

Sudip Mondal

List of Publications by Year in descending order

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papers

1,017
citations

471061

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#	ARTICLE	IF	CITATIONS
1	Photo-thermo-elastic wave propagation in an orthotropic semiconductor with a spherical cavity and memory responses. <i>Waves in Random and Complex Media</i> , 2021, 31, 1835-1858.	1.6	92
2	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.	1.1	77
3	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.	1.1	52
4	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.	1.1	41
5	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.	0.9	41
6	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.	1.1	41
7	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.	3.4	40
8	A memory response in the vibration of a microscale beam induced by laser pulse. <i>Journal of Thermal Stresses</i> , 2019, 42, 1415-1431.	1.1	39
9	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.	3.4	38
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> , 2020, 30, 1025-1046.	1.6	35
11	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.	1.1	29
12	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.	0.9	29
13	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.	0.9	28
14	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.	3.4	26
15	Memory dependent derivative effect on generalized piezo-thermoelastic medium under three theories. <i>Waves in Random and Complex Media</i> , 2021, 31, 2150-2167.	1.6	25
16	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.	3.4	25
17	A graded spherical tissue under thermal therapy : the treatment of cancer cells. <i>Waves in Random and Complex Media</i> , 2022, 32, 488-507.	1.6	23
18	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> , 2022, 50, 1161-1183.	3.4	23

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19	Lâ€™S theory for the propagation of the photo-thermal waves in a semiconducting nonlocal elastic medium. <i>Waves in Random and Complex Media</i> , 2022, 32, 2622-2635.	1.6	23
20	Effect of moving heat source on a magneto-thermoelastic rod in the context of <i>Eringenâ€™s</i> nonlocal theory under three-phase lag with a memory dependent derivative. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 2501-2516.	3.4	22
21	Memory Response in a Magneto-Thermoelastic Rod with Moving Heat Source Based on Eringenâ€™s Nonlocal Theory Under Dual-Phase Lag Heat Conduction. <i>International Journal of Computational Methods</i> , 2020, 17, 1950072.	0.8	20
22	Influence of Moving Heat Source on Skin Tissue in the Context of Two-Temperature Caputoâ€™Fabrizio Heat Transport Law. <i>Journal of Multiscale Modeling</i> , 2020, 11, .	1.0	20
23	Fractional Order Two-Temperature Dual-Phase-Lag Thermoelasticity with Variable Thermal Conductivity. <i>International Scholarly Research Notices</i> , 2014, 2014, 1-13.	0.9	19
24	Memory response for thermal distributions moving over a magneto-thermoelastic rod under Eringenâ€™s nonlocal theory. <i>Journal of Thermal Stresses</i> , 2020, 43, 72-89.	1.1	17
25	Thermoelastic response of fiber-reinforced epoxy composite under continuous line heat source. <i>Waves in Random and Complex Media</i> , 2021, 31, 1749-1779.	1.6	16
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.	1.1	16
27	Thermoelastic plane waves under the modified Greenâ€™Lindsay model with twoâ€™temperature formulation. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2020, 100, e201900267.	0.9	16
28	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.	2.3	15
29	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.	0.9	13
30	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.	1.6	13
31	Reflection of magneto-thermoelastic waves at a solid half-space under modified Greenâ€™Lindsay model with two temperatures. <i>Journal of Thermal Stresses</i> , 2020, 43, 1083-1099.	1.1	13
32	Modeling and analysis of vibration of a gold nano-beam under two-temperature theor. <i>Engineering Solid Mechanics</i> , 2017, , 15-30.	0.6	10
33	Effect of hydrostatic pressure and memory effect on magneto-thermoelastic materials with two-temperatures. <i>Waves in Random and Complex Media</i> , 2022, 32, 906-935.	1.6	10
34	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
35	The Caputoâ€™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.	0.9	9
36	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, .	1.2	9

#	ARTICLE	IF	CITATIONS
37	Interactions of a Heat Source Moving over a Visco-Thermoelastic Rod kept in a Magnetic Field in the Lordâ€™Shulman Model under a Memory Dependent Derivative. Computational Mathematics and Modeling, 2020, 31, 256-276.	0.2	8
38	Effect of non-locality in the vibration of a micro-scale beam under two-temperature memory responses. Waves in Random and Complex Media, 2022, 32, 2368-2395.	1.6	7
39	Transient heating in a spherical tissue due to thermal therapy in the context of memory-dependent heat transport law. Waves in Random and Complex Media, 2022, 32, 887-905.	1.6	7
40	Field equations and memory effects in a functionally graded magneto-thermoelastic rod. Mechanics Based Design of Structures and Machines, 2023, 51, 1408-1430.	3.4	5
41	Thermoelastic vibrations in initially stressed rotating microbeams caused by laser irradiation. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, .	0.9	5
42	Healing of the cancer tissues under the action of moving heat and non-local Caputoâ€™Fabrizio heat transport. Waves in Random and Complex Media, 2022, 32, 2606-2621.	1.6	4
43	Effect of nonlocality in the vibration of a microscale ribbon due to laser pulse. Waves in Random and Complex Media, 2022, 32, 2751-2775.	1.6	3
44	Nonlocal effects in a functionally graded thermoelastic layer due to volumetric absorption laser. Waves in Random and Complex Media, 0, , 1-21.	1.6	2
45	Memory response in a twoâ€™dimensional transversely isotropic thick plate with varying heat source. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2021, 101, e202000236.	0.9	1
46	Authorsâ€™™ reply to Comment on â€™Magneto-thermoelastic interaction in a reinforced medium with cylindrical cavity in the context of Caputoâ€™Fabrizio heat transport law, S. Mondal, A. Sur, M. Kanoria, Acta Mech 230, 4367â€™4384 (2019)â€™by A. Pantokratoras. Acta Mechanica, 2021, 232, 353-354.	1.1	0