Magdy A Ezzat

List of Publications by Year
in descending order

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167 papers	6,040 citations	41323 49 h-index	114418 63 g-index
174 all docs	174 docs citations	174 times ranked	866 citing authors

#	Article	IF	Citations
1	Magneto-thermoelasticity with thermoelectric properties and fractional derivative heat transfer. Physica B: Condensed Matter, 2011, 406, 30-35.	1.3	180
2	Generalized thermo-viscoelasticity with memory-dependent derivatives. International Journal of Mechanical Sciences, 2014, 89, 470-475.	3.6	157
3	Thermoelectric MHD non-Newtonian fluid with fractional derivative heat transfer. Physica B: Condensed Matter, 2010, 405, 4188-4194.	1.3	141
4	Generalized thermoelasticity with memory-dependent derivatives involving two temperatures. Mechanics of Advanced Materials and Structures, 2016, 23, 545-553.	1.5	103
5	Theory of fractional order in generalized thermoelectric MHD. Applied Mathematical Modelling, 2011, 35, 4965-4978.	2.2	99
6	Two-temperature theory in magneto-thermoelasticity with fractional order dual-phase-lag heat transfer. Nuclear Engineering and Design, 2012, 252, 267-277.	0.8	93
7	Theory of fractional order in electro-thermoelasticity. European Journal of Mechanics, A/Solids, 2011, 30, 491-500.	2.1	92
8	Fractional Order Theory of Thermoelastic Diffusion. Journal of Thermal Stresses, 2011, 34, 851-872.	1.1	91
9	Fractional order theory of a perfect conducting thermoelastic medium. Canadian Journal of Physics, 2011, 89, 311-318.	0.4	89
10	Fractional modelling of Pennesâ€™ bioheat transfer equation. Heat and Mass Transfer, 2014, 50, 907-914.	1.2	89
11	Thermoelastic diffusion with memory-dependent derivative. Journal of Thermal Stresses, 2016, 39, 1035-1050.	1.1	81
12	Modeling of memory-dependent derivative in generalized thermoelasticity. European Physical Journal Plus, 2016, 131, 1.	1.2	80
13	Fractional order theory in thermoelastic solid with three-phase lag heat transfer. Archive of Applied Mechanics, 2012, 82, 557-572.	1.2	78
14	ELECTROMAGNETO-THERMOELASTIC PLANE WAVES WITH THERMAL RELAXATION IN A MEDIUM OF PERFECT CONDUCTIVITY. Journal of Thermal Stresses, 2001, 24, 411-432.	1.1	74
15	A novel magneto-thermoelasticity theory with memory-dependent derivative. Journal of Electromagnetic Waves and Applications, 2015, 29, 1018-1031.	1.0	73
16	Electro-thermoelasticity theory with memory-dependent derivative heat transfer. International Journal of Engineering Science, 2016, 99, 22-38.	2.7	73
17	Effects of variable thermal conductivity and fractional order of heat transfer on a perfect conducting infinitely long hollow cylinder. International Journal of Thermal Sciences, 2016, 108, 62-69.	2.6	72
18	Electromagneto-thermoelastic plane waves with two relaxation times in a medium of perfect conductivity. International Journal of Engineering Science, 2000, 38, 107-120.	2.7	71

#	ARTICLE	IF	CITATIONS
19	Generalized magneto-thermoelasticity in a perfectly conducting medium. International Journal of Solids and Structures, 2005, 42, 6319-6334.	1.3	71
20	Convolutional Variational Principle, Reciprocal and Uniqueness Theorems in Linear Fractional Two-Temperature Thermoelasticity. Journal of Thermal Stresses, 2011, 34, 264-284.	1.1	71
21	Memory-dependent derivatives theory of thermo-viscoelasticity involving two-temperature. Journal of Mechanical Science and Technology, 2015, 29, 4273-4279.	0.7	71
22	Free convection effects on a viscoelastic boundary layer flow with one relaxation time through a porous medium. Journal of the Franklin Institute, 1997, 334, 685-706.	1.9	70
23	Fractional order heat conduction law in magneto-thermoelasticity involving two temperatures. Zeitschrift Fur Angewandte Mathematik Und Physik, 2011, 62, 937-952.	0.7	70
24	The uniqueness and reciprocity theorems for generalized thermo-viscoelasticity with two relaxation times. International Journal of Engineering Science, 2002, 40, 1275-1284.	2.7	66
