

Praveen Ailawalia

List of Publications by Year in Descending Order

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Version: 2024-04-24

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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.

38
papers

175
citations

8
h-index

11
g-index

40
ext. papers

201
ext. citations

2.1
avg, IF

3.32
L-index

#	Paper	IF	Citations
38	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, 215001	1.3	0
37	Response of a semiconducting medium under photothermal theory due to moving load velocity. <i>Waves in Random and Complex Media</i> , 2020 , 1-10	1.9	1
36	Two-dimensional deformations in a functionally graded orthotropic micropolar solid. <i>Mechanics Based Design of Structures and Machines</i> , 2020 , 1-11	1.7	
35	Plane wave propagation in a semiconducting medium under photothermal theory. <i>Mechanics of Advanced Materials and Structures</i> , 2020 , 1-10	1.8	1
34	Ramp Type Heating in a Semiconductor Medium under Photothermal Theory. <i>Silicon</i> , 2020 , 12, 347-356	2.4	14
33	A thermoelastic microelongated layer immersed in an infinite fluid and subjected to laser pulse heating. <i>Mechanics and Mechanical Engineering</i> , 2019 , 23, 233-240	0.9	3
32	Mathematical study of Rayleigh waves in piezoelectric microstretch thermoelastic medium. <i>Mechanics and Mechanical Engineering</i> , 2019 , 23, 86-93	0.9	1
31	Dynamic problem in piezo-electric microstretch thermoelastic medium under laser heat source. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019 , 15, 473-491	2.2	1
30	Effect of mechanical force along the interface of semi-infinite semiconducting medium and thermoelastic micropolar cubic crystal. <i>Cogent Mathematics</i> , 2017 , 4, 1347991		3
29	Plane strain problem in a rotating microstretch thermoelastic solid with microtemperatures. <i>Theoretical and Applied Mechanics</i> , 2017 , 44, 51-82	0.4	2
28	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	0.6	1
27	Internal Heat Source in Thermoelastic Microelongated Solid Under Green Lindsay Theory. <i>Journal of Theoretical and Applied Mechanics (Bulgaria)</i> , 2016 , 46, 65-82	5.8	4
26	Disturbance in Thermo-Microstretch Elastic Medium With Internal Heat Source. <i>Mechanics of Advanced Materials and Structures</i> , 2015 , 22, 776-783	1.8	2
25	Two dimensional deformation in microstretch thermoelastic half space with microtemperatures and internal heat source. <i>Cogent Mathematics</i> , 2015 , 2, 1086293		1
24	Disturbance due to internal heat source in thermoelastic solid using dual phase lag model. <i>Structural Engineering and Mechanics</i> , 2015 , 56, 341-354		2
23	Dynamic Problem in Green-Naghdi (Type III) Thermoelastic Half-Space with Two Temperature. <i>Mechanics of Advanced Materials and Structures</i> , 2014 , 21, 544-552	1.8	6
22	Thermomechanical Deformation in Micropolar Porous Thermoelastic Material. <i>Mechanics of Advanced Materials and Structures</i> , 2011 , 18, 255-261	1.8	1

21	Effect of hydrostatic initial stress and rotation in Green-Naghdi (type III) thermoelastic half-space. <i>Multidiscipline Modeling in Materials and Structures</i> , 2011 , 7, 131-145	2.2	6
20	Effect of rotation in a generalized thermoelastic medium with two temperature under hydrostatic initial stress and gravity. <i>Multidiscipline Modeling in Materials and Structures</i> , 2010 , 6, 185-205	2.2	4
19	Moving load response in a rotating generalized thermoelastic medium. <i>Interaction and Multiscale Mechanics</i> , 2010 , 3, 81-94		2
18	Effect of rotation in generalized thermoelastic solid under the influence of gravity with an overlying infinite thermoelastic fluid. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2009 , 30, 1503-1518 ²³		
17	Effect of Rotation in a Generalized Thermoelastic Medium with Hydrostatic Initial Stress Subjected to Ramp-Type Heating and Loading. <i>International Journal of Thermophysics</i> , 2009 , 30, 2078-2097	2.1	13
16	Deformations in Micropolar Thermoelastic Medium Possessing Cubic Symmetry Due to Inclined Loads. <i>Mechanics of Advanced Materials and Structures</i> , 2008 , 15, 64-76	1.8	2
15	Moving load response in micropolar thermoelastic medium without energy dissipation possessing cubic symmetry. <i>International Journal of Solids and Structures</i> , 2007 , 44, 4068-4078	3.1	6
14	Mechanical/Thermal Sources in a Micropolar Thermoelastic Medium Possessing Cubic Symmetry without Energy Dissipation. <i>International Journal of Thermophysics</i> , 2007 , 28, 342-367	2.1	7
13	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	1.5	
12	Deformation Due to Moving Loads at Boundary Surface. <i>Science and Engineering of Composite Materials</i> , 2007 , 14, 25-46	1.5	2
11	Interactions due to mechanical/thermal sources in a micropolar thermoelastic medium possessing cubic symmetry. <i>International Journal of Solids and Structures</i> , 2006 , 43, 2761-2798	3.1	6
10	Time harmonic sources at micropolar thermoelastic medium possessing cubic symmetry with one relaxation time. <i>European Journal of Mechanics, A/Solids</i> , 2006 , 25, 271-282	3.7	9
9	Deformation due to time harmonic sources in micropolar thermoelastic medium possessing cubic symmetry with two relaxation times. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2006 , 27, 781-792	3.3	10
8	Moving load response of micropolar elastic half-space with voids. <i>Journal of Sound and Vibration</i> , 2005 , 280, 837-848	3.9	9
7	Behavior of micropolar cubic crystal due to various sources. <i>Journal of Sound and Vibration</i> , 2005 , 283, 875-890	3.9	10
6	Deformation in micropolar cubic crystal due to various sources. <i>International Journal of Solids and Structures</i> , 2005 , 42, 5931-5944	3.1	10
5	Viscous effect at an orthotropic micropolar boundary surface. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2005 , 30, 513-525	1	2
4	Moving inclined load at boundary surface. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2005 , 26, 476-485	3.2	7

- 3 Effects of fluid layer at micropolar orthotropic boundary surface. *Sadhana - Academy Proceedings in Engineering Sciences*, **2004**, 29, 605-616 1 3
- 2 Analysis of semiconducting plate under photothermal theory bordered with inviscid liquid half-spaces. *Indian Journal of Physics*,1 1.4
- 1 Surface waves in hygrothermoelastic half-space with hydrostatic initial stress. *Mechanics of Advanced Materials and Structures*,1-10 1.8