

A DPL model of photothermal interaction in a semicond

Waves in Random and Complex Media

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Citation Report

#	ARTICLE	IF	CITATIONS
1	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.	1.6	3
2	Magneto-thermoelastic interaction in a functionally graded medium under gravitational field. Waves in Random and Complex Media, 2021, 31, 1633-1654.	1.6	30
3	Photo-thermo-elastic interactions without energy dissipation in a semiconductor half-space. Results in Physics, 2019, 15, 102805.	2.0	20
4	Reflection of thermo-elastic wave in semiconductor nanostructures nonlocal porous medium. Journal of Central South University, 2020, 27, 3188-3201.	1.2	9
5	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.	1.6	14
6	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.	1.6	7
7	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.	1.6	2
8	Heat waves interference regarding dual-phase-lag, hyperbolic and Fourier heat conduction in CNT reinforced composites under a thermal shock. Waves in Random and Complex Media, 2022, 32, 1198-1214.	1.6	6
9	Characterization of the photothermal interaction on a viscoelastic semiconducting solid cylinder due to ramp-type heating based on green-naghdi theories. Results in Physics, 2020, 19, 103396.	2.0	3
10	Effect of the hyperbolic two-temperature model without energy dissipation on photo-thermal interaction in a semi-conducting medium. Results in Physics, 2020, 18, 103167.	2.0	17
11	An Eigenvalues Approach for a Two-Dimensional Porous Medium Based Upon Weak, Normal and Strong Thermal Conductivities. Symmetry, 2020, 12, 848.	1.1	107
12	Mathematical modeling of photothermal wave propagation in a semiconducting medium due to L-S theory with diffusion and rotation effects. Mechanics Based Design of Structures and Machines, 2022, 50, 2301-2316.	3.4	14
13	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
14	Electromagnetic field and initial stress on a photothermal semiconducting voids medium under thermoelasticity theories. Mathematical Methods in the Applied Sciences, 2021, 44, 7778-7798.	1.2	16
15	Photo-thermo-elastic interaction in a semiconductor material upon hyperbolic two-temperature and thermal relaxation times. Waves in Random and Complex Media, 2023, 33, 254-269.	1.6	1
16	Generalized photo-thermo-microstretch elastic solid semiconductor medium due to the excitation process. Journal of Taibah University for Science, 2021, 15, 184-197.	1.1	1
17	The Effect of Fractional Time Derivative on Two-Dimension Porous Materials Due to Pulse Heat Flux. Mathematics, 2021, 9, 207.	1.1	7
18	A rotational gravitational stressed and voids effect on an electromagnetic photothermal semiconductor medium under three models of thermoelasticity. Mechanics Based Design of Structures and Machines, 2023, 51, 1115-1141.	3.4	18

