

# Hany Sherief

## List of Publications by Year in descending order

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101  
papers

3,682  
citations

136885

32  
h-index

155592

55  
g-index

101  
all docs

101  
docs citations

101  
times ranked

530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractional order theory of thermoelasticity. International Journal of Solids and Structures, 2010, 47, 269-275.	1.3	451
2	The theory of generalized thermoelastic diffusion. International Journal of Engineering Science, 2004, 42, 591-608.	2.7	363
3	A half-space problem in the theory of generalized thermoelastic diffusion. International Journal of Solids and Structures, 2005, 42, 4484-4493.	1.3	234
4	Effect of variable thermal conductivity on a half-space under the fractional order theory of thermoelasticity. International Journal of Mechanical Sciences, 2013, 74, 185-189.	3.6	125
5	FUNDAMENTAL SOLUTION OF THE GENERALIZED THERMOELASTIC PROBLEM FOR SHORT TIMES. Journal of Thermal Stresses, 1986, 9, 151-164.	1.1	118
6	On uniqueness and stability in generalized thermoelasticity. Quarterly of Applied Mathematics, 1987, 44, 773-778.	0.5	114
7	GENERALIZED ONE-DIMENSIONAL THERMAL-SHOCK PROBLEM FOR SMALL TIMES. Journal of Thermal Stresses, 1981, 4, 407-420.	1.1	80
8	A two-dimensional problem for a half-space in magneto-thermoelasticity with thermal relaxation. International Journal of Engineering Science, 2002, 40, 587-604.	2.7	79
9	THEORY OF GENERALIZED MICROPOLAR THERMOELASTICITY AND AN AXISYMMETRIC HALF-SPACE PROBLEM. Journal of Thermal Stresses, 2005, 28, 409-437.	1.1	74
10	STATE SPACE FORMULATION FOR GENERALIZED THERMOELASTICITY WITH ONE RELAXATION TIME INCLUDING HEAT SOURCES. Journal of Thermal Stresses, 1993, 16, 163-180.	1.1	72
11	STATE SPACE APPROACH TO GENERALIZED THERMOELASTICITY. Journal of Thermal Stresses, 1988, 11, 353-365.	1.1	69
12	GENERALIZED THERMOELASTIC PROBLEM OF A THICK PLATE UNDER AXISYMMETRIC TEMPERATURE DISTRIBUTION. Journal of Thermal Stresses, 1994, 17, 435-452.	1.1	67
13	PROBLEM IN GENERALIZED THERMOELASTICITY. Journal of Thermal Stresses, 1986, 9, 165-181.	1.1	66
14	A thermal-shock problem in magneto-thermoelasticity with thermal relaxation. International Journal of Solids and Structures, 1996, 33, 4449-4459.	1.3	63
15	AN INTERNAL PENNY-SHAPED CRACK IN AN INFINITE THERMOELASTIC SOLID. Journal of Thermal Stresses, 2003, 26, 333-352.	1.1	60
16	Generalized Theory of Thermoviscoelasticity and a Half-Space Problem. International Journal of Thermophysics, 2011, 32, 1271-1295.	1.0	60
17	A problem in generalized magneto-thermoelasticity for an infinitely long annular cylinder. Journal of Engineering Mathematics, 1998, 34, 387-402.	0.6	54
18	A Thick Plate Problem in the Theory of Generalized Thermoelastic Diffusion. International Journal of Thermophysics, 2009, 30, 2044-2057.	1.0	53