25	On the three-phase-lag linear micropolar thermoelasticity theory. European Journal of Mechanics, A/Solids, 2013, 40, 198-208.	2.1	65
26	A thermal-shock problem in magneto-thermoelasticity with thermal relaxation. International Journal of Solids and Structures, 1996, 33, 4449-4459.	1.3	63
27	On uniqueness and reciprocity theorems for generalized thermo-viscoelasticity with thermal relaxation. Canadian Journal of Physics, 2003, 81, 823-833.	0.4	62
28	State space approach to two-dimensional electromagnetoâ€“thermoelastic problem with two relaxation times. International Journal of Engineering Science, 2001, 39, 1383-1404.	2.7	61
29	Thermal shock problem in generalized thermo-viscoelasticty under four theories. International Journal of Engineering Science, 2004, 42, 649-671.	2.7	60
30	State space approach to thermoelectric fluid with fractional order heat transfer. Heat and Mass Transfer, 2012, 48, 71-82.	1.2	60
31	Fundamental solution in thermoelasticity with two relaxation times for cylindrical regions. International Journal of Engineering Science, 1995, 33, 2011-2020.	2.7	59
32	GENERATION OF GENERALIZED MAGNETOTHERMOELASTIC WAVES BY THERMAL SHOCK IN A PERFECTLY CONDUCTING HALF-SPACE. Journal of Thermal Stresses, 1997, 20, 617-633.	1.1	58
33	State space approach to generalized magneto-thermoelasticity with two relaxation times in a medium of perfect conductivity. International Journal of Engineering Science, 1997, 35, 741-752.	2.7	58
34	THE UNIQUENESS AND RECIPROCITY THEOREMS FOR GENERALIZED THERMOVISCOELASTICITY FOR ANISOTROPIC MEDIA. Journal of Thermal Stresses, 2002, 25, 507-522.	1.1	58
35	On the boundary integral formulation of thermo-viscoelasticity theory. International Journal of Engineering Science, 2002, 40, 1943-1956.	2.7	58
36	State space approach to generalized thermo-viscoelasticity with two relaxation times. International Journal of Engineering Science, 2002, 40, 283-302.	2.7	58

#	Article	IF	Citations
37	Constitutive Relations, Uniqueness of Solution, and Thermal Shock Application in the Linear Theory of Micropolar Generalized Thermoelasticity Involving Two Temperatures. Journal of Thermal Stresses, 2010, 33, 226-250.	1.1	58
38	On dual-phase-lag thermoelasticity theory with memory-dependent derivative. Mechanics of Advanced Materials and Structures, 2017, 24, 908-916.	1.5	58
39	State space approach to two-dimensional generalized thermo-viscoelasticity with two relaxation times. International Journal of Engineering Science, 2002, 40, 1251-1274.	2.7	57
40	Fundamental solution in generalized magneto-thermoelasticity with two relaxation times for perfect conductor cylindrical region. International Journal of Engineering Science, 2004, 42, 1503-1519.	2.7	56
41	State space approach to solids and fluids. Canadian Journal of Physics, 2008, 86, 1241-1250.	0.4	56
42	On the Two-Temperature Greenâ€“Naghdi Thermoelasticity Theories. Journal of Thermal Stresses, 2011, 34, 1207-1226.	1.1	56
43	Two-temperature theory in Greenâ€“Naghdi thermoelasticity with fractional phase-lag heat transfer. Microsystem Technologies, 2018, 24, 951-961.	1.2	56
44	Free convection effects on perfectly conducting fluid. International Journal of Engineering Science, 2001, 39, 799-819.	2.7	55
45	Generalized thermo-viscoelastic plane waves with two relaxation times. International Journal of Engineering Science, 2002, 40, 1329-1347.	2.7	55
46	The relaxation effects of the volume properties of electrically conducting viscoelastic material. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 130, 11-23.	1.7	55
47	Thermoelectric MHD with modified Fourierâ€™s law. International Journal of Thermal Sciences, 2011, 50, 449-455.	2.6	55
48	Fractional Fourier Law with Three-Phase Lag of Thermoelasticity. Mechanics of Advanced Materials and Structures, 2013, 20, 593-602.	1.5	55
