

Siddhartha Biswas

List of Publications by Year in descending order

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39
papers

499
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686830

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times ranked

155
citing authors

#	ARTICLE	IF	CITATIONS
1	Rayleigh surface wave propagation in orthotropic thermoelastic solids under three-phase-lag model. <i>Journal of Thermal Stresses</i> , 2017, 40, 403-419.	1.1	45
2	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.	1.7	44
3	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.	3.4	33
4	Effect of phase-lags on Rayleigh wave propagation in initially stressed magneto-thermoelastic orthotropic medium. <i>Applied Mathematical Modelling</i> , 2018, 59, 713-727.	2.2	31
5	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.	3.4	27
6	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.	1.1	26
7	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.	3.4	26
8	Surface waves in porous nonlocal thermoelastic orthotropic medium. <i>Acta Mechanica</i> , 2020, 231, 2741-2760.	1.1	26
9	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.	1.0	23
10	Surface waves in nonlocal thermoelastic medium with state space approach. <i>Journal of Thermal Stresses</i> , 2020, 43, 667-686.	1.1	22
11	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.	1.0	19
12	Rayleigh waves in a nonlocal thermoelastic layer lying over a nonlocal thermoelastic half-space. <i>Acta Mechanica</i> , 2020, 231, 4129-4144.	1.1	19
13	Stroh analysis of Rayleigh waves in anisotropic thermoelastic medium. <i>Journal of Thermal Stresses</i> , 2018, 41, 627-644.	1.1	18
14	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.	1.6	17
15	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> , 2024, 34, 372-403.	1.6	16
16	Fundamental solution of steady oscillations equations in nonlocal thermoelastic medium with voids. <i>Journal of Thermal Stresses</i> , 2020, 43, 284-304.	1.1	13
17	Surface waves in piezothermoelastic transversely isotropic layer lying over piezothermoelastic transversely isotropic half-space. <i>Acta Mechanica</i> , 2021, 232, 373-387.	1.1	10
18	Three-dimensional vibration analysis of porous cylindrical panel with a three-phase-lag model. <i>Waves in Random and Complex Media</i> , 2021, 31, 1879-1904.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Fundamental solution of steady oscillations in thermoelastic medium with voids. <i>Waves in Random and Complex Media</i> , 2020, 30, 759-775.	1.6	9
20	Thermal shock problem in porous orthotropic medium with three-phase-lag model. <i>Indian Journal of Physics</i> , 2021, 95, 289-298.	0.9	9
21	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.	1.5	8
22	Three-dimensional nonlocal thermoelasticity in orthotropic medium based on Eringen's nonlocal elasticity. <i>Waves in Random and Complex Media</i> , 2022, 32, 1128-1149.	1.6	8
23	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.	1.6	7
24	Electro-magneto-thermoelastic interactions in initially stressed orthotropic medium with Green-Naghdi model type-III. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 3649-3664.	3.4	4
25	Thermoelastic interaction in unbounded transversely isotropic medium containing spherical cavity with energy dissipation. <i>Indian Journal of Physics</i> , 2021, 95, 705-716.	0.9	4
26	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.	0.6	3
27	Three-dimensional vibration analysis in transversely isotropic cylinder with matrix Frobenius method. <i>Journal of Thermal Stresses</i> , 2019, 42, 1207-1228.	1.1	3
28	Reflection of P waves in porous thermoelastic medium with three-phase-lag model. <i>Waves in Random and Complex Media</i> , 2022, 32, 2105-2123.	1.6	3
29	Rayleigh waves in porous nonlocal orthotropic thermoelastic layer lying over porous nonlocal orthotropic thermoelastic half space. <i>Waves in Random and Complex Media</i> , 0, , 1-27.	1.6	3
30	A Scalable Hierarchical Ring Based Wireless Network-on-Chip. , 2016, , .		2
31	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.	0.6	2
32	Surface waves in porous thermoelastic medium with two relaxation times. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 4297-4315.	3.4	2
33	Rayleigh waves in a magneto-thermoelastic anisotropic half-space. <i>Journal of Thermal Stresses</i> , 2021, 44, 197-213.	1.1	2
34	RAYLEIGH WAVES IN A THERMO-ORTHOTROPIC MEDIUM: A DYNAMIC ANALYSIS. <i>Computational Thermal Sciences</i> , 2018, 10, 557-574.	0.5	2
35	Modeling of memory-dependent derivatives with the state-space approach. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019, 16, 657-677.	0.6	1
36	Three-dimensional thermoelastic problem in orthotropic medium. <i>Journal of Thermal Stresses</i> , 2020, 43, 21-37.	1.1	1

#	ARTICLE	IF	CITATIONS
37	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.	3.4	1
38	State Space Approach to Thermoelastic Problem with Three-Phase-Lag Model. <i>International Applied Mechanics</i> , 2020, 56, 240-252.	0.2	1
39	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> , 0, , 1-27.	1.6	0