

List of Publications by Citations

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

109 papers	1,585 citations	26 h-index	35 g-index
121 ext. papers	2,205 ext. citations	2.6 avg, IF	6.35 L-index

#	Paper	IF	Citations
109	The elastic wave motions for a photothermal medium of a dual-phase-lag model with an internal heat source and gravitational field. <i>Canadian Journal of Physics</i> , 2016 , 94, 400-409	1.1	83
108	Response of a semiconducting infinite medium under two temperature theory with photothermal excitation due to laser pulses. <i>Optics and Laser Technology</i> , 2017 , 97, 198-208	4.2	67
107	Memory-dependent derivatives for photothermal semiconducting medium in generalized thermoelasticity with two-temperature. <i>Mechanics of Time-Dependent Materials</i> , 2017 , 21, 519-534	1.2	60
106	Photothermal waves for two temperature with a semiconducting medium under using a dual-phase-lag model and hydrostatic initial stress. <i>Waves in Random and Complex Media</i> , 2017 , 27, 482-501	1.9	60
105	Two-temperature plane strain problem in a semiconducting medium under photothermal theory. <i>Waves in Random and Complex Media</i> , 2017 , 27, 67-91	1.9	56
104	Effect of Variable Thermal Conductivity during the Photothermal Diffusion Process of Semiconductor Medium. <i>Silicon</i> , 2019 , 11, 1863-1873	2.4	51
103	On the plane waves of generalized thermo-microstretch elastic half-space under three theories. <i>International Communications in Heat and Mass Transfer</i> , 2010 , 37, 192-200	5.8	49
102	A novel model for photothermal excitation of variable thermal conductivity semiconductor elastic medium subjected to mechanical ramp type with two-temperature theory and magnetic field. <i>Scientific Reports</i> , 2019 , 9, 3319	4.9	47
101	Thermomagnetic effect with microtemperature in a semiconducting photothermal excitation medium. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2018 , 39, 783-796	3.2	47
100	Two-Dimensional Problem of Two Temperature Generalized Thermoelasticity with Normal Mode Analysis Under Thermal Shock Problem. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015 , 12, 1709-1719	0.3	46
99	A novel solution of fractional order heat equation for photothermal waves in a semiconductor medium with a spherical cavity. <i>Chaos, Solitons and Fractals</i> , 2017 , 99, 233-242	9.3	44
98	A novel model of photothermal diffusion (PTD) for polymer nano-composite semiconducting of thin circular plate. <i>Physica B: Condensed Matter</i> , 2018 , 537, 320-328	2.8	41
97	Response of electromagnetic and Thomson effect of semiconductor medium due to laser pulses and thermal memories during photothermal excitation. <i>Results in Physics</i> , 2020 , 16, 102877	3.7	41
96	The Influence of Gravity on 2-D Problem of Two Temperature Generalized Thermoelastic Medium with Thermal Relaxation. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015 , 12, 2587-2600	0.3	40
95	Generalized thermo-microstretch elastic medium with temperature dependent properties for different theories. <i>Engineering Analysis With Boundary Elements</i> , 2010 , 34, 229-237	2.6	39
94	Effect of rotation on plane waves in generalized thermo-microstretch elastic solid with one relaxation time. <i>Multidiscipline Modeling in Materials and Structures</i> , 2011 , 7, 43-62	2.2	33
93	Photothermal excitation processes with refined multi dual phase-lags theory for semiconductor elastic medium. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 1-9	6.1	32