49	A problem in generalized magneto-thermoelasticity for an infinitely long annular cylinder. Journal of Engineering Mathematics, 1998, 34, 387-402.	0.6	54
50	The dependence of the modulus of elasticity on reference temperature in generalized thermoelasticity with thermal relaxation. Applied Mathematics and Computation, 2004, 147, 169-189.	1.4	54
51	STATE-SPACE FORMULATION TO GENERALIZED THERMOVISCOELASTICITY WITH THERMAL RELAXATION. Journal of Thermal Stresses, 2001, 24, 823-846.	1.1	53
52	SOLUTION OF THE GENERALIZED PROBLEM OF THERMOELASTICITY IN THE FORM OF SERIES OF FUNCTIONS. Journal of Thermal Stresses, 1994, 17, 75-95.	1.1	52
53	State space approach to unsteady two-dimensional free convection flow through a porous medium. Canadian Journal of Physics, 1994, 72, 311-317.	0.4	52
54	Thermo-viscoelastic materials with fractional relaxation operators. Applied Mathematical Modelling, 2015, 39, 7499-7512.	2.2	51

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55	Magneto-thermoelectric viscoelastic materials with memory-dependent derivative involving two-temperature. International Journal of Applied Electromagnetics and Mechanics, 2016, 50, 549-567.	0.3	51
56	State space approach of two-temperature magneto-thermoelasticity with thermal relaxation in a medium of perfect conductivity. International Journal of Engineering Science, 2009, 47, 618-630.	2.7	50
57	Combined heat and mass transfer for unsteady MHD flow of perfect conducting micropolar fluid with thermal relaxation. Energy Conversion and Management, 2011, 52, 934-945.	4.4	50
58	State Space Approach to Viscoelastic Fluid Flow of Hydromagnetic Fluctuating Boundary-Layer through a Porous Medium. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1997, 77, 197-207.	0.9	49
59	Space approach to the hydro-magnetic flow of a dusty fluid through a porous medium. Computers and Mathematics With Applications, 2010, 59, 2868-2879.	1.4	48
60	Effects of variable thermal conductivity on Stokes' flow of a thermoelectric fluid with fractional order of heat transfer. International Journal of Thermal Sciences, 2016, 100, 305-315.	2.6	48
61	On the dual-phase-lag thermoelasticity theory. Meccanica, 2014, 49, 79-89.	1.2	46
62	On Thermo-viscoelasticity with Variable Thermal Conductivity and Fractional-Order Heat Transfer. International Journal of Thermophysics, 2015, 36, 1684-1697.	1.0	45
63	Stokesâ€™ first problem for an electro-conducting micropolar fluid with thermoelectric properties. Canadian Journal of Physics, 2010, 88, 35-48.	0.4	43
64	Fractional calculus in one-dimensional isotropic thermo-viscoelasticity. Comptes Rendus - Mecanique, 2013, 341, 553-566.	2.1	41
65	Two-temperature theory of magneto-thermo-viscoelasticity with fractional derivative and integral orders heat transfer. Journal of Electromagnetic Waves and Applications, 2014, 28, 1985-2004.	1.0	40
66	Fractional ultrafast laser-induced magneto-thermoelastic behavior in perfect conducting metal films. Journal of Electromagnetic Waves and Applications, 2014, 28, 64-82.	1.0	39
67	Boundary integral equation formulation for the generalized thermoviscoelasticity with two relaxation times. Applied Mathematics and Computation, 2004, 151, 347-362.	1.4	36
68	Three-dimensional thermal shock problem of generalized thermoelastic half-space. Applied Mathematical Modelling, 2010, 34, 3608-3622.	2.2	36
69	DISCONTINUITIES IN GENERALIZED THERMO-VISCOELASTICITY UNDER FOUR THEORIES. Journal of Thermal Stresses, 2004, 27, 1187-1212.	1.1	35
70	Propagation of Discontinuities in Thermopiezoelectric Rod. Journal of Thermal Stresses, 2005, 28, 997-1030.	1.1	34
71	Tissue responses to fractional transient heating with sinusoidal heat flux condition on skin surface. Animal Science Journal, 2016, 87, 1304-1311.	0.6	34
72	A new dynamical modeling SEIR with global analysis applied to the real data of spreading COVID-19 in Saudi Arabia. Mathematical Biosciences and Engineering, 2020, 17, 7018-7044.	1.0	34

