Rakhi Tiwari

List of Publications by Year
in descending order

23 papers	257 citations	1039406 9 h-index	1125271 13 g-index
23 all docs	23 docs citations	23 times ranked	66 citing authors

#	Article	IF	Citations
1	On electromagneto-thermoelastic plane waves under Green–Naghdi theory of thermoelasticity-II. Journal of Thermal Stresses, 2017, 40, 1040-1062.	1.1	26
2	Analysis of wave propagation in the presence of a continuous line heat source under heat transfer with memory dependent derivatives. Mathematics and Mechanics of Solids, 2018, 23, 820-834.	1.5	24
3	Analysis of a magneto-thermoelastic problem in a piezoelastic medium using the non-local memory-dependent heat conduction theory involving three phase lags. Mechanics of Time-Dependent Materials, 2022, 26, 271-287.	2.3	23
4	Memory response on magneto-thermoelastic vibrations on a viscoelastic micro-beam exposed to a laser pulse heat source. Applied Mathematical Modelling, 2021, 99, 328-345.	2.2	22
5	Analysis of plane wave propagation under the purview of three phase lag theory of thermoelasticity with non-local effect. European Journal of Mechanics, A/Solids, 2021, 88, 104235.	2.1	20
6	Investigation of thermal excitation induced by laser pulses and thermal shock in the half space medium with variable thermal conductivity. Waves in Random and Complex Media, 2022, 32, 2313-2331.	1.6	18
7	Significance of memory-dependent derivative approach for the analysis of thermoelastic damping in micromechanical resonators. Mechanics of Time-Dependent Materials, 2022, 26, 101-118.	2.3	18
8	Magneto-thermoelastic wave propagation in a finitely conducting medium: A comparative study for three types of thermoelasticity I, II, and III. Journal of Thermal Stresses, 2021, 44, 785-806.	1.1	16
9	Magneto-thermoelastic excitation induced by a thermal shock: a study under the purview of three phase lag theory. Waves in Random and Complex Media, 2022, 32, 797-818.	1.6	13
10	Non-local effect on quality factor of micro-mechanical resonator under the purview of three-phase-lag thermoelasticity with memory-dependent derivative. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	11
11	The thermoelastic vibration of nano-sized rotating beams with variable thermal properties under axial load via memory-dependent heat conduction. Meccanica, 2022, 57, 2001-2025.	1.2	11
12	Characterization of thermal damage of skin tissue subjected to moving heat source in the purview of dual phase lag theory with memory-dependent derivative. Waves in Random and Complex Media, 0, , 1-18.	1.6	10
13	Thermoelastic vibrations of nano-beam with varying axial load and ramp type heating under the purview of Moore–Gibson–Thompson generalized theory of thermoelasticity. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	8
14	On harmonic plane wave propagation under fractional order thermoelasticity: an analysis of fractional order heat conduction equation. Mathematics and Mechanics of Solids, 2017, 22, 782-797.	1.5	7
15	Magneto-thermoelastic interactions in generalized thermoelastic half-space for varying thermal and electrical conductivity. Waves in Random and Complex Media, 0, , 1-17.	1.6	7
16	Analysis of the photo-thermal excitation in a semiconducting medium under the purview of DPL theory involving non-local effect. Meccanica, 2022, 57, 2027-2041.	1.2	6
17	Thermo-viscoelastic transversely isotropic rotating hollow cylinder based on three-phase lag thermoelastic model and fractional Kelvin–Voigt type. Acta Mechanica, 2022, 233, 2453-2470.	1.1	5
18	Analysis of magnetic field effect in micro-beam resonators at distinct boundary conditions. Waves in Random and Complex Media, 2023, 33, 312-328.	1.6	3

#	Article	IF	Citations
19	Perusal of flexoelectric effect with deformed interface in distinct (PZT-7A, PZT-5A, PZT-6B, PZT-4, PZT-2) piezoelectric materials. Waves in Random and Complex Media, 0, , 1-18.	1.6	3
20	Investigation on Magneto-thermoelastic Disturbances Induced by Thermal Shock in an Elastic Half Space Having Finite Conductivity under Dual Phase-lag Heat Conduction. Computational Methods in Science and Technology, 2016, 22, 201-215.	0.3	2
21	Effects of variable thermal properties on thermoelastic waves induced by sinusoidal heat source in half space medium. Materials Today: Proceedings, 2022, 62, 5099-5104.	0.9	2
22	Analysis of phase lag effect in generalized magneto thermoelasticity with moving heat source. Waves in Random and Complex Media, 0, , 1-18.	1.6	1
23	Modeling of the Liouville–Green method to approximate the mechanical waves in functionally graded and piezo material with a comparative study. Waves in Random and Complex Media, 0, , 1-22.	1.6	1