92	Thermomechanical Response Model on a Reflection Photothermal Diffusion Waves (RPTD) for Semiconductor Medium. <i>Silicon</i> , 2020 , 12, 199-209	2.4	30
91	Thermomagnetic effect with two temperature theory for photothermal process under hydrostatic initial stress. <i>Results in Physics</i> , 2017 , 7, 3918-3927	3.7	29
90	Rotation and Magnetic Field Effect on Surface Waves Propagation in an Elastic Layer Lying over a Generalized Thermoelastic Diffusive Half-Space with Imperfect Boundary. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-15	1.1	29
89	A novel model of magneto photothermal diffusion (MPD) on polymer nano-composite semiconductor with initial stress. <i>Waves in Random and Complex Media</i> , 2021 , 31, 83-100	1.9	28
88	Two temperature generalized magneto-thermoelastic interactions in an elastic medium under three theories. <i>Applied Mathematics and Computation</i> , 2014 , 227, 871-888	2.7	27
87	Gravitational effect and initial stress on generalized magneto-thermo-microstretch elastic solid for different theories. <i>Applied Mathematics and Computation</i> , 2014 , 230, 597-615	2.7	26
86	The effect of magnetic field and rotation of the 2-D problem of a fiber-reinforced thermoelastic under three theories with influence of gravity. <i>Mechanics of Materials</i> , 2013 , 60, 129-143	3.3	26
85	Normal Mode Method for Two-Temperature Generalized Thermoelasticity Under Thermal Shock Problem. <i>Journal of Thermal Stresses</i> , 2014 , 37, 545-560	2.2	26
84	Mode-I crack in a two-dimensional fibre-reinforced generalized thermoelastic problem. <i>Chinese Physics B</i> , 2012 , 21, 014209	1.2	26
83	Transient Disturbance in a Half-Space under Generalized Magneto-Thermoelasticity with Internal Heat Source. <i>Acta Physica Polonica A</i> , 2009 , 116, 185-192	0.6	25
82	Generalized Magneto-Thermoelasticity with Fractional Derivative Heat Transfer for a Rotation of a Fibre-Reinforced Thermoelastic. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015 , 12, 1869-1881	0.3	24
81	Two-Dimensional Problem of Generalized Magneto-Thermoelasticity with Temperature Dependent Elastic Moduli for Different Theories. <i>Multidiscipline Modeling in Materials and Structures</i> , 2009 , 5, 235-242	2.2	24
80	Analytical solution of magneto-photothermal theory during variable thermal conductivity of a semiconductor material due to pulse heat flux and volumetric heat source. <i>Waves in Random and Complex Media</i> , 2020 , 1-18	1.9	21
79	The influence of variable thermal conductivity of semiconductor elastic medium during photothermal excitation subjected to thermal ramp type. <i>Results in Physics</i> , 2019 , 15, 102766	3.7	20
78	Thermal-piezoelectric problem of a semiconductor medium during photo-thermal excitation. <i>Waves in Random and Complex Media</i> , 2020 , 1-15	1.9	19
77	Effects of variable thermal conductivity of a small semiconductor cavity through the fractional order heat-magneto-photothermal theory. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	18
76	Electromagnetic Hall current effect and fractional heat order for microtemperature photo-excited semiconductor medium with laser pulses. <i>Results in Physics</i> , 2020 , 17, 103161	3.7	18
75	Electromagnetic and Thomson effects during photothermal transport process of a rotator semiconductor medium under hydrostatic initial stress. <i>Results in Physics</i> , 2020 , 16, 102983	3.7	17

