

# Praveen Ailawalia

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9279470/praveen-ailawalia-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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> , <b>2009</b> , 30, 1503-1518 <sup>23</sup>	3.2	15
37	Ramp Type Heating in a Semiconductor Medium under Photothermal Theory. <i>Silicon</i> , <b>2020</b> , 12, 347-356	2.4	14
36	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> , <b>2009</b> , 30, 2078-2097	2.1	13
35	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> , <b>2006</b> , 27, 781-792	3.3	10
34	Behavior of micropolar cubic crystal due to various sources. <i>Journal of Sound and Vibration</i> , <b>2005</b> , 283, 875-890	3.9	10
33	Deformation in micropolar cubic crystal due to various sources. <i>International Journal of Solids and Structures</i> , <b>2005</b> , 42, 5931-5944	3.1	10
32	Time harmonic sources at micropolar thermoelastic medium possessing cubic symmetry with one relaxation time. <i>European Journal of Mechanics, A/Solids</i> , <b>2006</b> , 25, 271-282	3.7	9
31	Moving load response of micropolar elastic half-space with voids. <i>Journal of Sound and Vibration</i> , <b>2005</b> , 280, 837-848	3.9	9
30	Mechanical/Thermal Sources in a Micropolar Thermoelastic Medium Possessing Cubic Symmetry without Energy Dissipation. <i>International Journal of Thermophysics</i> , <b>2007</b> , 28, 342-367	2.1	7
29	Moving inclined load at boundary surface. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2005</b> , 26, 476-485	3.2	7
28	Dynamic Problem in Green-Naghdi (Type III) Thermoelastic Half-Space with Two Temperature. <i>Mechanics of Advanced Materials and Structures</i> , <b>2014</b> , 21, 544-552	1.8	6
27	Effect of hydrostatic initial stress and rotation in Green-Naghdi (type III) thermoelastic half-space. <i>Multidiscipline Modeling in Materials and Structures</i> , <b>2011</b> , 7, 131-145	2.2	6
26	Moving load response in micropolar thermoelastic medium without energy dissipation possessing cubic symmetry. <i>International Journal of Solids and Structures</i> , <b>2007</b> , 44, 4068-4078	3.1	6
25	Interactions due to mechanical/thermal sources in a micropolar thermoelastic medium possessing cubic symmetry. <i>International Journal of Solids and Structures</i> , <b>2006</b> , 43, 2761-2798	3.1	6
24	Internal Heat Source in Thermoelastic Microelongated Solid Under Green Lindsay Theory. <i>Journal of Theoretical and Applied Mechanics (Bulgaria)</i> , <b>2016</b> , 46, 65-82	5.8	4
23	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> , <b>2010</b> , 6, 185-205	2.2	4
22	Effect of mechanical force along the interface of semi-infinite semiconducting medium and thermoelastic micropolar cubic crystal. <i>Cogent Mathematics</i> , <b>2017</b> , 4, 1347991		3

21	Effects of fluid layer at micropolar orthotropic boundary surface. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2004</b> , 29, 605-616	1	3
20	A thermoelastic microelongated layer immersed in an infinite fluid and subjected to laser pulse heating. <i>Mechanics and Mechanical Engineering</i> , <b>2019</b> , 23, 233-240	0.9	3
19	Disturbance in Thermo-Microstretch Elastic Medium With Internal Heat Source. <i>Mechanics of Advanced Materials and Structures</i> , <b>2015</b> , 22, 776-783	1.8	2
18	Deformations in Micropolar Thermoelastic Medium Possessing Cubic Symmetry Due to Inclined Loads. <i>Mechanics of Advanced Materials and Structures</i> , <b>2008</b> , 15, 64-76	1.8	2
17	Deformation Due to Moving Loads at Boundary Surface. <i>Science and Engineering of Composite Materials</i> , <b>2007</b> , 14, 25-46	1.5	2
16	Viscous effect at an orthotropic micropolar boundary surface. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2005</b> , 30, 513-525	1	2
15	Moving load response in a rotating generalized thermoelastic medium. <i>Interaction and Multiscale Mechanics</i> , <b>2010</b> , 3, 81-94		2
14	Disturbance due to internal heat source in thermoelastic solid using dual phase lag model. <i>Structural Engineering and Mechanics</i> , <b>2015</b> , 56, 341-354		2
13	Plane strain problem in a rotating microstretch thermoelastic solid with microtemperatures. <i>Theoretical and Applied Mechanics</i> , <b>2017</b> , 44, 51-82	0.4	2
12	Two dimensional deformation in microstretch thermoelastic half space with microtemperatures and internal heat source. <i>Cogent Mathematics</i> , <b>2015</b> , 2, 1086293		1
11	Internal Heat Source in a Thermoelastic Hydrostatically Initially Stressed Plate Immersed in a Liquid. <i>Journal of Engineering Physics and Thermophysics</i> , <b>2016</b> , 89, 1255-1264	0.6	1
10	Thermomechanical Deformation in Micropolar Porous Thermoelastic Material. <i>Mechanics of Advanced Materials and Structures</i> , <b>2011</b> , 18, 255-261	1.8	1
9	Mathematical study of Rayleigh waves in piezoelectric microstretch thermoelastic medium. <i>Mechanics and Mechanical Engineering</i> , <b>2019</b> , 23, 86-93	0.9	1
8	Response of a semiconducting medium under photothermal theory due to moving load velocity. <i>Waves in Random and Complex Media</i> , <b>2020</b> , 1-10	1.9	1
7	Plane wave propagation in a semiconducting medium under photothermal theory. <i>Mechanics of Advanced Materials and Structures</i> , <b>2020</b> , 1-10	1.8	1
6	Dynamic problem in piezo-electric microstretch thermoelastic medium under laser heat source. <i>Multidiscipline Modeling in Materials and Structures</i> , <b>2019</b> , 15, 473-491	2.2	1
5	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> , <b>2007</b> , 14, 229-240	1.5	
4	Two-dimensional deformations in a functionally graded orthotropic micropolar solid. <i>Mechanics Based Design of Structures and Machines</i> , <b>2020</b> , 1-11	1.7	

- 3 Analysis of semiconducting plate under photothermal theory bordered with inviscid liquid half-spaces. *Indian Journal of Physics*,1 1.4
- 2 Wave propagation in a temperature rate-dependent semiconducting medium with hydrostatic initial stress. *International Journal of Computational Materials Science and Engineering*, 2021, 10, 215001†<sup>0.3</sup>
- 1 Surface waves in hygrothermoelastic half-space with hydrostatic initial stress. *Mechanics of Advanced Materials and Structures*,1-10 1.8