

Praveen Ailawalia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9279470/publications.pdf>

Version: 2024-02-01

40
papers

236
citations

1039406

9
h-index

1125271

13
g-index

40
all docs

40
docs citations

40
times ranked

78
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of rotation in generalized thermoelastic solid under the influence of gravity with an overlying infinite thermoelastic fluid. Applied Mathematics and Mechanics (English Edition), 2009, 30, 1505-1518.	1.9	26
2	Internal Heat Source in Thermoelastic Microelongated Solid Under Green Lindsay Theory. Journal of Theoretical and Applied Mechanics (Bulgaria), 2016, 46, 65-82.	0.6	21
3	Ramp Type Heating in a Semiconductor Medium under Photothermal Theory. Silicon, 2020, 12, 347-356.	1.8	18
4	Effect of Rotation in a Generalized Thermoelastic Medium with Hydrostatic Initial Stress Subjected to Ramp-Type Heating and Loading. International Journal of Thermophysics, 2009, 30, 2078-2097.	1.0	17
5	Behavior of micropolar cubic crystal due to various sources. Journal of Sound and Vibration, 2005, 283, 875-890.	2.1	11
6	Deformation in micropolar cubic crystal due to various sources. International Journal of Solids and Structures, 2005, 42, 5931-5944.	1.3	11
7	Deformation due to time harmonic sources in micropolar thermoelastic medium possessing cubic symmetry with two relaxation times. Applied Mathematics and Mechanics (English Edition), 2006, 27, 781-792.	1.9	11
8	Time harmonic sources at micropolar thermoelastic medium possessing cubic symmetry with one relaxation time. European Journal of Mechanics, A/Solids, 2006, 25, 271-282.	2.1	10
9	Moving load response of micropolar elastic half-space with voids. Journal of Sound and Vibration, 2005, 280, 837-848.	2.1	9
10	Moving inclined load at boundary surface. Applied Mathematics and Mechanics (English Edition), 2005, 26, 476-485.	1.9	9
11	Moving load response in micropolar thermoelastic medium without energy dissipation possessing cubic symmetry. International Journal of Solids and Structures, 2007, 44, 4068-4078.	1.3	9
12	Effect of hydrostatic initial stress and rotation in Green-Naghdi (type III) thermoelastic half-space. Multidiscipline Modeling in Materials and Structures, 2011, 7, 131-145.	0.6	9
13	Interactions due to mechanical/thermal sources in a micropolar thermoelastic medium possessing cubic symmetry. International Journal of Solids and Structures, 2006, 43, 2761-2798.	1.3	8
14	Dynamic Problem in Green-Naghdi (Type III) Thermoelastic Half-Space with Two Temperature. Mechanics of Advanced Materials and Structures, 2014, 21, 544-552.	1.5	8
15	A thermoelastic microelongated layer immersed in an infinite fluid and subjected to laser pulse heating. Mechanics and Mechanical Engineering, 2019, 23, 233-240.	0.2	8
16	Mechanical/Thermal Sources in a Micropolar Thermoelastic Medium Possessing Cubic Symmetry without Energy Dissipation. International Journal of Thermophysics, 2007, 28, 342-367.	1.0	7
17	Effect of rotation in a generalized thermoelastic medium with two temperature under hydrostatic initial stress and gravity. Multidiscipline Modeling in Materials and Structures, 2010, 6, 185-205.	0.6	6
18	Disturbance in Thermo-Microstretch Elastic Medium With Internal Heat Source. Mechanics of Advanced Materials and Structures, 2015, 22, 776-783.	1.5	4

#	ARTICLE	IF	CITATIONS
19	Mathematical study of Rayleigh waves in piezoelectric microstretch thermoelastic medium. <i>Mechanics and Mechanical Engineering</i> , 2019, 23, 86-93.	0.2	4
20	Effects of fluid layer at micropolar orthotropic boundary surface. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2004, 29, 605-616.	0.8	3
21	Viscous effect at an orthotropic micropolar boundary surface. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2005, 30, 513-525.	0.8	3
22	Effect of mechanical force along the interface of semi-infinite semiconducting medium and thermoelastic micropolar cubic crystal. <i>Cogent Mathematics</i> , 2017, 4, 1347991.	0.4	3
23	Surface waves in hygrothermoelastic half-space with hydrostatic initial stress. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 2380-2389.	1.5	3
24	Deformation Due to Moving Loads at Boundary Surface. <i>Science and Engineering of Composite Materials</i> , 2007, 14, 25-46.	0.6	2
25	Deformations in Micropolar Thermoelastic Medium Possessing Cubic Symmetry Due to Inclined Loads. <i>Mechanics of Advanced Materials and Structures</i> , 2008, 15, 64-76.	1.5	2
26	Response of a semiconducting medium under photothermal theory due to moving load velocity. <i>Waves in Random and Complex Media</i> , 2022, 32, 1644-1653.	1.6	2
27	Moving load response in a rotating generalized thermoelastic medium. <i>Interaction and Multiscale Mechanics</i> , 2010, 3, 81-94.	0.4	2
28	Disturbance due to internal heat source in thermoelastic solid using dual phase lag model. <i>Structural Engineering and Mechanics</i> , 2015, 56, 341-354.	1.0	2
29	Plane strain problem in a rotating microstretch thermoelastic solid with microtemperatures. <i>Theoretical and Applied Mechanics</i> , 2017, 44, 51-82.	0.1	2
30	Thermomechanical Deformation in Micropolar Porous Thermoelastic Material. <i>Mechanics of Advanced Materials and Structures</i> , 2011, 18, 255-261.	1.5	1
31	Two dimensional deformation in microstretch thermoelastic half space with microtemperatures and internal heat source. <i>Cogent Mathematics</i> , 2015, 2, 1086293.	0.4	1
32	Internal Heat Source in a Thermoelastic Hydrostatically Initially Stressed Plate Immersed in a Liquid. <i>Journal of Engineering Physics and Thermophysics</i> , 2016, 89, 1255-1264.	0.2	1
33	Dynamic problem in piezo-electric microstretch thermoelastic medium under laser heat source. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019, 15, 473-491.	0.6	1
34	Plane wave propagation in a semiconducting medium under photothermal theory. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 1395-1404.	1.5	1
35	Steady State Response at the Interface of Elastic Half Space and Micropolar Liquid-saturated Porous Half Space. <i>Applied Mathematics and Information Sciences</i> , 2014, 8, 1117-1125.	0.7	1
36	Interactions Due To Time Harmonic Inclined Load In Micropolar Thermoelastic Medium Possesing Cubic Symmetry Without Energy Dissipation. <i>Science and Engineering of Composite Materials</i> , 2007, 14, 229-240.	0.6	0

#	ARTICLE	IF	CITATIONS
37	Two-dimensional deformations in a functionally graded orthotropic micropolar solid. <i>Mechanics Based Design of Structures and Machines</i> , 2020, , 1-11.	3.4	0
38	Analysis of semiconducting plate under photothermal theory bordered with inviscid liquid half-spaces. <i>Indian Journal of Physics</i> , 0, , 1.	0.9	0
39	Wave propagation in a temperature rate-dependent semiconducting medium with hydrostatic initial stress. <i>International Journal of Computational Materials Science and Engineering</i> , 2021, 10, 2150011.	0.5	0
40	Steady-State and Time-Harmonic Response in Micropolar Porous Thermoelastic Medium with Two Relaxation Times. <i>Journal of Porous Media</i> , 2009, 12, 791-800.	1.0	0