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73	Fractional Ultrafast Laserâ€“Induced Thermo-Elastic Behavior In Metal Films. Journal of Thermal Stresses, 2012, 35, 637-651.	1.1	33
74	Two-dimensional problem for thermoviscoelastic materials with fractional order heat transfer. Journal of Thermal Stresses, 2019, 42, 1298-1315.	1.1	33
75	Thermoelectric viscoelastic materials with memory-dependent derivative. Smart Structures and Systems, 2017, 19, 539-551.	1.9	32
76	Fractional thermoelasticity applications for porous asphaltic materials. Petroleum Science, 2016, 13, 550-560.	2.4	31
77	THE DEPENDENCE OF THE MODULUS OF ELASTICITY ON THE REFERENCE TEMPERATURE IN GENERALIZED THERMOELASTICITY. Journal of Thermal Stresses, 2001, 24, 1159-1176.	1.1	30
78	The relaxation effects of the volume properties of viscoelastic material in generalized thermoelasticity. International Journal of Engineering Science, 2003, 41, 2281-2298.	2.7	30
79	On the phase- lag Greenâ€“Naghdi thermoelasticity theories. Applied Mathematical Modelling, 2016, 40, 5643-5659.	2.2	30
80	Fractional thermo-viscoelastic response of biological tissue with variable thermal material properties. Journal of Thermal Stresses, 2020, 43, 1120-1137.	1.1	30
81	Fractional thermoelectric viscoelastic materials. Journal of Applied Polymer Science, 2012, 124, 2187-2199.	1.3	29
82	A modified SEIR model applied to the data of COVID-19 spread in Saudi Arabia. AIP Advances, 2020, 10, 125210.	0.6	29
83	Uniqueness and reciprocal theorems in linear micropolar electro-magnetic thermoelasticity with two relaxation times. Mechanics of Time-Dependent Materials, 2009, 13, 93-115.	2.3	27
84	Generalized thermoelasticity with temperature dependent modulus of elasticity under three theories. Journal of Applied Mathematics and Computing, 2004, 14, 193-212.	1.2	25
85	Magnetothermoelasticity with two relaxation times in conducting medium with variable electrical and thermal conductivity. Applied Mathematics and Computation, 2003, 142, 449-467.	1.4	24
86	Two-temperature theory in generalized magneto-thermoelasticity with two relaxation times. Meccanica, 2011, 46, 785-794.	1.2	24
87	Two-Temperature Theory in Three-Dimensional Problem for Thermoelastic Half Space Subjected to Ramp Type Heating. Mechanics of Advanced Materials and Structures, 2014, 21, 293-304.	1.5	24
88	On phase-lag Greenâ€“Naghdi theory without energy dissipation for electro-thermoelasticity including heat sources. Mechanics Based Design of Structures and Machines, 2019, 47, 769-786.	3.4	23
89	STATE SPACE APPROACH TO TWO-DIMENSIONAL GENERALIZED THERMOVISCOELASTICITY WITH ONE RELAXATION TIME. Journal of Thermal Stresses, 2002, 25, 295-316.	1.1	22
90	STATE-SPACE APPROACH TO GENERALIZED MAGNETOTHERMOELASTICITY WITH THERMAL RELAXATION IN A MEDIUM OF PERFECT CONDUCTIVITY. Journal of Thermal Stresses, 2002, 25, 409-429.	1.1	22

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91	State Space Approach of Two-Temperature Magneto-Viscoelasticity Theory with Thermal Relaxation in a Medium of Perfect Conductivity. Journal of Thermal Stresses, 2009, 32, 819-838.	1.1	22
92	Modified Fourier's Law with Time-Delay and Kernel Function: Application in Thermoelasticity. Journal of Thermal Stresses, 2015, 38, 811-834.	1.1	22
93	Study on the SEIQR model and applying the epidemiological rates of COVID-19 epidemic spread in Saudi Arabia. Infectious Disease Modelling, 2021, 6, 678-692.	1.2	22
94	Micropolar generalized magneto-thermoelasticity with modified Ohm's and Fourier's laws. Journal of Mathematical Analysis and Applications, 2009, 353, 99-113.	0.5	21
95	Two-temperature Greenâ€“Naghdi theory of type III in linear thermoviscoelastic anisotropic solid. Applied Mathematical Modelling, 2015, 39, 2155-2171.	2.2	21
