

# Baljeet Singh

## List of Publications by Year in descending order

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109  
papers

1,769  
citations

279487

23  
h-index

344852

36  
g-index

111  
all docs

111  
docs citations

111  
times ranked

477  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reflection of P and SV waves from free surface of an elastic solid with generalized thermodiffusion. <i>Journal of Earth System Science</i> , 2005, 114, 159-168.	0.6	106
2	The effect of rotation on generalized micropolar thermoelasticity for a half-space under five theories. <i>International Journal of Solids and Structures</i> , 2007, 44, 2748-2762.	1.3	98
3	Reflection of SV waves from the free surface of an elastic solid in generalized thermoelastic diffusion. <i>Journal of Sound and Vibration</i> , 2006, 291, 764-778.	2.1	76
4	Wave propagation in thermally conducting linear fibre-reinforced composite materials. <i>Archive of Applied Mechanics</i> , 2006, 75, 513-520.	1.2	75
5	Propagation of waves in an incompressible transversely isotropic elastic solid with initial stress: Biot revisited. <i>Journal of Mechanics of Materials and Structures</i> , 2011, 6, 453-477.	0.4	71
6	Reflection of plane waves at the free surface of a fibre-reinforced elastic half-space. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2004, 29, 249-257.	0.8	66
7	Wave propagation in a generalized thermoelastic material with voids. <i>Applied Mathematics and Computation</i> , 2007, 189, 698-709.	1.4	62
8	Effect of hydrostatic initial stresses on waves in a thermoelastic solid half-space. <i>Applied Mathematics and Computation</i> , 2008, 198, 494-505.	1.4	52
9	Reflection of generalized thermoelastic waves from a solid half-space under hydrostatic initial stress. <i>Applied Mathematics and Computation</i> , 2006, 177, 170-177.	1.4	51
10	Reflection of plane waves from the flat boundary of a micropolar generalized thermoelastic half-space. <i>International Journal of Engineering Science</i> , 1998, 36, 865-890.	2.7	42
11	Wave propagation in a generalized thermo-microstretch elastic solid. <i>International Journal of Engineering Science</i> , 1998, 36, 891-912.	2.7	42
12	Wave propagation in a prestressed piezoelectric half-space. <i>Acta Mechanica</i> , 2010, 211, 337-344.	1.1	41
13	Reflection and refraction of plane waves at a liquid/thermo-microstretch elastic solid interface. <i>International Journal of Engineering Science</i> , 2001, 39, 583-598.	2.7	37
14	Simple and Efficient Method for the Estimation of Residues of Flubendiamide and Its Metabolite Desido Flubendiamide. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 2299-2302.	2.4	35
15	Wave propagation in an incompressible transversely isotropic fibre-reinforced elastic media. <i>Archive of Applied Mechanics</i> , 2007, 77, 253-258.	1.2	32
16	Wave propagation in an orthotropic micropolar elastic solid. <i>International Journal of Solids and Structures</i> , 2007, 44, 3638-3645.	1.3	30
17	Persistence of Imidacloprid on Grape Leaves, Grape Berries and Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 82, 239-242.	1.3	30
18	Reflection of plane waves at the free surface of a monoclinic thermoelastic solid half-space. <i>European Journal of Mechanics, A/Solids</i> , 2010, 29, 911-916.	2.1	30

