

Moncef Aouadi

List of Publications by Year in descending order

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93
papers

1,321
citations

471061

17
h-index

454577

30
g-index

94
all docs

94
docs citations

94
times ranked

320
citing authors

#	ARTICLE	IF	CITATIONS
1	A problem for an infinite elastic body with a spherical cavity in the theory of generalized thermoelastic diffusion. <i>International Journal of Solids and Structures</i> , 2007, 44, 5711-5722.	1.3	107
2	Generalized Theory of Thermoelastic Diffusion for Anisotropic Media. <i>Journal of Thermal Stresses</i> , 2008, 31, 270-285.	1.1	93
3	Generalized thermo-piezoelectric problems with temperature-dependent properties. <i>International Journal of Solids and Structures</i> , 2006, 43, 6347-6358.	1.3	78
4	Uniqueness and Reciprocity Theorems in the Theory of Generalized Thermoelastic Diffusion. <i>Journal of Thermal Stresses</i> , 2007, 30, 665-678.	1.1	75
5	A generalized thermoelastic diffusion problem for an infinitely long solid cylinder. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2006, 2006, 1-15.	0.3	67
6	Variable electrical and thermal conductivity in the theory of generalized thermoelastic diffusion. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2006, 57, 350-366.	0.7	57
7	A theory of thermoelastic diffusion materials with voids. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2010, 61, 357-379.	0.7	54
8	Theory of Generalized Micropolar Thermoelastic Diffusion Under Lord's Shulman Model. <i>Journal of Thermal Stresses</i> , 2009, 32, 923-942.	1.1	39
9	Some Theorems in the Isotropic Theory of Microstretch Thermoelasticity with Microtemperatures. <i>Journal of Thermal Stresses</i> , 2008, 31, 649-662.	1.1	37
10	A theory of thermoelasticity with diffusion under Green-Naghdi models. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2014, 94, 837-852.	0.9	29
11	The coupled theory of micropolar thermoelastic diffusion. <i>Acta Mechanica</i> , 2009, 208, 181-203.	1.1	22
12	On thermoelastic diffusion thin plate theory. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2015, 36, 619-632.	1.9	22
13	A thermoelastic diffusion theory with microtemperatures and microconcentrations. <i>Journal of Thermal Stresses</i> , 2017, 40, 486-501.	1.1	22
14	Numerical study for micropolar flow over a stretching sheet. <i>Computational Materials Science</i> , 2007, 38, 774-780.	1.4	21
15	Hybrid Laplace transform-finite element method to a generalized electromagneto-thermoelastic problem. <i>Applied Mathematical Modelling</i> , 2007, 31, 712-726.	2.2	20
16	Qualitative Aspects in the Coupled Theory of Thermoelastic Diffusion. <i>Journal of Thermal Stresses</i> , 2008, 31, 706-727.	1.1	18
17	Quasi-stability and global attractor in nonlinear thermoelastic diffusion plate with memory. <i>Evolution Equations and Control Theory</i> , 2015, 4, 241-263.	0.7	18
18	Existence, stability and numerical results for a Timoshenko beam with thermodiffusion effects. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2019, 70, 1.	0.7	17

