

Baljeet Singh

List of Publications by Citations

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106
papers

1,425
citations

21
h-index

34
g-index

111
ext. papers

1,556
ext. citations

2.2
avg, IF

5.41
L-index

#	Paper	IF	Citations
106	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	1.8	92
105	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	3.1	87
104	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	3.9	68
103	Wave propagation in thermally conducting linear fibre-reinforced composite materials. <i>Archive of Applied Mechanics</i> , 2006 , 75, 513-520	2.2	64
102	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	1	59
101	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	1.2	57
100	Wave propagation in a generalized thermoelastic material with voids. <i>Applied Mathematics and Computation</i> , 2007 , 189, 698-709	2.7	55
99	Effect of hydrostatic initial stresses on waves in a thermoelastic solid half-space. <i>Applied Mathematics and Computation</i> , 2008 , 198, 494-505	2.7	44
98	Reflection of generalized thermoelastic waves from a solid half-space under hydrostatic initial stress. <i>Applied Mathematics and Computation</i> , 2006 , 177, 170-177	2.7	42
97	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	5.7	39
96	Wave propagation in a generalized thermo-microstretch elastic solid. <i>International Journal of Engineering Science</i> , 1998 , 36, 891-912	5.7	39
95	Wave propagation in a prestressed piezoelectric half-space. <i>Acta Mechanica</i> , 2010 , 211, 337-344	2.1	37
94	Wave propagation in an incompressible transversely isotropic fibre-reinforced elastic media. <i>Archive of Applied Mechanics</i> , 2007 , 77, 253-258	2.2	30
93	Simple and efficient method for the estimation of residues of flubendiamide and its metabolite desiodo flubendiamide. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 2299-302	5.7	29
92	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	3.7	25
91	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	1.8	24
90	Persistence of imidacloprid on grape leaves, grape berries and soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009 , 82, 239-42	2.7	23

89	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	5.7	23
88	On Propagation of Plane Waves in Generalized Porothermoelasticity. <i>Bulletin of the Seismological Society of America</i> , 2011 , 101, 756-762	2.3	22
87	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	5.7	22
86	On theory of generalized thermoelastic solids with voids and diffusion. <i>European Journal of Mechanics, A/Solids</i> , 2011 , 30, 976-982	3.7	21
85	Wave propagation in an orthotropic micropolar elastic solid. <i>International Journal of Solids and Structures</i> , 2007 , 44, 3638-3645	3.1	21
84	REFLECTION OF PLANE SOUND WAVE FROM A MICROPOLAR GENERALIZED THERMOELASTIC SOLID HALF-SPACE. <i>Journal of Sound and Vibration</i> , 2000 , 235, 685-696	3.9	21
83	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		20
82	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	9.6	19
81	Wave propagation in an initially stressed transversely isotropic thermoelastic solid half-space. <i>Applied Mathematics and Computation</i> , 2010 , 217, 705-715	2.7	19
80	Reflection of homogeneous elastic waves from free surface of nematic elastomer half-space. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 584-592	3	18
79	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	5.8	17
78	On the theory of generalized thermoelasticity for piezoelectric materials. <i>Applied Mathematics and Computation</i> , 2005 , 171, 398-405	2.7	16
77	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	4.5	14
76	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	5.7	13
75	Plane Waves in a Rotating Monoclinic Magneto-thermoelastic Medium. <i>Journal of Engineering Physics and Thermophysics</i> , 2016 , 89, 428-440	0.6	12
74	Wave propagation in dual-phase-lag anisotropic thermoelasticity. <i>Continuum Mechanics and Thermodynamics</i> , 2013 , 25, 675-683	3.5	12
73	Wave Propagation in a Green-Naghdi Thermoelastic Solid with Diffusion. <i>International Journal of Thermophysics</i> , 2013 , 34, 553-566	2.1	12
72	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	1	12