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19	The effect of rotation and initial stress on the propagation of waves in a transversely isotropic elastic solid. <i>Wave Motion</i> , 2014, 51, 1108-1126.	1.0	30
20	On Propagation of Plane Waves in Generalized Porothermoelasticity. <i>Bulletin of the Seismological Society of America</i> , 2011, 101, 756-762.	1.1	28
21	On theory of generalized thermoelastic solids with voids and diffusion. <i>European Journal of Mechanics, A/Solids</i> , 2011, 30, 976-982.	2.1	27
22	Reflection and refraction of micropolar elastic waves at a loosely bonded interface between viscoelastic solid and micropolar elastic solid. <i>International Journal of Engineering Science</i> , 1998, 36, 101-117.	2.7	25
23	Wave propagation in an initially stressed transversely isotropic thermoelastic solid half-space. <i>Applied Mathematics and Computation</i> , 2010, 217, 705-715.	1.4	25
24	Wave propagation in a micropolar generalized thermoelastic body with stretch. <i>Proceedings of the Indian Academy of Sciences - Section A</i> , 1996, 106, 183-199.	0.2	23
25	On the theory of generalized thermoelasticity for piezoelectric materials. <i>Applied Mathematics and Computation</i> , 2005, 171, 398-405.	1.4	23
26	REFLECTION OF PLANE SOUND WAVE FROM A MICROPOLAR GENERALIZED THERMOELASTIC SOLID HALF-SPACE. <i>Journal of Sound and Vibration</i> , 2000, 235, 685-696.	2.1	22
27	Reflection of homogeneous elastic waves from free surface of nematic elastomer half-space. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 584-592.	1.3	22
28	Reflection of plane waves from a micropolar thermoelastic solid half-space with impedance boundary conditions. <i>Journal of Ocean Engineering and Science</i> , 2019, 4, 122-131.	1.7	22
29	Reflection of Plane Waves in a Rotating Transversely Isotropic Magneto-Thermoelastic Solid Half-Space. <i>Journal of Theoretical and Applied Mechanics (Bulgaria)</i> , 2012, 42, 33-60.	0.6	20
30	Propagation of the Rayleigh Wave in an Initially Stressed Transversely Isotropic Dual-Phase-Lag Magneto-Thermoelastic Half-Space. <i>Journal of Engineering Physics and Thermophysics</i> , 2014, 87, 1539-1547.	0.2	19
31	Rotational and voids effect on the reflection of P waves from stress-free surface of an elastic half-space under magnetic field and initial stress without energy dissipation. <i>Applied Mathematical Modelling</i> , 2013, 37, 8999-9011.	2.2	16
32	Plane Waves in a Rotating Monoclinic Magneto-Thermoelastic Medium. <i>Journal of Engineering Physics and Thermophysics</i> , 2016, 89, 428-440.	0.2	16
33	Reflection and refraction of plane waves at an interface between micropolar elastic solid and viscoelastic solid. <i>International Journal of Engineering Science</i> , 1998, 36, 119-135.	2.7	15
34	Wave Propagation in a Green-Naghdi Thermoelastic Solid with Diffusion. <i>International Journal of Thermophysics</i> , 2013, 34, 553-566.	1.0	15
35	Propagation of Shear Waves in a Piezoelectric Medium. <i>Mechanics of Advanced Materials and Structures</i> , 2013, 20, 434-440.	1.5	15
36	Rayleigh-type surface waves in a nonlocal thermoelastic solid half space with voids. <i>Waves in Random and Complex Media</i> , 2021, 31, 2103-2114.	1.6	14