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19	Smooth attractor for a nonlinear thermoelastic diffusion thin plate based on Gurtinâ€™Pipkinâ€™s model. <i>Asymptotic Analysis</i> , 2015, 95, 129-160.	0.2	16
20	Thermoelastic theory with microtemperatures and dissipative thermodynamics. <i>Journal of Thermal Stresses</i> , 2018, 41, 522-542.	1.1	16
21	Temperature dependence of an elastic modulus in generalized linear micropolar thermoelasticity. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2006, 57, 1057-1074.	0.7	14
22	Some theorems in the generalized theory of thermo-magneto-electroelasticity under Greenâ€™Lindsayâ€™s model. <i>Acta Mechanica</i> , 2008, 200, 25-43.	1.1	13
23	Exponential decay in thermoelastic materials with voids and dissipative boundary without thermal dissipation. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2012, 63, 961-973.	0.7	13
24	Analytical and numerical results for a dynamic contact problem with two stops in thermoelastic diffusion theory. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2016, 96, 361-384.	0.9	13
25	On the coupled theory of thermo-magneto-electroelasticity. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 2007, 60, 443-456.	0.5	12
26	Aspects of Uniqueness in Micropolar Piezoelectric Bodies. <i>Mathematics and Mechanics of Solids</i> , 2008, 13, 499-512.	1.5	11
27	Spatial Stability for the Quasi-Static Problem in Thermoelastic Diffusion Theory. <i>Acta Applicandae Mathematicae</i> , 2009, 106, 307-323.	0.5	11
28	Qualitative Results in the Theory of Thermoelastic Diffusion Mixtures. <i>Journal of Thermal Stresses</i> , 2010, 33, 595-615.	1.1	11
29	Stability in thermoelastic diffusion theory with voids. <i>Applicable Analysis</i> , 2012, 91, 121-139.	0.6	11
30	Uniqueness and existence theorems in thermoelasticity with voids without energy dissipation. <i>Journal of the Franklin Institute</i> , 2012, 349, 128-139.	1.9	11
31	Stability aspects in strain gradient theory of thermoelasticity with mass diffusion. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2018, 98, 1794-1812.	0.9	11
32	Asymptotic behavior in Form II Mindlinâ€™s strain gradient theory for porous thermoelastic diffusion materials. <i>Journal of Thermal Stresses</i> , 2020, 43, 191-209.	1.1	11
33	Global and exponential attractors for extensible thermoelastic plate with time-varying delay. <i>Journal of Differential Equations</i> , 2020, 269, 4079-4115.	1.1	11
34	A new stabilization scenario for Timoshenko systems with thermo-diffusion effects in second spectrum perspective. <i>Archiv Der Mathematik</i> , 2021, 116, 203-219.	0.3	11
35	Electromagneto-thermoelastic fundamental solutions in a two-dimensional problem for short time. <i>Acta Mechanica</i> , 2005, 174, 223-240.	1.1	10
36	A contact problem of a thermoelastic diffusion rod. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2010, 90, 278-286.	0.9	10

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37	Polynomial and exponential stability for one-dimensional problem in thermoelastic diffusion theory. <i>Applicable Analysis</i> , 2010, 89, 935-948.	0.6	10
38	On uniform decay of a nonsimple thermoelastic bar with memory. <i>Journal of Mathematical Analysis and Applications</i> , 2013, 402, 745-757.	0.5	10
39	Stability aspects in a nonsimple thermoelastic diffusion problem. <i>Applicable Analysis</i> , 2013, 92, 1816-1828.	0.6	10
40	A porous thermoelastic diffusion theory of types II and III. <i>Acta Mechanica</i> , 2017, 228, 931-949.	1.1	10
41	Boundary Stabilization of a Thermoelastic Diffusion System of Type II. <i>Acta Applicandae Mathematicae</i> , 2020, 169, 499-522.	0.5	10
42	Exponential stability in Mindlin's Form II gradient thermoelasticity with microtemperatures of type III. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20200459.	1.0	10
43	Regularity and upper semicontinuity of pullback attractors for non-autonomous Rao's Nakra beam. <i>Nonlinearity</i> , 2022, 35, 1773-1809.	0.6	10
44	A quasi-static contact problem in thermoviscoelastic diffusion theory. <i>Applied Numerical Mathematics</i> , 2016, 109, 157-183.	1.2	9
45	Analytical aspects in strain gradient theory for chiral Cosserat thermoelastic materials within three Green-Naghdi models. <i>Journal of Thermal Stresses</i> , 2019, 42, 681-697.	1.1	9
46	The relaxation effects of volume properties in two-dimensional generalized thermoviscoelastic problem. <i>Applied Mathematics and Computation</i> , 2004, 151, 689-711.	1.4	8
47	Generalized Three-Dimensional Heat Source Problem for Small Time. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2006, 7, 59-67.	1.4	8
48	A bending theory of thermoelastic diffusion plates based on Green-Naghdi theory. <i>European Journal of Mechanics, A/Solids</i> , 2017, 65, 123-135.	2.1	8
49	A contact problem in thermoviscoelastic diffusion theory with second sound. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2017, 51, 759-796.	0.8	8
50	A dynamic contact problem for a thermoelastic diffusion beam with the rotational inertia. <i>Applied Numerical Mathematics</i> , 2018, 126, 113-137.	1.2	8
51	Properties of global and exponential attractors for nonlinear thermo-diffusion Timoshenko system. <i>Journal of Mathematical Physics</i> , 2019, 60, .	0.5	8
52	Classic and Generalized Thermoelastic Diffusion Theories. , 2014, , 567-575.		8
53	Discontinuities in an axisymmetric generalized thermoelastic problem. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2005, 2005, 1015-1029.	0.3	7
54	Generalized Thermoelastic-Piezoelectric Problem by Hybrid Laplace Transform-Finite Element Method. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2007, 8, 137-147.	1.4	7

