

# Soumen Shaw

## 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.

31 papers	266 citations	10 h-index	15 g-index
32 ext. papers	314 ext. citations	2.1 avg, IF	4.56 L-index

#	Paper	IF	Citations
31	Memory-dependent generalized thermoelasticity with finite wave speeds. <i>Mechanics of Materials</i> , <b>2021</b> , 153, 103655	3.3	0
30	Memory response on thermoelastic deformation in a solid half-space with a cylindrical hole. <i>Mechanics Based Design of Structures and Machines</i> , <b>2021</b> , 49, 233-255	1.7	10
29	Non-Gaussian laser pulse response on photo-thermoelastic interactions in a silicon plate under the light of memory-dependent thermoelasticity theory. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	0
28	Computational analysis on the influence of damping in solid body deformation during thermoelastic mass diffusion. <i>Waves in Random and Complex Media</i> , <b>2020</b> , 1-21	1.9	3
27	Thermal Memory Response in Magneto-thermoelastic Medium Having Long Cylindrical Cavity. <i>WSEAS Transactions on Circuits and Systems</i> , <b>2020</b> , 19, 1-12	0.4	1
26	A thermodynamic analysis of an enhanced theory of heat conduction model: Extended influence of finite strain and heat flux. <i>International Journal of Engineering Science</i> , <b>2020</b> , 152, 103277	5.7	6
25	Extensional and flexural modes of Rayleigh-Lamb wave in an orthotropic thermoelastic layer lying over a viscoelastic half-space. <i>Applied Mathematical Modelling</i> , <b>2020</b> , 84, 76-88	4.5	2
24	Memory response on thermal wave propagation emanating from a cavity in an unbounded elastic solid. <i>Journal of Thermal Stresses</i> , <b>2019</b> , 42, 294-311	2.2	8
23	Bending of a Thin Rectangular Isotropic Micropolar Plate. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , <b>2019</b> , 20, 64-71	0.7	1
22	Theory of Generalized Thermoelasticity with Memory-Dependent Derivatives. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2019</b> , 145, 04019003	2.4	23
21	Characteristics of Rayleigh wave propagation in orthotropic magneto-thermoelastic half-space: An eigen function expansion method. <i>Applied Mathematical Modelling</i> , <b>2019</b> , 67, 605-620	4.5	15
20	Effect of rotation in magneto-thermoelastic transversely isotropic hollow cylinder with three-phase-lag model. <i>Mechanics Based Design of Structures and Machines</i> , <b>2019</b> , 47, 234-254	1.7	17
19	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> , <b>2018</b> , 14, 410-430	2.2	3
18	Rayleigh surface wave propagation in orthotropic thermoelastic solids under three-phase-lag model. <i>Journal of Thermal Stresses</i> , <b>2017</b> , 40, 403-419	2.2	37
17	A discontinuity analysis of generalized thermoelasticity theory with memory-dependent derivatives. <i>Acta Mechanica</i> , <b>2017</b> , 228, 2675-2689	2.1	25
16	A Note on the Generalized Thermoelasticity Theory With Memory-Dependent Derivatives. <i>Journal of Heat Transfer</i> , <b>2017</b> , 139,	1.8	12
15	Thermal shock response in magneto-thermoelastic orthotropic medium with three-phase-lag model. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2017</b> , 31, 879-897	1.3	15

14	Mechanical Behavior of a Functionally Graded Rectangular Plate Under Transverse Load: A Cosserat Elasticity Analysis. <i>Journal of Failure Analysis and Prevention</i> , <b>2017</b> , 17, 690-698	0.9	
13	BENDING OF A THIN RECTANGULAR ISOTROPIC PLATE: A COSSERAT ELASTICITY ANALYSIS. <i>Composites: Mechanics, Computations, Applications</i> , <b>2017</b> , 8, 299-314	1	5
12	Theory of fractional-ordered thermoelastic diffusion. <i>European Physical Journal Plus</i> , <b>2016</b> , 131, 1	3.1	13
11	High frequency vibration of a rectangular micropolar beam: A dynamical analysis. <i>International Journal of Mechanical Sciences</i> , <b>2016</b> , 108-109, 83-89	5.5	8
10	A thermodynamic framework for the evaluation of microdamages in functionally graded medium. <i>Journal of Thermal Stresses</i> , <b>2016</b> , 39, 1268-1276	2.2	
9	An improved Regula falsi method for finding simple roots of nonlinear equations. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 254, 370-374	2.7	4
8	Analysis of Rayleigh surface wave propagation in isotropic micropolar solid under three-phase-lag model of thermoelasticity. <i>European Journal of Computational Mechanics</i> , <b>2015</b> , 24, 64-78	0.5	5
7	Thermoelastic Waves with Thermal Diffusion in an Isotropic Micropolar Plate. <i>Journal of Engineering Physics and Thermophysics</i> , <b>2015</b> , 88, 1264-1273	0.6	4
6	Electromagnetic Effects on Wave Propagation in an Isotropic Micropolar Plate. <i>Journal of Engineering Physics and Thermophysics</i> , <b>2015</b> , 88, 1537-1547	0.6	2
5	Moving Heat Source Response in a Thermoelastic Microelongated Solid. <i>Journal of Engineering Physics and Thermophysics</i> , <b>2013</b> , 86, 716-722	0.6	7
4	Moving heat source response in micropolar half-space with two-temperature theory. <i>Continuum Mechanics and Thermodynamics</i> , <b>2013</b> , 25, 523-535	3.5	15
3	Electromagnetic effects on Rayleigh surface wave propagation in a homogeneous isotropic thermo-microstretch elastic half-space. <i>Journal of Engineering Physics and Thermophysics</i> , <b>2012</b> , 85, 229-238	0.6	7
2	Periodically varying heat source response in a functionally graded microelongated medium. <i>Applied Mathematics and Computation</i> , <b>2012</b> , 218, 6304-6313	2.7	11
1	Thermo elastic waves with thermal relaxation in isotropic micropolar plate. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2011</b> , 36, 209-221	1	7