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37	Reflection and transmission of plane harmonic waves at an interface between liquid and micropolar viscoelastic solid with stretch. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2000, 25, 589-600.	0.8	13
38	Wave propagation in dual-phase-lag anisotropic thermoelasticity. <i>Continuum Mechanics and Thermodynamics</i> , 2013, 25, 675-683.	1.4	13
39	REFLECTION OF PLANE WAVES FROM A FREE SURFACE OF A POROTHERMOELASTIC SOLID HALF-SPACE. <i>Journal of Porous Media</i> , 2013, 16, 945-957.	1.0	13
40	Plane waves in a transversely isotropic rotating magnetothermoelastic medium. <i>Journal of Engineering Physics and Thermophysics</i> , 2012, 85, 1226-1232.	0.2	12
41	Wave reflection at viscoelastic-micropolar elastic interface. <i>Applied Mathematics and Computation</i> , 2007, 185, 421-431.	1.4	11
42	Reflection of plane waves in an initially stressed perfectly conducting transversely isotropic solid half-space. <i>Journal of Earth System Science</i> , 2013, 122, 1045-1053.	0.6	11
43	Reflection and transmission of elastic waves at an interface between two micropolar piezoelectric half-spaces. <i>Journal of Ocean Engineering and Science</i> , 2019, 4, 227-237.	1.7	11
44	The Effect of Diffusion on Propagation and Reflection of Waves in a Thermo-Microstretch Solid Half-Space. <i>Computational Mathematics and Modeling</i> , 2021, 32, 221-234.	0.2	10
45	Rayleigh-type surface wave in nonlocal isotropic diffusive materials. <i>Acta Mechanica</i> , 2021, 232, 3407-3416.	1.1	10
46	Reflection of plane waves from free surface of a microstretch elastic solid. <i>Journal of Earth System Science</i> , 2002, 111, 29-37.	0.6	9
47	Verification of Optimality and Costate Estimation Using Hilbert Space Projection. <i>Journal of Guidance, Control, and Dynamics</i> , 2009, 32, 1345-1355.	1.6	9
48	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.	0.6	9
49	Propagation of Rayleigh Wave in a Two-Temperature Generalized Thermoelastic Solid Half-Space. <i>ISRN Geophysics</i> , 2013, 2013, 1-6.	0.7	9
50	Reflection of plane waves in thermo-diffusion elasticity without dissipation under the effect of rotation. <i>Mechanics of Advanced Materials and Structures</i> , 2016, 23, 74-79.	1.5	9
51	Rayleigh wave in a thermoelastic solid half-space with impedance boundary conditions. <i>Meccanica</i> , 2016, 51, 1135-1139.	1.2	9
52	Harmonic waves solution in dual-phase-lag magneto-thermoelasticity. <i>Open Physics</i> , 2019, 17, 8-15.	0.8	9
53	Rayleigh surface wave at an impedance boundary of an incompressible micropolar solid half-space. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 3942-3949.	1.5	9
54	A note on energy flux in micropolar elastic waves. <i>International Journal of Engineering Science</i> , 2000, 38, 2013-2022.	2.7	8

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55	Reflection coefficients and energy ratios in a micropolar thermoelastic medium without energy dissipation. ANZIAM Journal, 2007, 48, 433-447.	0.3	8
56	Effects of voids and rotation on P wave in a thermoelastic half-space under Green-Naghdi theory. Mathematics and Mechanics of Solids, 2012, 17, 243-253.	1.5	8
57	Propagation of Rayleigh waves in an incompressible rotating orthotropic elastic solid half-space with impedance boundary conditions. Journal of the Mechanical Behavior of Materials, 2017, 26, 73-78.	0.7	8
58	Wave reflection by the free boundary of a microstructured flexoelectric half-space. Mechanics Based Design of Structures and Machines, 2020, , 1-23.	3.4	8
59	Plane waves in a thermally conducting viscous liquid. Sadhana - Academy Proceedings in Engineering Sciences, 2004, 29, 27-34.	0.8	7
60	Rayleigh waves in an incompressible fibre-reinforced elastic solid with impedance boundary conditions. Journal of the Mechanical Behavior of Materials, 2015, 24, 183-186.	0.7	7
61	Reflection of plane wave in a micropolar thermoelastic solid half-space with diffusion. Journal of Thermal Stresses, 2016, 39, 1378-1388.	1.1	7
62	The effect of rotation on the propagation of waves in an incompressible transversely isotropic thermoelastic solid. Acta Mechanica, 2020, 231, 2485-2495.	1.1	7
63	On Rayleigh Wave in Two-Temperature Generalized Thermoelastic Medium without Energy Dissipation. Applied Mathematics, 2013, 04, 107-112.	0.1	7
64	Rayleigh-type surface wave on a rotating orthotropic elastic half-space with impedance boundary conditions. JVC/Journal of Vibration and Control, 2020, 26, 1980-1987.	1.5	6
65	Effect of Impedance Boundary on Reflection of Plane Waves from free Surface of a Rotating Thermoelastic Solid Half Space. Research Journal of Engineering and Technology, 2017, 8, 405.	0.1	6
66	Propagation of Thermoelastic Waves in Micropolar Mixture of Porous Media. International Journal of Thermophysics, 2010, 31, 637-647.	1.0	5
67	Propagation of plane waves in an anisotropic generalized thermoelastic solid with diffusion. Journal of Engineering Physics and Thermophysics, 2012, 85, 478-486.	0.2	5
68	Elastic wave propagation and attenuation in a generalized thermoporoelastic model. Multidiscipline Modeling in Materials and Structures, 2013, 9, 256-267.	0.6	5
69	Rayleigh Waves in a Rotating Orthotropic Micropolar Elastic Solid Half-Space. International Journal of Geophysics, 2013, 2013, 1-5.	0.4	5
70	Rayleigh Wave in a Rotating Initially Stressed Piezoelectric Half-Space. Journal of Theoretical and Applied Mechanics (Bulgaria), 2013, 43, .	0.6	5
71	Propagation of Rayleigh Wave in a Thermoelastic Solid Half-Space with Microtemperatures. International Journal of Geophysics, 2014, 2014, 1-6.	0.4	5
72	Finite Element Analysis in a Rotating Thermoelastic Half-Space with Diffusion. Journal of Computational and Theoretical Nanoscience, 2014, 11, 2276-2282.	0.4	5

