

Ravi Kumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4588452/publications.pdf>

Version: 2024-02-01

15
papers

196
citations

1162889

8
h-index

1199470

12
g-index

15
all docs

15
docs citations

15
times ranked

60
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Effects of phase-lag on thermoelastic damping in micromechanical resonators. <i>Journal of Thermal Stresses</i> , 2018, 41, 1115-1124. | 1.1 | 27 |
| 2 | Analysis of a magneto-thermoelastic problem in a piezoelectric medium using the non-local memory-dependent heat conduction theory involving three phase lags. <i>Mechanics of Time-Dependent Materials</i> , 2022, 26, 271-287. | 2.3 | 23 |
| 3 | Analysis of plane wave propagation under the purview of three phase lag theory of thermoelasticity with non-local effect. <i>European Journal of Mechanics, A/Solids</i> , 2021, 88, 104235. | 2.1 | 20 |
| 4 | Investigation of thermal excitation induced by laser pulses and thermal shock in the half space medium with variable thermal conductivity. <i>Waves in Random and Complex Media</i> , 2022, 32, 2313-2331. | 1.6 | 18 |
| 5 | Significance of memory-dependent derivative approach for the analysis of thermoelastic damping in micromechanical resonators. <i>Mechanics of Time-Dependent Materials</i> , 2022, 26, 101-118. | 2.3 | 18 |
| 6 | Effects of Phase Lags on Thermoelastic Damping in Micro-Beam Resonators. <i>International Journal of Structural Stability and Dynamics</i> , 2019, 19, 1971005. | 1.5 | 16 |
| 7 | Thermoelastic interactions on hyperbolic two-temperature generalized thermoelasticity in an infinite medium with a cylindrical cavity. <i>European Journal of Mechanics, A/Solids</i> , 2020, 82, 104007. | 2.1 | 15 |
| 8 | Effect of phase-lag on thermoelastic vibration of Timoshenko beam. <i>Journal of Thermal Stresses</i> , 2020, 43, 1337-1354. | 1.1 | 14 |
| 9 | Non-local effect on quality factor of micro-mechanical resonator under the purview of three-phase-lag thermoelasticity with memory-dependent derivative. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1. | 1.1 | 11 |
| 10 | Characterization of thermal damage of skin tissue subjected to moving heat source in the purview of dual phase lag theory with memory-dependent derivative. <i>Waves in Random and Complex Media</i> , 0, , 1-18. | 1.6 | 10 |
| 11 | Effect of two-temperature parameter on thermoelastic vibration in micro and nano beam resonator. <i>European Journal of Mechanics, A/Solids</i> , 2021, 89, 104310. | 2.1 | 7 |
| 12 | Analysis of the photo-thermal excitation in a semiconducting medium under the purview of DPL theory involving non-local effect. <i>Meccanica</i> , 2022, 57, 2027-2041. | 1.2 | 6 |
| 13 | A study of thermoelastic damping in micromechanical resonators under unified generalized thermoelasticity formulation. <i>Noise and Vibration Worldwide</i> , 2019, 50, 169-175. | 0.4 | 4 |
| 14 | Analysis of the quality factor of micromechanical resonators using memory-dependent derivative under different models. <i>Archive of Applied Mechanics</i> , 2021, 91, 2735-2745. | 1.2 | 4 |
| 15 | Analysis of magnetic field effect in micro-beam resonators at distinct boundary conditions. <i>Waves in Random and Complex Media</i> , 2023, 33, 312-328. | 1.6 | 3 |