

Siddhartha Biswas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

355
citations

12
h-index

17
g-index

39
ext. papers

429
ext. citations

2
avg, IF

5.42
L-index

#	Paper	IF	Citations
38	Thermal shock problem in porous orthotropic medium with three-phase-lag model. <i>Indian Journal of Physics</i> , 2021 , 95, 289-298	1.4	6
37	Thermoelastic interaction in unbounded transversely isotropic medium containing spherical cavity with energy dissipation. <i>Indian Journal of Physics</i> , 2021 , 95, 705-716	1.4	2
36	Eigenvalue approach to a magneto-thermoelastic problem in transversely isotropic hollow cylinder: comparison of three theories. <i>Waves in Random and Complex Media</i> , 2021 , 31, 403-419	1.9	4
35	Rayleigh waves in a magneto-thermoelastic anisotropic half-space. <i>Journal of Thermal Stresses</i> , 2021 , 44, 197-213	2.2	2
34	Surface waves in piezothermoelastic transversely isotropic layer lying over piezothermoelastic transversely isotropic half-space. <i>Acta Mechanica</i> , 2021 , 232, 373-387	2.1	4
33	Reflection of P waves in porous thermoelastic medium with three-phase-lag model. <i>Waves in Random and Complex Media</i> , 2020 , 1-19	1.9	0
32	Surface waves in porous nonlocal thermoelastic orthotropic medium. <i>Acta Mechanica</i> , 2020 , 231, 2741-2760	2.6	19
31	Fundamental solution of steady oscillations equations in nonlocal thermoelastic medium with voids. <i>Journal of Thermal Stresses</i> , 2020 , 43, 284-304	2.2	8
30	Three-dimensional thermoelastic problem in orthotropic medium. <i>Journal of Thermal Stresses</i> , 2020 , 43, 21-37	2.2	1
29	Eigenvalue approach to hyperbolic thermoelastic problem in porous orthotropic medium with Green-Lindsay model. <i>Mechanics Based Design of Structures and Machines</i> , 2020 , 1-17	1.7	1
28	Rayleigh waves in a nonlocal thermoelastic layer lying over a nonlocal thermoelastic half-space. <i>Acta Mechanica</i> , 2020 , 231, 4129-4144	2.1	9
27	Surface waves in porous thermoelastic medium with two relaxation times. <i>Mechanics Based Design of Structures and Machines</i> , 2020 , 1-19	1.7	2
26	State Space Approach to Thermoelastic Problem with Three-Phase-Lag Model. <i>International Applied Mechanics</i> , 2020 , 56, 240-252	1	1
25	Three-dimensional nonlocal thermoelasticity in orthotropic medium based on Eringen's nonlocal elasticity. <i>Waves in Random and Complex Media</i> , 2020 , 1-22	1.9	4
24	Electromagneto-thermoelastic interactions in initially stressed orthotropic medium with Green-Laghdi model type-III. <i>Mechanics Based Design of Structures and Machines</i> , 2020 , 1-16	1.7	2
23	Fundamental solution of steady oscillations in thermoelastic medium with voids. <i>Waves in Random and Complex Media</i> , 2020 , 30, 759-775	1.9	7
22	P, T, and SV wave propagation at the interface between solid-liquid media with magnetic field and initial stress in the context of three-phase-lag model. <i>Mechanics of Advanced Materials and Structures</i> , 2020 , 27, 165-175	1.8	3

21	Surface waves in nonlocal thermoelastic medium with state space approach. <i>Journal of Thermal Stresses</i> , 2020 , 43, 667-686	2.2	12
20	Modeling of memory-dependent derivatives in orthotropic medium with three-phase-lag model under the effect of magnetic field. <i>Mechanics Based Design of Structures and Machines</i> , 2019 , 47, 302-318 ¹⁻⁷		24
19	Eigenfunction expansion method to characterize Rayleigh wave propagation in orthotropic medium with phase lags. <i>Waves in Random and Complex Media</i> , 2019 , 29, 722-742	1.9	15
18	Three-dimensional vibration analysis in transversely isotropic cylinder with matrix Frobenius method. <i>Journal of Thermal Stresses</i> , 2019 , 42, 1207-1228	2.2	3
17	Modeling of memory-dependent derivatives with the state-space approach. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019 , 16, 657-677	2.2	1
16	Vibration analysis of transversely isotropic hollow cylinder considering three different theories using the matrix Frobenius method. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019 , 15, 1212-1237 ^{2,3}		1
15	Three-dimensional vibration analysis of porous cylindrical panel with a three-phase-lag model. <i>Waves in Random and Complex Media</i> , 2019 , 1-26	1.9	7
14	Effect of rotation in magneto-thermoelastic transversely isotropic hollow cylinder with three-phase-lag model. <i>Mechanics Based Design of Structures and Machines</i> , 2019 , 47, 234-254	1.7	17
13	Fundamental solution of steady oscillations for porous materials with dual-phase-lag model in micropolar thermoelasticity. <i>Mechanics Based Design of Structures and Machines</i> , 2019 , 47, 430-452	1.7	26
12	Stroh analysis of Rayleigh waves in anisotropic thermoelastic medium. <i>Journal of Thermal Stresses</i> , 2018 , 41, 627-644	2.2	15
11	A thermodynamic framework to analyze the thermal shock response in an anisotropic hollow cylinder with energy dissipation. <i>Multidiscipline Modeling in Materials and Structures</i> , 2018 , 14, 410-430	2.2	3
10	Eigenfunction expansion method to analyze thermal shock behavior in magneto-thermoelastic orthotropic medium under three theories. <i>Journal of Thermal Stresses</i> , 2018 , 41, 366-382	2.2	22
9	Effect of phase-lags on Rayleigh wave propagation in initially stressed magneto-thermoelastic orthotropic medium. <i>Applied Mathematical Modelling</i> , 2018 , 59, 713-727	4.5	24
8	Fundamental solution of the steady oscillations equations in porous thermoelastic medium with dual-phase-lag model. <i>Mechanics of Materials</i> , 2018 , 126, 140-147	3.3	31
7	Rayleigh surface wave propagation in orthotropic thermoelastic solids under three-phase-lag model. <i>Journal of Thermal Stresses</i> , 2017 , 40, 403-419	2.2	37
6	Thermal shock response in magneto-thermoelastic orthotropic medium with three-phase-lag model. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 879-897	1.3	15
5	Effect of rotation on Rayleigh waves in magneto-thermoelastic transversely isotropic medium with thermal relaxation times. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 1485-1507	1.3	18
4	A Scalable Hierarchical Ring Based Wireless Network-on-Chip 2016 ,		1

3	The propagation of plane waves in nonlocal visco-thermoelastic porous medium based on nonlocal strain gradient theory. <i>Waves in Random and Complex Media</i> ,1-32	1.9	6
2	Rayleigh waves in porous nonlocal orthotropic thermoelastic layer lying over porous nonlocal orthotropic thermoelastic half space. <i>Waves in Random and Complex Media</i> ,1-27	1.9	2
1	State space approach to characterize Rayleigh waves in a layer lying over a half-space with nonlocal thermoelasticity. <i>Waves in Random and Complex Media</i> ,1-27	1.9	