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73	Rayleigh wave in a micropolar thermoelastic medium without energy dissipation. <i>Engineering Solid Mechanics</i> , 2016, , 11-16.	0.6	5
74	Rayleigh Surface Wave in a Porothermoelastic Solid Half-Space. , 2017, , .		5
75	Rotational Effects on Propagation of Rayleigh Wave in a Micropolar Piezoelectric Medium. <i>Journal of Theoretical and Applied Mechanics (Bulgaria)</i> , 2018, 48, 93-105.	0.6	5
76	On Propagation of Rayleigh Type Surface Wave in a Micropolar Piezoelectric Medium. <i>Open Journal of Acoustics</i> , 2016, 06, 35-44.	0.3	5
77	Reflection of plane micropolar viscoelastic waves at a loosely bonded solid-solid interface. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2002, 27, 493-506.	0.8	4
78	Propagation of plane waves in anisotropic two temperature generalized thermoelasticity. <i>Mathematics and Mechanics of Solids</i> , 2012, 17, 279-288.	1.5	4
79	Reflection of PandSVwaves from the free surface of a two-temperature thermoelastic solid half-space. <i>Journal of Mechanics of Materials and Structures</i> , 2012, 7, 183-193.	0.4	4
80	Wave Propagation in a Rotating Transversely Isotropic Two-Temperature Generalized Thermoelastic Medium Without Dissipation. <i>International Journal of Thermophysics</i> , 2016, 37, 1.	1.0	4
81	Rayleigh Wave in a Micropolar Elastic Medium with Impedance Boundary Conditions. <i>Geosciences Research</i> , 2017, 2, .	0.4	4
82	Reflection of Elastic Waves from Plane Surface of a Half-space with Impedance Boundary Conditions. <i>Geosciences Research</i> , 2017, 2, .	0.4	4
83	Propagation of Waves in a Two-Temperature Rotating Thermoelastic Solid Half-Space without Energy Dissipation. <i>Applied Mathematics</i> , 2012, 03, 1903-1909.	0.1	4
84	On Rayleigh wave in generalized magneto-thermoelastic media with hydrostatic initial stress. <i>Bulletin of the Polish Academy of Sciences: Technical Sciences</i> , 2012, 60, 349-352.	0.8	3
85	Effects of Two-Temperature on Rayleigh Wave in Generalized Magneto-Thermoelastic Media With Hydrostatic Initial Stress. <i>Journal of Heat Transfer</i> , 2019, 141, 072002.	1.2	3
86	Propagation of plane harmonic waves in flexoelectric microstructured solids. <i>Indian Journal of Physics</i> , 2021, 95, 2405-2410.	0.9	3
87	Reflection of Plane Waves from Surface of a Generalized Thermo-Viscoelastic Porous Solid Half-Space with Impedance Boundary Conditions. <i>Mechanics and Mechanical Engineering</i> , 2018, 22, 1483-1496.	0.2	3
88	Propagation of Waves at an Interface between a Liquid Half-Space and an Orthotropic Micropolar Solid Half-Space. <i>Advances in Acoustics and Vibration</i> , 2011, 2011, 1-5.	0.5	2
89	Spatial Variability of Pesticide Sorption: Measurements and Integration to Pesticide Fate Models. <i>ACS Symposium Series</i> , 2014, , 255-274.	0.5	2
90	Propagation of plane waves in an isotropic two-temperature thermoelastic solid half-space with diffusion. <i>Annals of Solid and Structural Mechanics</i> , 2014, 6, 37-45.	0.5	2

