# Roushan Kumar

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 24<br>papers | 436<br>citations | 687363<br>13<br>h-index | 713466<br>21<br>g-index |
| 24<br>all docs | 24<br>docs citations | 24<br>times ranked | 125<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Effects of thermal relaxation time on plane wave propagation under two-temperature thermoelasticity. International Journal of Engineering Science, 2010, 48, 128-139. | 5.0 | 58 |
| 2 | Analysis of phase-lag effects on wave propagation in a thick plate under axisymmetric temperature distribution. Acta Mechanica, 2010, 210, 331-344. | 2.1 | 39 |
| 3 | Thermoelastic Interactions on Two-Temperature Generalized Thermoelasticity in an Infinite Medium with a Cylindrical Cavity. Journal of Thermal Stresses, 2009, 32, 341-360. | 2.0 | 37 |
| 4 | On the representation of solutions for the theory of generalized thermoelasticity with three phase-lags. Acta Mechanica, 2010, 214, 305-314. | 2.1 | 33 |
| 5 | Effects of phase-lag on thermoelastic damping in micromechanical resonators. Journal of Thermal Stresses, 2018, 41, 1115-1124. | 2.0 | 27 |
| 6 | Effects of Three Phase Lags on Generalized Thermoelasticity for an Infinite Medium with a Cylindrical Cavity. Journal of Thermal Stresses, 2009, 32, 1149-1165. | 2.0 | 26 |
| 7 | On the Theory of Two-Temperature Thermoelasticity with Two Phase-Lags. Journal of Thermal Stresses, 2011, 34, 352-365. | 2.0 | 25 |
| 8 | A Problem on Thermoelastic Interactions in an Infinite Medium with a Cylindrical Hole in Generalized Thermoelasticity III. Journal of Thermal Stresses, 2008, 31, 455-475. | 2.0 | 24 |
| 9 | Variational and Reciprocal Principles in Two-Temperature Generalized Thermoelasticity. Journal of Thermal Stresses, 2010, 33, 161-171. | 2.0 | 24 |
| 10 | A Domain of Influence Theorem for Thermoelasticity with Three-Phase-Lag Model. Journal of Thermal Stresses, 2015, 38, 744-755. | 2.0 | 20 |
| 11 | Significance of memory-dependent derivative approach for the analysis of thermoelastic damping in micromechanical resonators. Mechanics of Time-Dependent Materials, 2022, 26, 101-118. | 4.4 | 18 |
| 12 | Effects of phase lags on wave propagation in an infinite solid due to a continuous line heat source. Acta Mechanica, 2011, 217, 243-256. | 2.1 | 16 |
| 13 | Effects of Phase Lags on Thermoelastic Damping in Micro-Beam Resonators. International Journal of Structural Stability and Dynamics, 2019, 19, 1971005. | 2.4 | 16 |
| 14 | Some theorems on generalized thermoelastic diffusion. Acta Mechanica, 2011, 217, 287-296. | 2.1 | 15 |
| 15 | Thermoelastic interactions on hyperbolic two-temperature generalized thermoelasticity in an infinite medium with a cylindrical cavity. European Journal of Mechanics, A/Solids, 2020, 82, 104007. | 3.7 | 15 |
| 16 | On the Fundamental Solutions of Generalized Thermoelasticity with Three Phase-Lags. Journal of Thermal Stresses, 2010, 33, 1035-1048. | 2.0 | 11 |
| 17 | Some theorems on two-temperature generalized thermoelasticity. Archive of Applied Mechanics, 2011, 81, 1031-1040. | 2.2 | 10 |
| 18 | Effect of two-temperature parameter on thermoelastic vibration in micro and nano beam resonator. European Journal of Mechanics, A/Solids, 2021, 89, 104310. | 3.7 | 7 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | State-space approach to thermoelastic interactions in generalized thermoelasticity type III. Archive of Applied Mechanics, 2010, 80, 869-881. | 2.2 | 5 |
| 20 | A study of thermoelastic damping in micromechanical resonators under unified generalized thermoelasticity formulation. Noise and Vibration Worldwide, 2019, 50, 169-175. | 1.0 | 4 |
| 21 | Analysis of magnetic field effect in micro-beam resonators at distinct boundary conditions. Waves in Random and Complex Media, 2023, 33, 312-328. | 2.7 | 3 |
| 22 | On the characterization and stability of plane waves under hyperbolic two-temperature generalized thermoelasticity. Journal of Thermal Stresses, 2020, 43, 1513-1530. | 2.0 | 1 |
| 23 | Thermoelastic interactions on thick granular plate with three-phase-lag model under axisymmetric temperature distribution. Waves in Random and Complex Media, 0, , 1-21. | 2.7 | 1 |
| 24 | Thermoelastic interactions on a thick granular plate with type II thermoelasticity under axisymmetric temperature distribution. Waves in Random and Complex Media, 0, , 1-19. | 2.7 | 1 |