96	The effects of thermal and mechanical material properties on tumorous tissue during hyperthermia treatment. Journal of Thermal Biology, 2020, 92, 102649.	1.1	21
97	A proposed modified SEIQR epidemic model to analyze the COVID-19 spreading in Saudi Arabia. AEJ - Alexandria Engineering Journal, 2022, 61, 2456-2470.	3.4	21
98	On dual-phase-lag magneto-thermo-viscoelasticity theory with memory-dependent derivative. Microsystem Technologies, 2019, 25, 2915-2929.	1.2	20
99	Electromagneto-hydrodynamic instability in a horizontal viscoelastic fluid layer with one relaxation time. Acta Mechanica, 2001, 150, 1-9.	1.1	19
100	Propagation of Discontinuities in Magneto-Thermoelastic Half-Space. Journal of Thermal Stresses, 2006, 29, 331-358.	1.1	19
101	Generalized Magneto-Thermoelasticity with Modified Ohm's Law. Mechanics of Advanced Materials and Structures, 2009, 17, 74-84.	1.5	17
102	State Space Approach for Conducting Magneto-Thermoelastic Medium with Variable Electrical and Thermal Conductivity Subjected to Ramp-Type Heating. Journal of Thermal Stresses, 2009, 32, 414-427.	1.1	17
103	Effects of modified Ohmâ€™s and Fourierâ€™s laws on generalized magneto-viscoelastic thermoelasticity with relaxation volume properties. International Journal of Engineering Science, 2010, 48, 460-472.	2.7	17
104	Application of fractional order theory of magneto-thermoelasticity to an infinite perfect conducting body with a cylindrical cavity. Microsystem Technologies, 2017, 23, 2447-2458.	1.2	17
105	Two-temperature theory in generalized magneto-thermo-viscoelasticity. Canadian Journal of Physics, 2009, 87, 329-336.	0.4	16
106	Thermoelectric MHD with memory-dependent derivative heat transfer. International Communications in Heat and Mass Transfer, 2016, 75, 270-281.	2.9	16
107	Hyperbolic thermal-plasma wave propagation in semiconductor of organic material. Waves in Random and Complex Media, 2022, 32, 334-358.	1.6	16
108	Bio-thermo-mechanics behavior in living viscoelastic tissue under the fractional dual-phase-lag theory. Archive of Applied Mechanics, 2021, 91, 3903-3919.	1.2	16

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109	On size-dependent thermo-viscoelasticity theory for piezoelectric materials. Waves in Random and Complex Media, 0, , 1-23.	1.6	16
110	A problem of a viscoelastic magnetohydrodynamic fluctuating-boundary-layer flow past an infinite porous plate. Canadian Journal of Physics, 1993, 71, 97-105.	0.4	14
111	State space approach to unsteady free convection flow through a porous medium. Applied Mathematics and Computation, 1994, 64, 191-205.	1.4	13
112	Analytical aspects in boundary integral equation formulation for the generalized linear micropolar thermoelasticity. International Journal of Mechanical Sciences, 2004, 46, 389-409.	3.6	13
113	Magneto-electro viscoelastic layer in functionally graded materials. Composites Part B: Engineering, 2011, 42, 832-841.	5.9	13
114	On thermo-viscoelastic infinitely long hollow cylinder with variable thermal conductivity. Microsystem Technologies, 2017, 23, 3263-3270.	1.2	13
115	Electroâ€“magneto interaction in fractional Green-Naghdi thermoelastic solid with a cylindrical cavity. Waves in Random and Complex Media, 2018, 28, 150-168.	1.6	13
116	On thermoelectric materials with memory-dependent derivative and subjected to a moving heat source. Microsystem Technologies, 2020, 26, 595-608.	1.2	13
117	State-space approach to nonlocal thermo-viscoelastic piezoelectric materials with fractional dual-phase lag heat transfer. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 3726-3750.	1.6	13
118	State space approach to one-dimensional magneto-thermoelasticity under the Greenâ€“Naghdi theories. Canadian Journal of Physics, 2009, 87, 867-878.	0.4	12
119	On the coupled theory of thermo-piezoelectric/piezomagnetic materials with two temperatures. Canadian Journal of Physics, 2010, 88, 307-315.	0.4	12
120	Fractional phase-lag Greenâ€“Naghdi thermoelasticity theories. Journal of Thermal Stresses, 2017, 40, 1063-1078.	1.1	12