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55	Energy decay in thermoelastic diffusion theory with second sound and dissipative boundary. <i>Meccanica</i> , 2013, 48, 2159-2171.	1.2	7
56	Well-posedness and exponential stability in binary mixtures theory for thermoviscoelastic diffusion materials. <i>Journal of Thermal Stresses</i> , 2018, 41, 1414-1431.	1.1	7
57	Analysis of a multidimensional thermoviscoelastic contact problem under the Green-Lindsay theory. <i>Journal of Computational and Applied Mathematics</i> , 2019, 345, 224-246.	1.1	7
58	Asymptotic analysis of a nonsimple thermoelastic rod. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2016, 9, 1475-1492.	0.6	7
59	Exponential Stability in Hyperbolic Thermoelastic Diffusion Problem with Second Sound. <i>International Journal of Differential Equations</i> , 2011, 2011, 1-21.	0.3	6
60	Decay of the timoshenko beam with thermal effect and memory boundary conditions. <i>Journal of Dynamical and Control Systems</i> , 2013, 19, 33-46.	0.4	6
61	Asymptotic behavior of nonuniform Timoshenko beam acting on shear force with feedback controller. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2017, 97, 1579-1599.	0.9	6
62	Global existence and numerical simulations for a thermoelastic diffusion problem in moving boundary. <i>Mathematics and Computers in Simulation</i> , 2019, 166, 410-431.	2.4	6
63	Analyticity of solutions to thermoviscoelastic diffusion mixtures problem in higher dimension. <i>Acta Mechanica</i> , 2020, 231, 1125-1140.	1.1	6
64	Numerical analysis for a thermoelastic diffusion problem in moving boundary. <i>Mathematics and Computers in Simulation</i> , 2021, 187, 630-655.	2.4	6
65	PLANE WAVES IN GENERALIZED THERMOVISCOELASTIC MATERIAL WITH RELAXATION TIME AND TEMPERATURE-DEPENDENT PROPERTIES. <i>Journal of Thermal Stresses</i> , 2003, 26, 197-222.	1.1	5
66	Thermomechanical Interactions in a Generalized Thermo-Microstretch Elastic Half Space. <i>Journal of Thermal Stresses</i> , 2006, 29, 511-528.	1.1	5
67	Analysis of a contact problem in thermoviscoelasticity under the Green-Lindsay model. <i>Applied Numerical Mathematics</i> , 2015, 91, 60-74.	1.2	5
68	Optimal Decay Rate for Unidimensional Thermoelastic Problem within the Green-Lindsay Model. <i>Journal of Thermal Stresses</i> , 2015, 38, 1199-1216.	1.1	5
69	Quasi-stability and upper semicontinuity for coupled parabolic equations with memory. <i>Studies in Applied Mathematics</i> , 2020, 145, 586-621.	1.1	5
70	Exponential stability and numerical analysis of a thermoelastic diffusion beam with rotational inertia and second sound. <i>Mathematics and Computers in Simulation</i> , 2021, 187, 586-613.	2.4	5
71	Approximate controllability of abstract nonsimple thermoelastic problem. <i>Evolution Equations and Control Theory</i> , 2015, 4, 373-389.	0.7	5
72	Asymptotic behavior in nonlocal Mindlin's strain gradient thermoelasticity with voids and microtemperatures. <i>Journal of Mathematical Analysis and Applications</i> , 2022, 514, 126268.	0.5	5

