

Sudip Mondal

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.

45
papers

693
citations

15
h-index

24
g-index

46
ext. papers

819
ext. citations

1.7
avg, IF

5.89
L-index

#	Paper	IF	Citations
45	The Caputo-Fabrizio heat transport law in vibration analysis of a microscale beam induced by laser. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021 , 101, e202000215	1	6
44	Authors' reply to Comment on Magneto-thermoelastic interaction in a reinforced medium with cylindrical cavity in the context of Caputo-Fabrizio heat transport law, S. Mondal, A. Sur, M. Kanoria, <i>Acta Mech</i> 230, 4367-4384 (2019) by A. Pantokratoras. <i>Acta Mechanica</i> , 2021 , 232, 353-354	2.1	
43	Memory response in a two-dimensional transversely isotropic thick plate with varying heat source. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021 , 101, e202000236	1	0
42	Memory response on wave propagation in a thermoelastic plate due to moving band-type thermal loads and magnetic field. <i>Mechanics Based Design of Structures and Machines</i> , 2021 , 49, 172-193	1.7	21
41	Transient heating within skin tissue due to time-dependent thermal therapy in the context of memory dependent heat transport law. <i>Mechanics Based Design of Structures and Machines</i> , 2021 , 49, 271-285	1.7	19
40	Photo-thermo-elastic wave propagation under the influence of magnetic field in presence of memory responses. <i>Mechanics Based Design of Structures and Machines</i> , 2021 , 49, 862-883	1.7	33
39	Healing of the cancer tissues under the action of moving heat and non-local Caputo-Fabrizio heat transport. <i>Waves in Random and Complex Media</i> , 2020 , 1-16	1.9	4
38	Effect of nonlocality in the vibration of a microscale ribbon due to laser pulse. <i>Waves in Random and Complex Media</i> , 2020 , 1-25	1.9	2
37	Reflection of magneto-thermoelastic waves at a solid half-space under modified Green-Lindsay model with two temperatures. <i>Journal of Thermal Stresses</i> , 2020 , 43, 1083-1099	2.2	7
36	A graded spherical tissue under thermal therapy : the treatment of cancer cells. <i>Waves in Random and Complex Media</i> , 2020 , 1-20	1.9	14
35	Interactions of a Heat Source Moving over a Visco-Thermoelastic Rod kept in a Magnetic Field in the Lord-Shulman Model under a Memory Dependent Derivative. <i>Computational Mathematics and Modeling</i> , 2020 , 31, 256-276	0.5	7
34	Memory dependent derivative effect on generalized piezo-thermoelastic medium under three theories. <i>Waves in Random and Complex Media</i> , 2020 , 1-18	1.9	10
33	Memory response in the vibration of a micro-scale beam due to time-dependent thermal loading. <i>Mechanics Based Design of Structures and Machines</i> , 2020 , 1-23	1.7	16
32	Thermoelastic plane waves under the modified Green-Lindsay model with two-temperature formulation. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2020 , 100, e201900267	1	7
31	Photo-thermo-elastic wave propagation in an orthotropic semiconductor with a spherical cavity and memory responses. <i>Waves in Random and Complex Media</i> , 2020 , 1-24	1.9	51
30	Memory response for thermal distributions moving over a magneto-thermoelastic rod under Eringen's nonlocal theory. <i>Journal of Thermal Stresses</i> , 2020 , 43, 72-89	2.2	10
29	Memory Response in a Magneto-Thermoelastic Rod with Moving Heat Source Based on Eringen's Nonlocal Theory Under Dual-Phase Lag Heat Conduction. <i>International Journal of Computational Methods</i> , 2020 , 17, 1950072	1.1	12