71	Propagation of Shear Waves in a Piezoelectric Medium. <i>Mechanics of Advanced Materials and Structures</i> , 2013 , 20, 434-440	1.8	10
70	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	1.8	9
69	Plane waves in a transversely isotropic rotating magnetothermoelastic medium. <i>Journal of Engineering Physics and Thermophysics</i> , 2012 , 85, 1226-1232	0.6	9
68	Wave reflection at viscoelastic micropolar elastic interface. <i>Applied Mathematics and Computation</i> , 2007 , 185, 421-431	2.7	9
67	REFLECTION OF PLANE WAVES FROM A FREE SURFACE OF A POROTHERMOELASTIC SOLID HALF-SPACE. <i>Journal of Porous Media</i> , 2013 , 16, 945-957	2.9	9
66	Harmonic waves solution in dual-phase-lag magneto-thermoelasticity. <i>Open Physics</i> , 2019 , 17, 8-15	1.3	8
65	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	1.8	8
64	Propagation of Rayleigh Wave in a Two-Temperature Generalized Thermoelastic Solid Half-Space. <i>ISRN Geophysics</i> , 2013 , 2013, 1-6		8
63	Reflection coefficients and energy ratios in a micropolar thermoelastic medium without energy dissipation. <i>ANZIAM Journal</i> , 2007 , 48, 433-447	0.5	8
62	Rayleigh-type surface waves in a nonlocal thermoelastic solid half space with voids. <i>Waves in Random and Complex Media</i> , 1-12	1.9	8
61	Effects of voids and rotation on P wave in a thermoelastic half-space under Green-Naghdi theory. <i>Mathematics and Mechanics of Solids</i> , 2012 , 17, 243-253	2.3	7
60	Rayleigh wave in a thermoelastic solid half-space with impedance boundary conditions. <i>Meccanica</i> , 2016 , 51, 1135-1139	2.1	6
59	Propagation of Rayleigh waves in an incompressible rotating orthotropic elastic solid half-space with impedance boundary conditions. <i>Journal of the Mechanical Behavior of Materials</i> , 2017 , 26, 73-78	1.9	6
58	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	4.4	6
57	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	4.4	6
56	Reflection of plane wave in a micropolar thermoelastic solid half-space with diffusion. <i>Journal of Thermal Stresses</i> , 2016 , 39, 1378-1388	2.2	6
55	Verification of Optimality and Costate Estimation Using Hilbert Space Projection. <i>Journal of Guidance, Control, and Dynamics</i> , 2009 , 32, 1345-1355	2.1	6
54	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

53	Plane waves in a thermally conducting viscous liquid. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2004 , 29, 27-34	1	6
52	A note on energy flux in micropolar elastic waves. <i>International Journal of Engineering Science</i> , 2000 , 38, 2013-2022	5.7	6
51	On Rayleigh Wave in Two-Temperature Generalized Thermoelastic Medium without Energy Dissipation. <i>Applied Mathematics</i> , 2013 , 04, 107-112	0.4	6
50	Wave reflection by the free boundary of a microstructured flexoelectric half-space. <i>Mechanics Based Design of Structures and Machines</i> , 2020 , 1-23	1.7	5
49	Rayleigh Surface Wave in a Porothermoelastic Solid Half-Space 2017 ,		5
48	Rayleigh waves in an incompressible fibre-reinforced elastic solid with impedance boundary conditions. <i>Journal of the Mechanical Behavior of Materials</i> , 2015 , 24, 183-186	1.9	5
47	Propagation of Thermoelastic Waves in Micropolar Mixture of Porous Media. <i>International Journal of Thermophysics</i> , 2010 , 31, 637-647	2.1	5
46	Reflection of plane waves from free surface of a microstretch elastic solid. <i>Journal of Earth System Science</i> , 2002 , 111, 29-37	1.8	5
45	Effect of Impedance Boundary on Reflection of Plane Waves from free Surface of a Rotating Thermoelastic Solid Half Space. <i>Research Journal of Engineering and Technology</i> , 2017 , 8, 405		5
44	The effect of rotation on the propagation of waves in an incompressible transversely isotropic thermoelastic solid. <i>Acta Mechanica</i> , 2020 , 231, 2485-2495	2.1	4
43	Finite Element Analysis in a Rotating Thermoelastic Half-Space with Diffusion. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014 , 11, 2276-2282	0.3	4
42	Reflection of P and SV waves 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	1.2	4
41	Rayleigh Waves in a Rotating Orthotropic Micropolar Elastic Solid Half-Space. <i>International Journal of Geophysics</i> , 2013 , 2013, 1-5	2	4
40	Propagation of plane waves in anisotropic two temperature generalized thermoelasticity. <i>Mathematics and Mechanics of Solids</i> , 2012 , 17, 279-288	2.3	4
39	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	1	4
38	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	5.8	4
37	Propagation of Waves in a Two-Temperature Rotating Thermoelastic Solid Half-Space without Energy Dissipation. <i>Applied Mathematics</i> , 2012 , 03, 1903-1909	0.4	4
36	On Propagation of Rayleigh Type Surface Wave in a Micropolar Piezoelectric Medium. <i>Open Journal of Acoustics</i> , 2016 , 06, 35-44	0.1	4