74	Analytical solutions of time-fractional heat order for a magneto-photothermal semiconductor medium with Thomson effects and initial stress. <i>Results in Physics</i> , 2020 , 18, 103174	3.7	17
73	Variable thermal conductivity and hyperbolic two-temperature theory during magneto-photothermal theory of semiconductor induced by laser pulses. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	15
72	Photo-Thermal-Elastic Interaction in a Functionally Graded Material (FGM) and Magnetic Field. <i>Silicon</i> , 2020 , 12, 295-303	2.4	13
71	Ramp-type heating microtemperature for a rotator semiconducting material during photo-excited processes with magnetic field. <i>Results in Physics</i> , 2020 , 19, 103338	3.7	12
70	Response of Semiconductor Medium of Variable Thermal Conductivity Due to Laser Pulses with Two-Temperature through Photothermal Process. <i>Silicon</i> , 2019 , 11, 2719-2730	2.4	12
69	The effect of thermal relaxation times on wave propagation of micropolar thermoelastic medium with voids due to various sources. <i>Multidiscipline Modeling in Materials and Structures</i> , 2010 , 6, 214-228	2.2	11
68	Hall current influence of microtemperature magneto-elastic semiconductor material. <i>Superlattices and Microstructures</i> , 2020 , 139, 106428	2.8	10
67	Effect of rotation on plane waves in generalized thermo-microstretch elastic solid with a relaxation time. <i>Meccanica</i> , 2012 , 47, 1467-1486	2.1	10
66	The effect of rotation on plane waves in generalized thermo-microstretch elastic solid with one relaxation time for a mode-I crack problem. <i>Chinese Physics B</i> , 2011 , 20, 074601	1.2	10
65	A novel photothermal excitation cracked medium in gravitational field with two-temperature and hydrostatic initial stress. <i>Waves in Random and Complex Media</i> , 2019 , 29, 344-367	1.9	10
64	Analytical solution of fractional order heat equation under the effects of variable thermal conductivity during photothermal excitation of spherical cavity of semiconductor medium. <i>Waves in Random and Complex Media</i> , 2021 , 31, 239-254	1.9	10
63	Piezo-photo-thermoelasticity transport process for hyperbolic two-temperature theory of semiconductor material. <i>International Journal of Modern Physics C</i> , 2150088	1.1	9
62	Effect of rotation and magnetic field on a numerical-refined heat conduction in a semiconductor medium during photo-excitation processes. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	9
61	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
60	Two Temperature Theory in a Rotating Semiconducting Medium Under Photothermal Theory with Hydrostatic Initial Stress. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017 , 14, 899-909	0.3	8
59	Response of Thermo- Electro-Magneto Semiconductor Elastic Medium to Photothermal Excitation Process with Thomson Influence. <i>Silicon</i> , 2020 , 12, 2789-2798	2.4	8
58	Effect of magneto-rotator-diffusive waves on the photothermal excitation medium of a dual-phase-lag model and variable thermal conductivity. <i>Journal of Electromagnetic Waves and Applications</i> , 2020 , 34, 330-348	1.3	8
57	Analytical Solutions of Photo-Thermal-Elastic Waves in a Semiconductor Material Due to Pulse Heat Flux with Thermal Memory. <i>Silicon</i> , 2020 , 12, 263-273	2.4	8

56	Effect of variable thermal conductivity and rotation of semiconductor elastic medium through two-temperature photothermal excitation. <i>Waves in Random and Complex Media</i> , 2021 , 31, 372-388	1.9	8
55	A photothermal excitation for a semiconductor medium due to pulse heat flux and volumetric source of heat with thermal memory. <i>Waves in Random and Complex Media</i> , 2019 , 1-19	1.9	6
54	Thomson and rotation effects during photothermal excitation process in magnetic semiconductor medium using variable thermal conductivity. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2020 , 41, 909-926	3.2	6
53	A 2D problem of time-fractional heat order for two-temperature thermoelasticity under hydrostatic initial stress. <i>Mechanics of Advanced Materials and Structures</i> , 2018 , 25, 279-285	1.8	6
52	The Effect of Magnetic Field on 2-D Problem for a Mode-I Crack of a Fiber-Reinforced in Generalized Thermoelasticity. <i>International Journal of Thermophysics</i> , 2014 , 35, 154-174	2.1	6
51	Transient disturbance in a half-space under generalized magneto-thermoelasticity with a stable internal heat source under three theories. <i>Multidiscipline Modeling in Materials and Structures</i> , 2011 , 7, 73-90	2.2	6
50	The effect of a magnetic field on a 2D problem of fibre-reinforced thermoelasticity rotation under three theories. <i>Chinese Physics B</i> , 2012 , 21, 064214	1.2	6
49	Effect of Rotation for Two-Temperature Generalized Thermoelasticity of Two-Dimensional under Thermal Shock Problem. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-13	1.1	5
48	Analytical solution of a rotating semiconductor elastic medium due to a refined heat conduction equation with hydrostatic initial stress. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 4947-4958	6.1	5
47	Memory-dependent derivatives (MDD) of magneto-thermal-elastic waves excited by laser pulses for two-temperature theory. <i>Waves in Random and Complex Media</i> , 2020 , 1-20	1.9	5
46	Numerical solution and dynamical behaviors for solving fractional nonlinear Rubella ailment disease model. <i>Results in Physics</i> , 2021 , 24, 104091	3.7	5
45	The Hyperbolic Two Temperature Semiconducting Thermoelastic Waves by Laser Pulses. <i>Computers, Materials and Continua</i> , 2021 , 67, 3601-3618	3.9	5
44	Effect of variable thermal conductivity of semiconductor elastic medium during photothermal excitation subjected to thermal ramp type. <i>Waves in Random and Complex Media</i> , 2020 , 1-13	1.9	4
43	Use of optimal control in studying the dynamical behaviors of fractional financial awareness models. <i>Soft Computing</i> , 2022 , 26, 3401	3.5	4
42	Wave Propagation of Generalized Magneto-Thermoelastic Interactions in an Elastic Medium Under Influence of Initial Stress. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2020 , 44, 919-931	1.2	4
41	Absorption illumination of a 2D rotator semi-infinite thermoelastic medium using a modified Green and Lindsay model. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101165	5.6	4
40	Transient thermo-elastic disturbances in a visco-elastic semi-space due to moving internal heat source. <i>International Journal of Structural Integrity</i> , 2011 , 2, 264-280	1	3
39	Thermal-microstretch elastic semiconductor medium with rotation field during photothermal transport processes. <i>Mechanics Based Design of Structures and Machines</i> , 1-21	1.7	3