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73	Exponential stability in the theory of thermoelastic diffusion mixtures. <i>Applicable Analysis</i> , 2012, 91, 2169-2187.	0.6	4
74	Decay of solutions in nonhomogeneous thermoelastic diffusion bars. <i>Applicable Analysis</i> , 2014, 93, 281-304.	0.6	4
75	Nonlinear theory for thermoelastic solids with mass diffusion. <i>European Journal of Mechanics, A/Solids</i> , 2018, 70, 267-279.	2.1	4
76	Long-time dynamics for nonlinear porous thermoelasticity with second sound and delay. <i>Journal of Mathematical Physics</i> , 2018, 59, .	0.5	4
77	Robustness of Global Attractors for Extensible Coupled Suspension Bridge Equations with Fractional Damping. <i>Applied Mathematics and Optimization</i> , 2021, 84, 403-435.	0.8	4
78	Eigenvalue Approach to Linear Micropolar Thermoelasticity Under Distributed Loading. <i>Journal of Thermal Stresses</i> , 2007, 30, 421-440.	1.1	3
79	Stability conditions for thermodiffusion Timoshenko system with second sound. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2021, 72, 1.	0.7	3
80	Micro-inertia effects on existence of attractors for Form II Mindlin's strain gradient viscoelastic plate. <i>Nonlinear Differential Equations and Applications</i> , 2021, 28, 1.	0.4	3
81	Partial exact controllability for inhomogeneous multidimensional thermoelastic diffusion problem. <i>Evolution Equations and Control Theory</i> , 2016, 5, 201-224.	0.7	3
82	Thermoelastic Diffusion Theory for Piezoelectric Materials. , 2018, , 1-12.		2
83	Mathematical and numerical analysis in thermoelastic gradient-dependent theory of plasticity. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2018, 98, 1603-1622.	0.9	2
84	Analyticity of solutions to thermoelastic-plastic flow problem with microtemperatures. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 0, , e202000346.	0.9	2
85	The controllability of a thermoelastic plate problem revisited. <i>Evolution Equations and Control Theory</i> , 2018, 7, 1-31.	0.7	2
86	Continuity of Global Attractors for a Suspension Bridge Equation. <i>Acta Applicandae Mathematicae</i> , 2021, 176, 1.	0.5	2
87	Well-posedness, lack of analyticity and exponential stability in nonlocal Mindlin's strain gradient porous elasticity. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2022, 73, 1.	0.7	2
88	Finite element and Chebyshev finite difference methods for micropolar flow past a stretching surface with heat and mass transfer. <i>International Journal of Computer Mathematics</i> , 2008, 85, 105-122.	1.0	1
89	Spectral analysis of thermoelastic systems under nonclassical thermal models. <i>Journal of Thermal Stresses</i> , 2017, 40, 3-24.	1.1	1
90	Decay and numerical results in nonsimple viscoelasticity. <i>Journal of Mathematical Physics</i> , 2021, 62, 032701.	0.5	1

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91	Exact observability and controllability for a nonsimple elastic rod. <i>Applicable Analysis</i> , 2019, 98, 1705-1723.	0.6	0
92	Approximate controllability of nonsimple elastic plate with memory. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2021, .	0.6	0
93	Spectral and numerical analysis for a thermoelastic problem with double porosity and second sound. <i>Asymptotic Analysis</i> , 2021, , 1-38.	0.2	0