121	Fractional Greenâ€“Naghdi theory for thermoelectric MHD. Waves in Random and Complex Media, 2019, 29, 631-644.	1.6	12
122	Thermoâ€electricâ€viscoâ€elastic material. Journal of Applied Polymer Science, 2010, 117, 1934-1944.	1.3	11
123	State space approach to magnetohydrodynamic flow of perfectly conducting micropolar fluid with stretch. International Journal for Numerical Methods in Fluids, 2012, 70, 114-134.	0.9	11
124	Application of fractional order theory of thermoelasticity to 3D time-dependent thermal shock problem for a half-space. Mechanics of Advanced Materials and Structures, 2017, 24, 27-35.	1.5	11
125	Fractional order theory to an infinite thermo-viscoelastic body with a cylindrical cavity in the presence of an axial uniform magnetic field. Journal of Electromagnetic Waves and Applications, 2017, 31, 495-513.	1.0	11
126	Thermo-mechanical memory responses of biological viscoelastic tissue with variable thermal material properties. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 548-569.	1.6	11

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127	Thermal instability in a rotating micropolar fluid layer subject to an electric field. International Journal of Engineering Science, 2000, 38, 1851-1867.	2.7	10
128	MAGNETOTHERMOELASTICITY WITH THERMAL RELAXATION IN A CONDUCTING MEDIUM WITH VARIABLE ELECTRICAL AND THERMAL CONDUCTIVITY. Journal of Thermal Stresses, 2002, 25, 859-875.	1.1	10
129	Generalized fractional magneto-thermo-viscoelasticity. Microsystem Technologies, 2017, 23, 1767-1777.	1.2	10
130	Thermodiffusion with two time delays and Kernel functions. Mathematics and Mechanics of Solids, 2018, 23, 195-208.	1.5	10
131	Thermoelectric spherical shell with fractional order heat transfer. Microsystem Technologies, 2018, 24, 891-899.	1.2	10
132	Analytical study of two-dimensional thermo-mechanical responses of viscoelastic skin tissue with temperature-dependent thermal conductivity and rheological properties. Mechanics Based Design of Structures and Machines, 2023, 51, 2776-2793.	3.4	10
133	A problem of a micropolar magnetohydrodynamic boundary-layer flow. Canadian Journal of Physics, 2000, 77, 813-827.	0.4	9
134	THE RELAXATION EFFECTS OF THE VOLUME PROPERTIES OF VISCOELASTIC MATERIAL IN GENERALIZED THERMOELASTICITY WITH THERMAL RELAXATION. Journal of Thermal Stresses, 2003, 26, 671-690.	1.1	9
135	Electro-magnetic waves in generalized thermo-viscoelasticity for different theories. International Journal of Applied Electromagnetics and Mechanics, 2015, 47, 95-111.	0.3	9
136	Unified GN model of electro-thermoelasticity theories with fractional order of heat transfer. Microsystem Technologies, 2018, 24, 4965-4979.	1.2	9
137	Thermomechanical interactions in viscoelastic skin tissue under different theories. Indian Journal of Physics, 2023, 97, 47-60.	0.9	9
138	Magnetohydrodynamic boundary layer flow past a stretching plate and heat transfer. Journal of Applied Mathematics, 2004, 2004, 9-21.	0.4	8
139	Two-Temperature Theory in Thermo-Electric Viscoelastic Material Subjected to Modified Ohm's and Fourier's Laws. Mechanics of Advanced Materials and Structures, 2012, 19, 453-464.	1.5	8
140	Stokes' First Problem for a Thermoelectric Fluid with Fractional-Order Heat Transfer. Reports on Mathematical Physics, 2014, 74, 145-158.	0.4	8
141	Numerical study of the Stokes' first problem for thermoelectric micropolar fluid with fractional derivative heat transfer. Magnetohydrodynamics, 2014, 50, 263-278.	0.5	8
142	Free convection flow of conducting micropolar fluid with thermal relaxation including heat sources. Journal of Applied Mathematics, 2004, 2004, 271-292.	0.4	7
143	Free convection effects on extracellular fluid in the presence of a transverse magnetic field. Applied Mathematics and Computation, 2004, 151, 455-482.	1.4	7