38	A Magneto-Photothermal Theory of a Semiconductor Media Due to Pulse Heat Flux and Volumetric Heat Source with Initial Stress. <i>Silicon</i> , 2020 , 12, 963-974	2.4	3
37	PhotoElastoThermomodiffusion waves of semiconductor with ramp-type heating for electronsHoles-coupled model with initial stress. <i>Waves in Random and Complex Media</i> ,1-19	1.9	3
36	A novel magneto-photo-elasto-thermodiffusion electrons-holes model of excited semiconductor. <i>Case Studies in Thermal Engineering</i> , 2022 , 32, 101877	5.6	3
35	Electromagnetic Hall current and variable thermal conductivity influence for microtemperature photothermal excitation process of semiconductor material. <i>Waves in Random and Complex Media</i> , 2020 , 1-18	1.9	2
34	Functionally graded (FG) magneto-photo-thermoelastic semiconductor material with hyperbolic two-temperature theory. <i>Journal of Applied Physics</i> , 2022 , 131, 045101	2.5	2
33	Plane Waves on a Gravitational Rotating Fibre-Reinforced Thermoelastic Medium with Thermal Shock Problem. <i>Journal of Advanced Physics</i> , 2018 , 7, 58-69		2
32	The thermoelectric effect of a refined heat equation during the photothermal excitation due to two-temperature theory with laser pulses. <i>Journal of Applied Physics</i> , 2020 , 128, 125106	2.5	2
31	Plasma-elastic-thermal propagation of a rotator semiconductor magneto-electric medium during microtemperature and photothermal excitation processes subjected to mechanical ramp type. <i>Waves in Random and Complex Media</i> , 2020 , 1-21	1.9	2
30	A Mode-I crack for a rotational fibre-reinforced thermoelastic medium with thermal relaxation time. <i>Waves in Random and Complex Media</i> ,1-22	1.9	2
29	Temperature dependent thermal conductivity during photothermal excitation process of semiconductor medium with an internal heat source in gravitational field. <i>Results in Physics</i> , 2021 , 22, 103867	3.7	2
28	Memory-Dependent-Derivatives (MDD) for magneto-thermal-plasma semiconductor medium induced by laser pulses with hyperbolic two temperature theory. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 2396-2396	6.1	2
27	Exact and numerical solutions for the GBBM equation using an adaptive moving mesh method. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 4441-4450	6.1	2
26	Photothermal Excitation Process during Hyperbolic Two-Temperature Theory for Magneto-Thermo-Elastic Semiconducting Medium. <i>Silicon</i> , 2020 , 13, 2275	2.4	1
25	Variable thermal conductivity during photo-thermoelasticity theory of semiconductor medium induced by laser pulses with hyperbolic two-temperature theory. <i>Waves in Random and Complex Media</i> ,1-23	1.9	1
24	Response of Mechanical Ramp Type of Semiconductor Magneto-Rotator Medium with Variable Thermal Conductivity during Photo-Excitation Microelement Processes. <i>Silicon</i> , 2020 , 1	2.4	1
23	Thomson effect in thermo-electro-magneto semiconductor medium during photothermal excitation process. <i>Waves in Random and Complex Media</i> , 2020 , 1-19	1.9	1
22	Photo-elastic-dynamic impacts of the Hall current with rotation in ramp-type heating microelement semiconductor medium. <i>Waves in Random and Complex Media</i> ,1-21	1.9	1
21	Surface absorption illumination in a 2D thermoelastic semi-infinite medium under modified Green and Lindsay model. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 2250-2250	6.1	1

