ,1-23	1.9	o
2	Analytical aspects in boundary integral equation formulation for the generalized linear micropolar thermoelasticity. <i>International Journal of Mechanical Sciences</i> , <b>2004</b> , 46, 389-389	5.5	
1	Thermo-mechanical memory responses in a thick tumorous skin tissue during hyperthermia treatment. <i>Waves in Random and Complex Media</i> ,1-25	1.9	