#	ARTICLE	IF	CITATIONS
19	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> , 2024, 34, 287-306.	1.6	0
20	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.	2.0	7
21	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.	1.2	1
22	A study on photo-thermo-elastic wave in a semi-conductor material caused by ramp-type heating. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 2033-2040.	3.4	6
24	Generalized thermoelastic interaction in a two-dimensional orthotropic material caused by a pulse heat flux. <i>Waves in Random and Complex Media</i> , 0, , 1-18.	1.6	3
25	Magneto-Photo-Thermo-Microstretch Semiconductor Elastic Medium Due to Photothermal Transport Process. <i>Silicon</i> , 2022, 14, 4809-4821.	1.8	16
26	A spherical cavity problem with nonlocal elastic effect considering memory-dependent thermoelastic diffusion and laser pulse heat source. <i>Waves in Random and Complex Media</i> , 0, , 1-19.	1.6	6
27	Magneto-thermoelastic interaction in transversely isotropic medium with memory dependent derivative under three theories. <i>Waves in Random and Complex Media</i> , 0, , 1-21.	1.6	2
28	Solution of Lord-Shulmans and dual-phase-lag theories problem on a photothermal rotational semiconductor medium with voids and initial stress. <i>Thermal Science</i> , 2020, 24, 59-68.	0.5	1
29	Thermoelastic with photogenerated model of rotating microstretch semiconductor medium under the influence of initial stress. <i>Results in Physics</i> , 2021, 31, 104967.	2.0	2
30	Boundary element modeling of fractional nonlinear generalized photothermal stress wave propagation problems in FG anisotropic smart semiconductors. <i>Engineering Analysis With Boundary Elements</i> , 2022, 134, 665-679.	2.0	21
31	Asymmetric 3D stress- and flux-induced wave propagation in transversely isotropic thermoelastic solids by using of analytical methods. <i>Waves in Random and Complex Media</i> , 0, , 1-18.	1.6	4
32	Thermo-optical-mechanical excited waves of functionally graded semiconductor material with hyperbolic two-temperature. <i>European Physical Journal Plus</i> , 2022, 137, 1.	1.2	7
33	The impacts of variable thermal conductivity in a semiconducting medium using finite element method. <i>Case Studies in Thermal Engineering</i> , 2022, 31, 101773.	2.8	10
34	Nonlocal dual-phase-lag thermoelastic dissipation of size-dependent micro/nano-ring resonators. <i>International Journal of Mechanical Sciences</i> , 2022, 219, 107080.	3.6	12
35	On Generalized Three-Phase-Lag Models in Photo-Thermoelasticity. <i>International Journal of Applied Mechanics</i> , 2022, 14, .	1.3	10
36	Fractional viscoelastic model with a non-singular kernel for a rotating semiconductor circular cylinder permeated by a magnetic field and due to heat flow pulse heating. <i>Waves in Random and Complex Media</i> , 0, , 1-36.	1.6	2
37	Photo-“elasto”thermodiffusion waves of semiconductor with ramp-type heating for electrons-“holes-coupled model with initial stress. <i>Waves in Random and Complex Media</i> , 0, , 1-19.	1.6	10

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38	The effect of inclined load and gravitational field on a 2-D thermoelastic medium under the influence of pulsed laser using dual phase lag model. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 6497-6512.	3.4	3
39	Response of thermal-optical-elastic waves of a rotator microstretch semiconductor media during photothermal transport processes. <i>Waves in Random and Complex Media</i> , 0, , 1-21.	1.6	0
40	Evaluation of residual stresses in additively produced thermoelastic cylinder. Part II. Residual stresses. <i>Mechanics of Advanced Materials and Structures</i> , 0, , 1-10.	1.5	3
41	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.	1.5	4
42	A novel magneto-photo-elasto-thermodiffusion electrons-holes model of excited semiconductor. <i>Case Studies in Thermal Engineering</i> , 2022, 32, 101877.	2.8	15
43	Mathematical model on a photothermal and voids in a semiconductor medium in the context of Lord-Shulman theory. <i>Waves in Random and Complex Media</i> , 0, , 1-18.	1.6	11
44	Dynamic response of bilayered saturated porous media based on fractional thermoelastic theory. <i>Journal of Zhejiang University: Science A</i> , 2021, 22, 992-1004.	1.3	9
45	Analytical Solutions of Nonlocal Thermoelastic Interaction on Semi-Infinite Mediums Induced by Ramp-Type Heating. <i>Symmetry</i> , 2022, 14, 864.	1.1	2
46	The effect of variable thermal conductivity in a semi-conductor material using implicit finite difference approach. <i>Waves in Random and Complex Media</i> , 0, , 1-13.	1.6	1
47	Evaluation of residual stresses in additively produced thermoelastic cylinder. Part I. Thermal fields. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 1975-1990.	1.5	1
48	Analysis of Thermoelastic Interaction in a Polymeric Orthotropic Medium Using the Finite Element Method. <i>Polymers</i> , 2022, 14, 2112.	2.0	4
49	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.	3.4	1
50	Thermoelastic Analysis in Poro-Elastic Materials Using a TPL Model. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5914.	1.3	2
51	Plasma-affected photo-thermoelastic wave propagation in a semiconductor Loveâ€™Bishop nanorod using strain-gradient Mooreâ€™Gibsonâ€™Thompson theories. <i>Thin-Walled Structures</i> , 2022, 179, 109480.	2.7	8
52	Influence of variable thermal conductivity on thermal-plasma-elastic waves of excited microelongated semiconductor. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 12271-12282.	3.4	8
53	A Novel Magneto-Electron-Hole Model for Optical-Thermo-Diffusion Processes in Semiconducting Material with Variable Thermal Conductivity. <i>Silicon</i> , 2022, 14, 12799-12813.	1.8	2
54	Photo-Elasto-Thermodiffusion Waves of Fractional Heat Order Excited with Laser Short-Pulse Impact for Semiconductor Medium. <i>Journal of Low Temperature Physics</i> , 0, , .	0.6	0
55	Impact of Variable Thermal Conductivity of Thermal-Plasma-Mechanical Waves on Rotational Microelongated Excited Semiconductor. <i>Journal of Low Temperature Physics</i> , 0, , .	0.6	0