35	Rayleigh-type surface wave on a rotating orthotropic elastic half-space with impedance boundary conditions. <i>JVC/Journal of Vibration and Control</i> , 2020 , 26, 1980-1987	2	3
34	Wave Propagation in a Rotating Transversely Isotropic Two-Temperature Generalized Thermoelastic Medium Without Dissipation. <i>International Journal of Thermophysics</i> , 2016 , 37, 1	2.1	3
33	Propagation of Rayleigh Wave in a Thermoelastic Solid Half-Space with Microtemperatures. <i>International Journal of Geophysics</i> , 2014 , 2014, 1-6	2	3
32	Propagation of plane waves in an anisotropic generalized thermoelastic solid with diffusion. <i>Journal of Engineering Physics and Thermophysics</i> , 2012 , 85, 478-486	0.6	3
31	Elastic wave propagation and attenuation in a generalized thermoporoelastic model. <i>Multidiscipline Modeling in Materials and Structures</i> , 2013 , 9, 256-267	2.2	3
30	Rayleigh wave in a micropolar thermoelastic medium without energy dissipation. <i>Engineering Solid Mechanics</i> , 2016 , 11-16	1.3	3
29	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	1.8	2
28	The Effect of Rotation on Propagation of Rayleigh Wave in an Incompressible Monoclinic Elastic Solid. <i>Journal of Mechanics</i> , 2020 , 36, 485-495	1	2
27	Spatial Variability of Pesticide Sorption: Measurements and Integration to Pesticide Fate Models. <i>ACS Symposium Series</i> , 2014 , 255-274	0.4	2
26	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
25	Rayleigh Wave in a Rotating Initially Stressed Piezoelectric Half-Space. <i>Journal of Theoretical and Applied Mechanics (Bulgaria)</i> , 2013 , 43,	5.8	2
24	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		2
23	Rayleigh Wave in a Micropolar Elastic Medium with Impedance Boundary Conditions. <i>Geosciences Research</i> , 2017 , 2,	0	2
22	Reflection of Elastic Waves from Plane Surface of a Half-space with Impedance Boundary Conditions. <i>Geosciences Research</i> , 2017 , 2,	0	2
21	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	0.9	2
20	Rayleigh surface wave at an impedance boundary of an incompressible micropolar solid half-space. <i>Mechanics of Advanced Materials and Structures</i> , 1-12	1.8	2
19	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	0.5	2
18	Wave propagation in a transversely isotropic microstretch elastic solid. <i>Mechanics of Advanced Materials and Modern Processes</i> , 2017 , 3,	2.2	1

17	Wave propagation in an incompressible transversely isotropic thermoelastic solid. <i>Meccanica</i> , 2015 , 50, 1817-1825	2.1	1
16	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	0.8	1
15	Propagation of Plane Waves in a Thermally Conducting Mixture. <i>ISRN Applied Mathematics</i> , 2011 , 2011, 1-12		1
14	Rayleigh waves on the impedance boundary of a rotating monoclinic half-space. <i>Acta Mechanica</i> , 2021 , 232, 2479-2491	2.1	1
13	Rayleigh-type surface wave in nonlocal isotropic diffusive materials. <i>Acta Mechanica</i> , 2021 , 232, 3407-3416		1
12	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	2.2	1
11	Reflection at non-free boundary of a micropolar piezoelectric half-space. <i>Forces in Mechanics</i> , 2021 , 3, 100019	1.5	1
10	Propagation of plane harmonic waves in flexoelectric microstructured solids. <i>Indian Journal of Physics</i> , 2021 , 95, 2405	1.4	0
9	Wave Propagation in Two-Temperature Porothermoelasticity. <i>International Journal of Thermophysics</i> , 2020 , 41, 1	2.1	
8	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	
7	Influence of magnetic field on wave propagation at liquid-microstretch solid interface. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2011 , 32, 595-602	3.2	
6	Reflection of Plane Waves in a Rotating Temperature-Dependent Thermoelastic Solid with Diffusion. <i>Journal of Mechanics</i> , 2012 , 28, 599-606	1	
5	Propagation characteristics of plane waves in nonlocal isotropic diffusive materials. <i>Applied Mathematical Modelling</i> , 2022 , 104, 306-314	4.5	
4	Energy shares of plane harmonic wave at an interface between two microstructured flexoelectric half-spaces. <i>Waves in Random and Complex Media</i> , 1-19	1.9	
3	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	1.6	
2	Nonlocal effects on Rayleigh-type surface wave in a micropolar piezoelectric medium. <i>Vietnam Journal of Mechanics</i> , 2022 , 44, 1-13	1.8	
1	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	2.2	