#	ARTICLE	IF	CITATIONS
19	SOLUTION OF THE GENERALIZED PROBLEM OF THERMOELASTICITY IN THE FORM OF SERIES OF FUNCTIONS. Journal of Thermal Stresses, 1994, 17, 75-95.	1.1	52
20	A MODE-I CRACK PROBLEM FOR AN INFINITE SPACE IN GENERALIZED THERMOELASTICITY. Journal of Thermal Stresses, 2005, 28, 465-484.	1.1	50
21	A Mathematical Model for Short-Time Filtration in Poroelastic Media with Thermal Relaxation and Two Temperatures. Transport in Porous Media, 2012, 91, 199-223.	1.2	50
22	State space approach to thermoelasticity with two relaxation times. International Journal of Engineering Science, 1993, 31, 1177-1189.	2.7	47
23	GENERALIZED TWO-DIMENSIONAL THERMOELASTIC PROBLEMS IN SPHERICAL REGIONS UNDER AXISYMMETRIC DISTRIBUTIONS. Journal of Thermal Stresses, 1996, 19, 55-76.	1.1	44
24	Boundary integral equation formulation of generalized thermoelasticity in a Laplace-transform domain. Applied Mathematical Modelling, 1988, 12, 161-166.	2.2	42
25	Stochastic thermal shock problem in generalized thermoelasticity. Applied Mathematical Modelling, 2013, 37, 762-775.	2.2	42
26	Application of fractional order theory of thermoelasticity to a 1D problem for a half-space. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2014, 94, 509-515.	0.9	41
27	GENERALIZED THERMOELASTIC PROBLEM FOR AN INFINITELY LONG HOLLOW CYLINDER FOR SHORT TIMES. Journal of Thermal Stresses, 2004, 27, 885-902.	1.1	40
28	A problem in generalized thermoelasticity for an infinitely long annular cylinder. International Journal of Engineering Science, 1988, 26, 301-306.	2.7	39
29	TWO-DIMENSIONAL GENERALIZED THERMOELASTICITY PROBLEM FOR AN INFINITELY LONG CYLINDER. Journal of Thermal Stresses, 1994, 17, 213-227.	1.1	36
30	A two-dimensional thermoelasticity problem for a half space subjected to heat sources. International Journal of Solids and Structures, 1999, 36, 1369-1382.	1.3	36
31	Problem in electromagneto thermoelasticity for an infinitely long solid conducting circular cylinder with thermal relaxation. International Journal of Engineering Science, 1994, 32, 1137-1149.	2.7	35
32	A one-dimensional fractional order thermoelastic problem for a spherical cavity. Mathematics and Mechanics of Solids, 2015, 20, 512-521.	1.5	35
33	A problem for an infinite thermoelastic body with a spherical cavity. International Journal of Engineering Science, 1998, 36, 473-487.	2.7	34
34	STATE-SPACE APPROACH TO TWO-DIMENSIONAL GENERALIZED THERMOELASTICITY PROBLEMS. Journal of Thermal Stresses, 1994, 17, 567-590.	1.1	33
35	SHORT TIME SOLUTION FOR A PROBLEM IN MAGNETOTHERMOELASTICITY WITH THERMAL RELAXATION. Journal of Thermal Stresses, 2004, 27, 537-559.	1.1	32
36	Fractional order theory of thermo-viscoelasticity and application. Mechanics of Time-Dependent Materials, 2020, 24, 179-195.	2.3	32

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37	A thermo-mechanical shock problem for thermoelasticity with two relaxation times. International Journal of Engineering Science, 1994, 32, 313-325.	2.7	31
38	Modeling of variable thermal conductivity in a generalized thermoelastic infinitely long hollow cylinder. Meccanica, 2016, 51, 551-558.	1.2	30
39	A problem in generalized thermoelasticity for an infinitely long annular cylinder composed of two different materials. Acta Mechanica, 1989, 80, 137-149.	1.1	24
40	Galerkin representations and fundamental solutions for an axisymmetric microstretch fluid flow. Journal of Fluid Mechanics, 2009, 619, 277-293.	1.4	23
41	2D problem for a half-space in the generalized theory of thermo-viscoelasticity. Mechanics of Time-Dependent Materials, 2015, 19, 557-568.	2.3	23
42	Fundamental solution for a line source of heat in the fractional order theory of thermoelasticity using the new Caputo definition. Journal of Thermal Stresses, 2019, 42, 18-28.	1.1	22
43	Fundamental solution for thermoelasticity with two relaxation times. International Journal of Engineering Science, 1992, 30, 861-870.	2.7	21
44	Forced gravity waves in two-layered fluids with the upper fluid having a free surface. Canadian Journal of Physics, 2003, 81, 675-689.	0.4	21
45	Application of fractional order theory of thermoelasticity to a 2D problem for a half-space. Applied Mathematics and Computation, 2014, 248, 584-592.	1.4	20
46	Parallel and perpendicular flows of a micropolar fluid between slip cylinder and coaxial fictitious cylindrical shell in cell models. European Physical Journal Plus, 2014, 129, 1.	1.2	20
47	The effect of fractional thermoelasticity on two-dimensional problems in spherical regions under axisymmetric distributions. Journal of Thermal Stresses, 2020, 43, 440-455.	1.1	20
48	Application of fractional order theory of thermoelasticity to a 1D problem for a spherical shell. Journal of Theoretical and Applied Mechanics, 0, , 295.	0.2	18
49	BOUNDARY INTEGRAL EQUATION FORMULATION FOR THERMOELASTICITY WITH TWO RELAXATION TIMES. Journal of Thermal Stresses, 1994, 17, 257-270.	1.1	16
50	Stokes flow between two confocal rotating spheroids with slip. Archive of Applied Mechanics, 2012, 82, 937-948.	1.2	16
51	Axi-symmetric translational motion of an arbitrary solid prolate body in a micropolar fluid. Fluid Dynamics Research, 2010, 42, 065504.	0.6	15
52	Exact solution for the unsteady flow of a semi-infinite micropolar fluid. Acta Mechanica Sinica/Lixue Xuebao, 2011, 27, 354-359.	1.5	15
53	Slow motion of a sphere moving normal to two infinite parallel plane walls in a micropolar fluid. Mathematical and Computer Modelling, 2011, 53, 376-386.	2.0	15
54	Propagation of discontinuities in electromagneto generalized thermoelasticity in cylindrical regions. Meccanica, 2013, 48, 2511-2523.	1.2	15