#	ARTICLE	IF	CITATIONS
56	3D thermoelastoplastic study of FML structure under the action of a moving Gaussian-distributed laser heat source. <i>Thin-Walled Structures</i> , 2022, 179, 109759.	2.7	3
57	A Novel Stochastic Model of the Photo-Thermoelasticity Theory of the Non-Local Excited Semiconductor Medium. <i>Silicon</i> , 2023, 15, 437-450.	1.8	4
58	The Hall current effect of magnetic-optical-elastic-thermal-diffusive semiconductor model during electrons-holes excitation processes. <i>Waves in Random and Complex Media</i> , 0, , 1-19.	1.6	2
59	Impact of laser short-pulse heating and variable thermal conductivity on photo-elasto-thermodiffusion waves of fractional heat excited semiconductor. <i>Journal of Electromagnetic Waves and Applications</i> , 0, , 1-19.	1.0	0
60	Reflection Phenomenon of Thermoelastic Wave in a Micropolar Semiconducting Porous Medium. <i>Mechanics of Solids</i> , 2022, 57, 856-869.	0.3	4
61	Laser short-pulse impact on magneto-photo-thermo-diffusion waves in excited semiconductor medium with fractional heat equation. <i>Acta Mechanica</i> , 0, , .	1.1	0
62	Laser Short-Pulse Effect on Thermodiffusion Waves of Fractional Heat Order for Excited Nonlocal Semiconductor. <i>Advances in Condensed Matter Physics</i> , 2022, 2022, 1-15.	0.4	5
63	Generalized Thermo-Diffusion Interaction in an Elastic Medium under Temperature Dependent Diffusivity and Thermal Conductivity. <i>Mathematics</i> , 2022, 10, 2773.	1.1	6
64	Effect of a magnetic field on elastic-optical-mechanical-thermo-diffusion waves of an excited semiconductor with electrons-holes interaction. <i>Waves in Random and Complex Media</i> , 0, , 1-19.	1.6	0
65	A study on the thermoelastic interaction in two-dimension orthotropic materials under the fractional derivative model. <i>AEJ - Alexandria Engineering Journal</i> , 2023, 64, 615-625.	3.4	5
66	A mechanical ramp type of electron-hole semiconducting model with laser pulses and variable thermal conductivity. <i>Acta Mechanica</i> , 2022, 233, 4641-4658.	1.1	5
67	Laser short-pulse effect on magneto-photo-elasto-thermodiffusion waves of fractional heat equation for non-local excited semiconductor. <i>Optical and Quantum Electronics</i> , 2022, 54, .	1.5	7
68	A Novel Photo Elasto-Thermodiffusion Waves with Electron-Holes in Semiconductor Materials with Hyperbolic Two Temperature. <i>Crystals</i> , 2022, 12, 1458.	1.0	3
69	A cell-less boundary element method for a two-step thermoelastic analysis. <i>Applied Mathematical Modelling</i> , 2023, 115, 173-190.	2.2	1
70	Neuro-computing-based Levenberg Marquardt algorithm for entropy optimized Darcy-Forchheimer nanofluid with variable viscosity. <i>Waves in Random and Complex Media</i> , 0, , 1-27.	1.6	1
71	A novel photo-elasto-thermodiffusion waves model based on electron-hole deformation of semiconductor medium. <i>Waves in Random and Complex Media</i> , 0, , 1-18.	1.6	0
72	Effect of Variable Thermal Conductivity and Magnetic Field for the Generated Photo-Thermal Waves on Microelongated Semiconductor. <i>Mathematics</i> , 2022, 10, 4270.	1.1	3
73	Analysis of waves in micropolar generalized thermoelastic plate with memory dependent derivatives. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2023, 103, .	0.9	3