144	Electro-Magneto-Thermoelastic Plane Waves in Micropolar Solid Involving Two Temperatures. Acta Mechanica Solida Sinica, 2010, 23, 200-212.	1.0	7

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145	Three-dimensional thermo-viscoelastic material. Mechanics of Advanced Materials and Structures, 2016, 23, 108-116.	1.5	7
146	Magneto-electric interactions without energy dissipation for a fractional thermoelastic spherical cavity. Microsystem Technologies, 2018, 24, 2895-2903.	1.2	7
147	Skin tissue responses to transient heating with memory-dependent derivative. Journal of Thermal Biology, 2019, 86, 102427.	1.1	7
148	Stokesâ€™ first problem for a thermoelectric Newtonian fluid. Meccanica, 2013, 48, 1161-1175.	1.2	6
149	Magneto-Thermo-Viscoelastic Medium Associated with Wiedemann-Franz Law. Mechanics of Advanced Materials and Structures, 2014, 21, 824-835.	1.5	6
150	State space approach to two-dimensional magneto-thermoelasticity with fractional order heat transfer in a medium of perfect conductivity. International Journal of Applied Electromagnetics and Mechanics, 2015, 49, 607-625.	0.3	6
151	Magneto-thermoelasticity with two fractional order heat transfer. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2016, 19, 70-79.	1.0	6
152	Two-temperature fractional Greenâ€“Naghdi of type III in magneto-thermo-viscoelasticity theory subjected to a moving heat source. Indian Journal of Physics, 2021, 95, 657-671.	0.9	6
153	Two-dimensional thermo-mechanical fractional responses to biological tissue with rheological properties. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 1944-1960.	1.6	6
154	Analytical Aspects in the Theory of Thermoelastic Bodies with Microstructure and Two Temperatures. Journal of Thermal Stresses, 2010, 33, 674-693.	1.1	5
155	Modeling of fractional magneto-thermoelasticity for a perfect conducting materials. Smart Structures and Systems, 2016, 18, 707-731.	1.9	5
156	Power-law fluid flow of a hydromagnetic free jet. Journal of Computational and Applied Mathematics, 1994, 54, 37-43.	1.1	4
157	State space formulation for boundary-layer magneto-hydrodynamic free convection flow with one relaxation time. Canadian Journal of Physics, 2002, 80, 1157-1174.	0.4	4
158	On three models of magneto-hydrodynamic free-convection flow. Canadian Journal of Physics, 2009, 87, 1213-1226.	0.4	4
159	Thermoelectric Viscoelastic Fluid with Fractional Integral and Derivative Heat Transfer. Advances in Applied Mathematics and Mechanics, 2015, 7, 528-548.	0.7	4
160	Application of fractional order theory to a functionally graded perfect conducting thermoelastic half space with variable LamÃ©â€™s Modulii. Microsystem Technologies, 2017, 23, 4891-4902.	1.2	4
161	Thermo-mechanical memory responses in a thick tumorous skin tissue during hyperthermia treatment. Waves in Random and Complex Media, 0, , 1-25.	1.6	4
162	Fractional thermo-viscoelasticity theory with and without energy dissipation. Waves in Random and Complex Media, 2022, 32, 1903-1922.	1.6	3

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163	Heat transfer with thermal relaxation to a perfectly conducting polar fluid. Heat and Mass Transfer, 2004, 41, 189.	1.2	2
164	A Theory of Heat and Mass Transfer in Viscoelastic Solids with Microstructures. Journal of Thermal Stresses, 2011, 34, 795-816.	1.1	2
165	Memory-dependent derivative theory of ultrafast laser-induced behavior in magneto-thermo-viscoelastic metal films. Indian Journal of Physics, 2021, 95, 1121-1130.	0.9	2
166	Analytical aspects in boundary integral equation formulation for the generalized linear micropolar thermoelasticity. International Journal of Mechanical Sciences, 2004, 46, 389-389.	3.6	1
167	State space approach to unsteady magnetohydrodynamics natural convection heat and mass transfer through a porous medium saturated with a viscoelastic fluid. Journal of Applied Mechanics and Technical Physics, 2014, 55, 660-671.	0.1	1