

Jaime E E Munoz Rivera

List of Publications by Year in descending order

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142
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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Energy decay for Timoshenko systems of memory type. <i>Journal of Differential Equations</i> , 2003, 194, 82-115.	1.1	238
2	Mildly dissipative nonlinear Timoshenko systems—global existence and exponential stability. <i>Journal of Mathematical Analysis and Applications</i> , 2002, 276, 248-278.	0.5	210
3	Positive solutions for a nonlinear nonlocal elliptic transmission problem. <i>Applied Mathematics Letters</i> , 2003, 16, 243-248.	1.5	208
4	Global Attractors for a Semilinear Hyperbolic Equation in Viscoelasticity. <i>Journal of Mathematical Analysis and Applications</i> , 2001, 260, 83-99.	0.5	137
5	Asymptotic behaviour in linear viscoelasticity. <i>Quarterly of Applied Mathematics</i> , 1994, 52, 628-648.	0.5	131
6	Stability of Timoshenko systems with past history. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 339, 482-502.	0.5	128
7	The stability number of the Timoshenko system with second sound. <i>Journal of Differential Equations</i> , 2012, 253, 2715-2733.	1.1	121
8	Asymptotic behaviour of the energy in partially viscoelastic materials. <i>Quarterly of Applied Mathematics</i> , 2001, 59, 557-578.	0.5	108
9	On the time polynomial decay in elastic solids with voids. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 338, 1296-1309.	0.5	105
10	Asymptotic behavior of the energy for a class of weakly dissipative second-order systems with memory. <i>Journal of Mathematical Analysis and Applications</i> , 2003, 286, 692-704.	0.5	97
11	Rates of decay to weak thermoelastic Bresse system. <i>IMA Journal of Applied Mathematics</i> , 2010, 75, 881-904.	0.8	96
12	Smoothing Properties, Decay, and Global Existence of Solutions to Nonlinear Coupled Systems of Thermoelastic Type. <i>SIAM Journal on Mathematical Analysis</i> , 1995, 26, 1547-1563.	0.9	95
13	Timoshenko systems with indefinite damping. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 341, 1068-1083.	0.5	92
14	On the decay of solutions for porous-elastic systems with history. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 379, 682-705.	0.5	88
15	Stabilization in elastic solids with voids. <i>Journal of Mathematical Analysis and Applications</i> , 2009, 350, 37-49.	0.5	80
16	Stability to 1-D thermoelastic Timoshenko beam acting on shear force. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2014, 65, 1233-1249.	0.7	80
17	Decay rates of solutions of an anisotropic inhomogeneous n -dimensional viscoelastic equation with polynomially decaying kernels. <i>Communications in Mathematical Physics</i> , 1996, 177, 583-602.	1.0	71
18	Stability to weak dissipative Bresse system. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 374, 481-498.	0.5	70

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19	Exponential decay of non-linear wave equation with a viscoelastic boundary condition. <i>Mathematical Methods in the Applied Sciences</i> , 2000, 23, 41-61.	1.2	55
20	The Transmission Problem of Viscoelastic Waves. <i>Acta Applicandae Mathematicae</i> , 2000, 62, 1-21.	0.5	55
21	Stability to weakly dissipative Timoshenko systems. <i>Mathematical Methods in the Applied Sciences</i> , 2013, 36, 1965-1976.	1.2	54
22	Large Solutions and Smoothing Properties for Nonlinear Thermoelastic Systems. <i>Journal of Differential Equations</i> , 1996, 127, 454-483.	1.1	52
23	Energy decay for hyperbolic thermoelastic systems of memory type. <i>Quarterly of Applied Mathematics</i> , 2001, 59, 441-458.	0.5	52
24	Asymptotic stability of semigroups associated with linear weak dissipative systems with memory. <i>Journal of Mathematical Analysis and Applications</i> , 2007, 326, 691-707.	0.5	51
25	Asymptotic behaviour and exponential stability for a transmission problem in thermoelasticity. <i>Mathematical Methods in the Applied Sciences</i> , 2002, 25, 955-980.	1.2	45
26	Decay rates of solutions to a von Kármán system for viscoelastic plates with memory. <i>Quarterly of Applied Mathematics</i> , 1999, 57, 181-200.	0.5	43
27	Exponential Stability to a Contact Problem of Partially Viscoelastic Materials. <i>Journal of Elasticity</i> , 2001, 63, 87-111.	0.9	42
28	Exponential decay in a thermoelastic mixture of solids. <i>International Journal of Solids and Structures</i> , 2009, 46, 1659-1666.	1.3	42
29	The asymptotic behavior of the linear transmission problem in viscoelasticity. <i>Mathematische Nachrichten</i> , 2014, 287, 483-497.	0.4	39
30	Asymptotic stability and global existence in thermoelasticity with symmetry. <i>Quarterly of Applied Mathematics</i> , 1998, 56, 259-275.	0.5	37
31	Polynomial decay for the energy with an acoustic boundary condition. <i>Applied Mathematics Letters</i> , 2003, 16, 249-256.	1.5	36
32	Asymptotic behaviour of the energy for electromagnetic systems with memory. <i>Mathematical Methods in the Applied Sciences</i> , 2004, 27, 819-841.	1.2	36
33	Bresse system with indefinite damping. <i>Journal of Mathematical Analysis and Applications</i> , 2012, 387, 284-290.	0.5	34
34	Asymptotic behavior to a von Kármán plate with boundary memory conditions. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2005, 62, 1183-1205.	0.6	33
35	Transmission problem in thermoelasticity with symmetry. <i>IMA Journal of Applied Mathematics</i> , 2003, 68, 23-46.	0.8	32
36	Analyticity in porous-thermoelasticity with microtemperatures. <i>Journal of Mathematical Analysis and Applications</i> , 2012, 394, 645-655.	0.5	32