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74	Hall Current Effect of Magnetic-Optical-Elastic-Thermal-Diffusive Semiconductor Model during Electrons-Holes Excitation Processes. <i>Journal of Mathematics</i> , 2022, 2022, 1-17.	0.5	1
75	Response of two-temperature semiconductor model photomechanical and thermal waves during electrons-holes interaction processes. <i>Journal of Electromagnetic Waves and Applications</i> , 0, , 1-19.	1.0	0
76	A Novel Model of Semiconductor Porosity Medium According to Photo-Thermoelasticity Excitation with Initial Stress. <i>Crystals</i> , 2022, 12, 1603.	1.0	3
77	Thermo-Elastodiffusive Waves in Semiconductor Excitation Medium with Laser Pulses under Two Temperature Photo-Thermoelasticity Theory. <i>Mathematics</i> , 2022, 10, 4515.	1.1	2
78	Hall Current Effect of Magnetic-Optical-Elastic-Thermal-Diffusive Non-Local Semiconductor Model during Electrons-Holes Excitation Processes. <i>Crystals</i> , 2022, 12, 1680.	1.0	9
79	Magneto-hydraulic Casson fluid flow under the suction/blowing effects past over the porous stretching surface. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	1.6	0
80	Thermo-mechanical waves of excited microelongated semiconductor layer during photothermal transport processes. <i>Waves in Random and Complex Media</i> , 0, , 1-17.	1.6	0
81	Thermal-Optical Mechanical Waves of the Excited Microelongated Semiconductor Layer in a Rotational Field. <i>Mathematics</i> , 2022, 10, 4660.	1.1	2
82	Magnetic Field Influence of Photo-Mechanical-Thermal Waves for Optically Excited Microelongated Semiconductor. <i>Mathematics</i> , 2022, 10, 4567.	1.1	3
83	Finite Element Analysis of Generalized Thermoelastic Interaction for Semiconductor Materials under Varying Thermal Conductivity. <i>Mathematics</i> , 2022, 10, 4676.	1.1	0
84	Thermal-Diffusive Processes of an Electron-Hole Non-Local Semiconductor Model with Variable Thermal Conductivity and Hall Current Effect. <i>Mathematics</i> , 2023, 11, 264.	1.1	1
85	Excited Non-Local Microelongated Semiconductor Layer Thermal-Optical Mechanical Waves Affected by Rotational Field. <i>Crystals</i> , 2023, 13, 116.	1.0	0
86	An Analysis of the Photo-Thermoelastic Waves Due to the Interaction between Electrons and Holes in Semiconductor Materials under Laser Pulses. <i>Mathematics</i> , 2023, 11, 127.	1.1	3
87	Generalized Thermoelastic Interaction in Orthotropic Media under Variable Thermal Conductivity Using the Finite Element Method. <i>Mathematics</i> , 2023, 11, 955.	1.1	0
88	Microelongated Thermo-Elastodiffusive Waves of Excited Semiconductor Material under Laser Pulses Impact. <i>Mathematics</i> , 2023, 11, 1627.	1.1	2
89	Studying the Thermoelastic Waves Induced by Pulsed Lasers Due to the Interaction between Electrons and Holes on Semiconductor Materials under the Hall Current Effect. <i>Crystals</i> , 2023, 13, 665.	1.0	0