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55	Effect of body forces on a 2D generalized thermoelastic long cylinder. <i>Computers and Mathematics With Applications</i> , 2013, 66, 1181-1191.	1.4	15
56	A general formula for the drag on a solid of revolution body at low Reynolds numbers in a microstretch fluid. <i>Meccanica</i> , 2017, 52, 2655-2664.	1.2	15
57	TWO-DIMENSIONAL PROBLEM OF A MOVING HEATED PUNCH IN GENERALIZED THERMOELASTICITY. <i>Journal of Thermal Stresses</i> , 1986, 9, 325-343.	1.1	14
58	A PROBLEM IN GENERALIZED THERMOELASTICITY FOR AN INFINITELY LONG ANNULAR CYLINDER COMPOSED OF TWO DIFFERENT MATERIALS. <i>Journal of Thermal Stresses</i> , 1989, 12, 529-543.	1.1	14
59	GENERALIZED THERMOELASTICITY PROBLEM FOR A PLATE SUBJECTED TO MOVING HEAT SOURCES ON BOTH SIDES. <i>Journal of Thermal Stresses</i> , 1992, 15, 489-505.	1.1	14
60	A problem of a viscoelastic magnetohydrodynamic fluctuating-boundary-layer flow past an infinite porous plate. <i>Canadian Journal of Physics</i> , 1993, 71, 97-105.	0.4	14
61	Axisymmetric gravity waves in two-layered fluids with the upper fluid having a free surface. <i>Wave Motion</i> , 2004, 40, 143-161.	1.0	14
62	Stokes flow of a micropolar fluid past an assemblage of spheroidal particle-in-cell models with slip. <i>Physica Scripta</i> , 2015, 90, 055203.	1.2	14
63	Fundamental solution of thermoelasticity with two relaxation times for an infinite spherically symmetric space. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2017, 68, 1.	0.7	14
64	Motion of a slip spherical particle near a planar micropolar-viscous interface. <i>European Journal of Mechanics, B/Fluids</i> , 2021, 89, 274-288.	1.2	13
65	Modeling of Variable Lam <sup>∞</sup> 's Modulii for a FGM Generalized Thermoelastic Half Space. <i>Latin American Journal of Solids and Structures</i> , 2016, 13, 715-730.	0.6	12
66	Stokes resistance of a porous spherical particle in a spherical cavity. <i>Acta Mechanica</i> , 2016, 227, 1075-1093.	1.1	12
67	Contour integration solution for a thermoelastic problem of a spherical cavity. <i>Applied Mathematics and Computation</i> , 2018, 320, 557-571.	1.4	12
68	Transient electrophoresis of a conducting spherical particle embedded in an electrolyte <sup>∞</sup> -saturated Brinkman medium. <i>Electrophoresis</i> , 2021, 42, 1636-1647.	1.3	12
69	Periodic orbits of galactic motion. <i>Astrophysics and Space Science</i> , 1990, 167, 305-315.	0.5	11
70	Two-dimensional Problems for Thermoelasticity, with Two Relaxation Times in Spherical Regions under Axisymmetric Distributions. <i>International Journal of Engineering Science</i> , 1999, 37, 299-314.	2.7	11
71	Slow motion of a slip spherical particle along the axis of a circular cylindrical pore in a micropolar fluid. <i>Journal of Molecular Liquids</i> , 2014, 200, 273-282.	2.3	11
72	Thermoelastic interactions without energy dissipation in an unbounded body with a cylindrical cavity. <i>Journal of Thermal Stresses</i> , 2016, 39, 326-332.	1.1	11