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91	Wave propagation in an incompressible transversely isotropic thermoelastic solid. <i>Meccanica</i> , 2015, 50, 1817-1825.	1.2	2
92	Wave propagation in a transversely isotropic microstretch elastic solid. <i>Mechanics of Advanced Materials and Modern Processes</i> , 2017, 3, .	2.2	2
93	Effects of rotation, voids and diffusion on characteristics of plane waves in a thermoelastic material. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019, 16, 73-92.	0.6	2
94	The Effect of Rotation on Propagation of Rayleigh Wave in an Incompressible Monoclinic Elastic Solid. <i>Journal of Mechanics</i> , 2020, 36, 485-495.	0.7	2
95	Propagation characteristics of plane waves in nonlocal isotropic diffusive materials. <i>Applied Mathematical Modelling</i> , 2022, 104, 306-314.	2.2	2
96	Nonlocal effects on Rayleigh-type surface wave in a micropolar piezoelectric medium. <i>Vietnam Journal of Mechanics</i> , 2022, 44, 1-13.	0.2	2
97	Propagation of Plane Waves in a Thermally Conducting Mixture. <i>ISRN Applied Mathematics</i> , 2011, 2011, 1-12.	0.5	1
98	Wave Propagation in Two-Temperature Porothermoelasticity. <i>International Journal of Thermophysics</i> , 2020, 41, 1.	1.0	1
99	Energy shares of plane harmonic wave at an interface between two microstructured flexoelectric half-spaces. <i>Waves in Random and Complex Media</i> , 2023, 33, 702-720.	1.6	1
100	Heat Transfer Due to Thermoelastic Wave Propagation in a Porous Rod. <i>Journal of Heat Transfer</i> , 2021, 143, .	1.2	1
101	Rayleigh waves on the impedance boundary of a rotating monoclinic half-space. <i>Acta Mechanica</i> , 2021, 232, 2479-2491.	1.1	1
102	Propagation of waves in an incompressible rotating transversely isotropic nonlocal elastic solid. <i>Vietnam Journal of Mechanics</i> , 0, , .	0.2	1
103	Reflection at non-free boundary of a micropolar piezoelectric half-space. <i>Forces in Mechanics</i> , 2021, 3, 100019.	1.3	1
104	Rayleigh Wave in a Rotating Magneto-Thermo-Elastic Half-Plane. <i>Journal of Theoretical and Applied Mechanics (Bulgaria)</i> , 2012, 42, .	0.6	1
105	Influence of magnetic field on wave propagation at liquid-microstretch solid interface. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2011, 32, 595-602.	1.9	0
106	Reflection of Plane Waves in a Rotating Temperature-Dependent Thermoelastic Solid with Diffusion. <i>Journal of Mechanics</i> , 2012, 28, 599-606.	0.7	0
107	Effect of rotation on propagation of waves in an incompressible orthotropic elastic solid. <i>International Journal of Theoretical and Applied Multiscale Mechanics</i> , 2013, 2, 298.	0.5	0
108	Reflection of plane waves from the boundary of an incompressible finitely deformed electroactive half-space. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2018, 69, 1.	0.7	0

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109	Rayleigh-type surface waves in a thermally conducting mixture of an elastic solid and a Newtonian fluid. <i>Multidiscipline Modeling in Materials and Structures</i> , 2022, 18, 185-200.	0.6	0