28	Two-dimensional problem of two-temperature generalized thermoelasticity using memory-dependent heat transfer: an integral transform approach. <i>Indian Journal of Physics</i> , 2020 , 94, 1965-1974	1.4	8
27	Influence of Moving Heat Source on Skin Tissue in the Context of Two-Temperature Caputo-Fabrizio Heat Transport Law. <i>Journal of Multiscale Modeling</i> , 2020 , 11, 2050002	0.8	15
26	A generalized thermoelastic problem due to nonlocal effect in presence of mode I crack. <i>Journal of Thermal Stresses</i> , 2020 , 43, 1277-1299	2.2	12
25	Effect of non-locality in the vibration of a micro-scale beam under two-temperature memory responses. <i>Waves in Random and Complex Media</i> , 2020 , 1-28	1.9	4
24	Effect of nonlocality and memory responses in the thermoelastic problem with a Mode I crack. <i>Waves in Random and Complex Media</i> , 2020 , 1-26	1.9	11
23	Transient heating in a spherical tissue due to thermal therapy in the context of memory-dependent heat transport law. <i>Waves in Random and Complex Media</i> , 2020 , 1-19	1.9	6
22	Effect of hydrostatic pressure and memory effect on magneto-thermoelastic materials with two-temperatures. <i>Waves in Random and Complex Media</i> , 2020 , 1-30	1.9	10
21	Thermoelastic solutions for thermal distributions moving over thin slim rod under memory-dependent three-phase lag magneto-thermoelasticity. <i>Mechanics Based Design of Structures and Machines</i> , 2020 , 48, 277-298	1.7	30
20	Interactions due to a moving heat source in a thin slim rod under memory-dependent dual-phase lag magneto-thermo-visco-elasticity. <i>Mechanics of Time-Dependent Materials</i> , 2020 , 24, 233-252	1.2	12
19	Influence of moving heat source on skin tissue in the context of two-temperature memory-dependent heat transport law. <i>Journal of Thermal Stresses</i> , 2020 , 43, 55-71	2.2	22
18	Thermoelastic interaction in a magneto-thermoelastic rod with memory-dependent derivative due to the presence of moving heat source. <i>Indian Journal of Physics</i> , 2020 , 94, 1591-1602	1.4	16
17	Memory-dependent derivative effect on 2D problem of generalized thermoelastic rotating medium with Lord-Shulman model. <i>Indian Journal of Physics</i> , 2020 , 94, 1169-1181	1.4	15
16	Magneto-thermoelastic interaction in a reinforced medium with cylindrical cavity in the context of Caputo-Fabrizio heat transport law. <i>Acta Mechanica</i> , 2019 , 230, 4367-4384	2.1	28
15	Transient responses in a two-temperature thermoelastic infinite medium having cylindrical cavity due to moving heat source with memory-dependent derivative. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2019 , 99, e201800343	1	33
14	Transient response in a piezoelectric medium due to the influence of magnetic field with memory-dependent derivative. <i>Acta Mechanica</i> , 2019 , 230, 2325-2338	2.1	37
13	Waves in dual-phase-lag thermoelastic materials with voids based on Eringen's nonlocal elasticity. <i>Journal of Thermal Stresses</i> , 2019 , 42, 1035-1050	2.2	59
12	A memory response in the vibration of a microscale beam induced by laser pulse. <i>Journal of Thermal Stresses</i> , 2019 , 42, 1415-1431	2.2	32
11	Thermoelastic Interactions in a Slim Strip Due to a Moving Heat Source Under Dual-Phase-Lag Heat Transfer. <i>Journal of Heat Transfer</i> , 2019 , 141,	1.8	7

10	Memory-dependent derivative effect on wave propagation of micropolar thermoelastic medium under pulsed laser heating with three theories. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 30, 1025-1046	4.5	22
9	Thermoelastic response of fiber-reinforced epoxy composite under continuous line heat source. <i>Waves in Random and Complex Media</i> , 2019 , 1-31	1.9	15
8	Transient response in a thermoelastic half-space solid due to a laser pulse under three theories with memory-dependent derivative. <i>Acta Mechanica</i> , 2019 , 230, 179-199	2.1	44
7	Modeling and analysis of vibration of a gold nano-beam under two-temperature theor. <i>Engineering Solid Mechanics</i> , 2017 , 15-30	1.3	8
6	Fractional Order Two-Temperature Dual-Phase-Lag Thermoelasticity with Variable Thermal Conductivity. <i>International Scholarly Research Notices</i> , 2014 , 2014, 646049	0	13
5	LB theory for the propagation of the photo-thermal waves in a semiconducting nonlocal elastic medium. <i>Waves in Random and Complex Media</i> , 1-14	1.9	5
4	Effect of moving heat source on a magneto-thermoelastic rod in the context of Eringen's nonlocal theory under three-phase lag with a memory dependent derivative. <i>Mechanics Based Design of Structures and Machines</i> , 1-17	1.7	7
3	Nonlocal effects in a functionally graded thermoelastic layer due to volumetric absorption laser. <i>Waves in Random and Complex Media</i> , 1-21	1.9	
2	Field equations and memory effects in a functionally graded magneto-thermoelastic rod. <i>Mechanics Based Design of Structures and Machines</i> , 1-23	1.7	2
1	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> , 1-18	1.9	1