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73	Two-dimensional problem for a half-space with axi-symmetric distribution in the theory of generalized thermoelastic diffusion. <i>Mechanics of Advanced Materials and Structures</i> , 2016, 23, 216-222.	1.5	11
74	Electro-magneto interaction in a two-dimensional generalized thermoelastic solid cylinder. <i>Acta Mechanica</i> , 2017, 228, 2041-2062.	1.1	11
75	Interaction of two spherical particles rotating in a micropolar fluid. <i>Mathematical and Computer Modelling</i> , 2012, 56, 229-239.	2.0	9
76	Two-dimensional problem for a thick plate with axi-symmetric distribution in the theory of generalized thermoelastic diffusion. <i>Mathematics and Mechanics of Solids</i> , 2016, 21, 413-425.	1.5	9
77	New fractional order model of thermoporoelastic theory for a porous infinitely long cylinder saturated with fluid. <i>Waves in Random and Complex Media</i> , 0, , 1-30.	1.6	9
78	A SHORT TIME SOLUTION FOR A PROBLEM IN THERMOELASTICITY OF AN INFINITE MEDIUM WITH A SPHERICAL CAVITY. <i>Journal of Thermal Stresses</i> , 1998, 21, 811-828.	1.1	8
79	2D Problem for a Long Cylinder in the Fractional Theory of Thermoelasticity. <i>Latin American Journal of Solids and Structures</i> , 2016, 13, 1596-1613.	0.6	8
80	Stochastic thermal shock problem and study of wave propagation in the theory of generalized thermoelastic diffusion. <i>Mathematics and Mechanics of Solids</i> , 2017, 22, 1767-1789.	1.5	8
81	2D hereditary thermoelastic application of a thick plate under axisymmetric temperature distribution. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 1080-1092.	1.2	8
82	Fundamental solutions for axi-symmetric translational motion of a microstretch fluid. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2012, 28, 605-611.	1.5	7
83	A 2D problem of thermoelasticity without energy dissipation for a sphere subjected to axisymmetric temperature distribution. <i>Journal of Thermal Stresses</i> , 2017, 40, 1461-1470.	1.1	7
84	Torque on a slip sphere rotating in a semi-infinite micropolar fluid. <i>Meccanica</i> , 2018, 53, 2319-2331.	1.2	7
85	Slow motion of a slightly deformed spherical droplet in a microstretch fluid. <i>Microsystem Technologies</i> , 2018, 24, 3245-3259.	1.2	7
86	Two-dimensional axisymmetric thermoelastic problem for an infinite-space with a cylindrical heat source of a different material under Green-Lindsay theory. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 3404-3416.	3.4	7
87	Wave propagation study for axi-symmetric 2D problems of a generalized thermo-visco-elastic half space. <i>Journal of Thermal Stresses</i> , 2019, 42, 835-848.	1.1	6
88	Exact solution of a 2D problem of thermoelasticity without energy dissipation for an infinitely long cylinder. <i>Mathematics and Mechanics of Solids</i> , 0, , 108128652110036.	1.5	6
89	Exact solution for the slow motion of a spherical particle in the presence of an interface with slip regime. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	6
90	State space approach to two-dimensional generalized micropolar thermoelasticity. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2015, 66, 1249-1265.	0.7	5

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91	A thermoelastic spherical shell with and without energy dissipation. Journal of Thermal Stresses, 2016, 39, 1277-1282.	1.1	4
92	Force on a spherical particle oscillating in a viscous fluid perpendicular to an impermeable planar wall. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	4
93	Study of wave propagation in a half-space in the fractional-order theory of thermoelasticity using the new Caputo definition. Mathematics and Mechanics of Solids, 2019, 24, 2083-2095.	1.5	4
94	Darcy-Brinkman Micropolar Fluid Flow through Corrugated Micro-Tube with Stationary Random Model. Colloid Journal, 2020, 82, 604-616.	0.5	4
95	Effect of a general body force on a 2D generalized thermoelastic body with a cylindrical cavity. Mathematical Methods in the Applied Sciences, 2021, 44, 9933-9943.	1.2	2
96	Generalized three-dimensional thermoelastic treatment in spherical regions. Journal of Thermal Stresses, 2022, 45, 437-448.	1.1	2
97	On the galactic motion. Celestial Mechanics and Dynamical Astronomy, 1990, 49, 233-247.	0.5	1
98	2D Axisymmetric Problem for a Sphere with Heat Sources in the Theory of Generalized Thermoviscoelasticity. International Journal of Applied Mechanics, 2017, 09, 1750028.	1.3	1
99	Effect of a 2D axisymmetric cylindrical heat source on a thermoelastic thick plate. Mathematical Methods in the Applied Sciences, 2021, 44, 6763-6773.	1.2	1
100	A problem in fractional order thermoelasticity theory for an infinitely long cylinder composed of 3 layers of different materials. Journal of Thermal Stresses, 0, , 1-11.	1.1	0
101	2D long generalized thermoelastic cylinder with realistic thermal conductivity. Waves in Random and Complex Media, 0, , 1-11.	1.6	0