20	Magneto-rotation-fibre-reinforced thermoelastic with gravity and energy dissipation. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2019 , 20, 14-28	0.7	1
19	Thermo-optical-mechanical excited waves of functionally graded semiconductor material with hyperbolic two-temperature. <i>European Physical Journal Plus</i> , 2022 , 137, 1	3.1	0
18	Magnetic-thermal-elastic waves under the impact of induced laser pulses and hyperbolic two temperature theory with memory-dependent derivatives (MDD). <i>Waves in Random and Complex Media</i> , 1-19	1.9	0
17	Thermoelastic with Photogenerated model of Rotating Microstretch Semiconductor Medium under the Influence of Initial Stress. <i>Results in Physics</i> , 2021 , 104967	3.7	0
16	Thermal conductivity dependent temperature during photo-thermo-elastic excitation of semiconductor material with volumetric absorption laser heat source in gravitational field. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	0
15	Influence of variable thermal conductivity on wave propagation for a ramp-type heating semiconductor magneto-rotator hydrostatic stresses medium during photo-excited microtemperature processes. <i>Waves in Random and Complex Media</i> , 1-23	1.9	0
14	Magneto-Photo-Thermo-Microstretch Semiconductor Elastic Medium Due to Photothermal Transport Process. <i>Silicon</i> , 1	2.4	0
13	Photothermal effects in semiconductors induced by surface absorption of a uniform laser radiation under modified Green-Lindsay theory. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	0
12	Photo-thermal-elastic waves of excitation microstretch semiconductor medium under the impact of rotation and initial stress. <i>Optical and Quantum Electronics</i> , 2022 , 54, 1	2.4	0
11	Elastic-thermal-diffusion model with a mechanical ramp type and variable thermal conductivity of electrons-holes semiconductor interaction. <i>Waves in Random and Complex Media</i> , 1-20	1.9	0
10	Refined heat conduction equation of thermomagnetic microtemperature semiconductor material during photothermal excitation process. <i>Waves in Random and Complex Media</i> , 2020 , 1-17	1.9	
9	Electromagnetic Field of Surface Waves Propagation in Fiber-Reinforced Generalized Thermoelastic Medium. <i>Journal of Molecular and Engineering Materials</i> , 2015 , 03, 1550001	1.3	
8	Interaction Between Mechanical Forces and Waves Propagation in Magneto-Thermo-Elastic for Fiber-Reinforced Wafer. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016 , 13, 7433-7447	0.3	
7	Thermal Ramp Type of Photo-Thermal Excitation in Hall Current and Variable Thermal Conductivity of Semiconductor Elastic Material. <i>Silicon</i> , 2021 , 13, 767-776	2.4	
6	Generalized photo-thermo-microstretch elastic solid semiconductor medium due to the excitation process. <i>Journal of Taibah University for Science</i> , 2021 , 15, 184-197	3	
5	Thermal conductivity changes of photo-elastic semiconductor excited in gravitational field with hydrostatic initial stress and internal heat source. <i>Waves in Random and Complex Media</i> , 1-20	1.9	
4	Plasma-thermal-elastic waves of semiconductor induced by laser pulses with hydrostatic initial stress and the hyperbolic two-temperature theory. <i>Waves in Random and Complex Media</i> , 1-19	1.9	
3	Response of thermal-optical-elastic waves of a rotator microstretch semiconductor media during photothermal transport processes. <i>Waves in Random and Complex Media</i> , 1-21	1.9	

2	Teachers and Learners Perceptions of E-Learning Implementation in Special Times: Evaluating Relevance and Internationalization Prospects at Saudi Universities. <i>Sustainability</i> , 2022 , 14, 6063	3.6
1	Photo-Thermo-Mechanical-Elastic interactions due to Hall current in functionally graded (FG) semiconductor excited medium with hyperbolic Two-Temperature. <i>AEJ - Alexandria Engineering Journal</i> , 2022 , 61, 11623-11633	6.1