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37	Decay property for second order hyperbolic systems of viscoelastic materials. Journal of Mathematical Analysis and Applications, 2010, 366, 621-635.	0.5	31
38	Existence and exponential decay in nonlinear thermoelasticity. Nonlinear Analysis: Theory, Methods & Applications, 1998, 31, 149-162.	0.6	30
39	Exponential stability in thermoviscoelastic mixtures of solids. International Journal of Solids and Structures, 2009, 46, 4151-4162.	1.3	30
40	The Lack of Exponential Stability in Certain Transmission Problems with Localized Kelvin–Voigt Dissipation. SIAM Journal on Applied Mathematics, 2014, 74, 345-365.	0.8	30
41	On the energy decay of the linear thermoelastic plate with memory. Journal of Mathematical Analysis and Applications, 2005, 309, 1-14.	0.5	29
42	Multidimensional Contact Problems in Thermoelasticity. SIAM Journal on Applied Mathematics, 1998, 58, 1307-1337.	0.8	28
43	Smoothing Effect and Propagations of Singularities for Viscoelastic Plates. Journal of Mathematical Analysis and Applications, 1997, 206, 397-427.	0.5	27
44	Optimal rates of decay in 2-d thermoelasticity with second sound. Journal of Mathematical Physics, 2012, 53, .	0.5	27
45	TRANSMISSION PROBLEM FOR HYPERBOLIC THERMOELASTIC SYSTEMS. Journal of Thermal Stresses, 2003, 26, 739-763.	1.1	26
46	Uniform stabilization for the transmission problem of the Timoshenko system with memory. Journal of Mathematical Analysis and Applications, 2010, 369, 323-345.	0.5	26
47	THE TRANSMISSION PROBLEM FOR THERMOELASTIC BEAMS. Journal of Thermal Stresses, 2001, 24, 1137-1158.	1.1	24
48	Universal attractors for a nonlinear one-dimensional heat-conductive viscous real gas. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2002, 132, 685-709.	0.8	24
49	Decay of solutions in nonsimple thermoelastic bars. International Journal of Engineering Science, 2010, 48, 1233-1241.	2.7	23
50	Exponential stability and universal attractors for the Navier–Stokes equations of compressible fluids between two horizontal parallel plates in. Applied Numerical Mathematics, 2003, 47, 209-235.	1.2	22
51	Rates of decay to non homogeneous Timoshenko model with tip body. Journal of Differential Equations, 2015, 258, 3468-3490.	1.1	22
52	On a Class of Nonlinear Viscoelastic Kirchhoff Plates: Well-Posedness and General Decay Rates. Applied Mathematics and Optimization, 2016, 73, 165-194.	0.8	22
53	Global existence and exponential stability in one-dimensional nonlinear thermoelasticity with thermal memory. Nonlinear Analysis: Theory, Methods & Applications, 2002, 51, 11-32.	0.6	21
54	Asymptotic behaviour for the vibrations modeled by the standard linear solid model with a thermal effect. Journal of Mathematical Analysis and Applications, 2013, 399, 472-479.	0.5	21

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55	Non-Homogeneous Thermoelastic Timoshenko Systems. Bulletin of the Brazilian Mathematical Society, 2017, 48, 461-484.	0.3	21
56	The Thermoelastic and Viscoelastic Contact of Two Rods. Journal of Mathematical Analysis and Applications, 1998, 217, 423-458.	0.5	20
57	Polynomial stability in two-dimensional magneto-elasticity. IMA Journal of Applied Mathematics, 2001, 66, 269-283.	0.8	20
58	Energy decay to Timoshenko's system with thermoelasticity of type III. Asymptotic Analysis, 2014, 86, 227-247.	0.2	20
59	Lack of exponential stability to Timoshenko system with viscoelastic Kelvin-Voigt type. Zeitschrift Fur Angewandte Mathematik Und Physik, 2016, 67, 1.	0.7	20
60	Stability for a Transmission Problem in Thermoelasticity with Second Sound. Journal of Thermal Stresses, 2008, 31, 1170-1189.	1.1	19
61	Analyticity of Semigroups Associated with Thermoviscoelastic Mixtures of Solids. Journal of Thermal Stresses, 2009, 32, 986-1004.	1.1	19
62	Decomposition of the Displacement Vector Field and Decay Rates in Linear Thermoelasticity. SIAM Journal on Mathematical Analysis, 1993, 24, 390-406.	0.9	18
63	Existence and uniform rates of decay of constant problems in viscoelasticity. Applicable Analysis, 1997, 67, 175-199.	0.6	18
64	The Contact Problem in Thermoviscoelastic Materials. Journal of Mathematical Analysis and Applications, 2001, 264, 522-545.	0.5	18
65	A transmission problem for thermoelastic plates. Quarterly of Applied Mathematics, 2004, 62, 273-293.	0.5	18
66	Global existence and exponential stability for a contact problem between two thermoelastic beams. Journal of Mathematical Analysis and Applications, 2008, 345, 186-202.	0.5	18
67	Decay of solutions for a mixture of thermoelastic one dimensional solids. Computers and Mathematics With Applications, 2013, 66, 41-55.	1.4	18
68	Invariance of decay rate with respect to boundary conditions in thermoelastic Timoshenko systems. Zeitschrift Fur Angewandte Mathematik Und Physik, 2016, 67, 1.	0.7	18
69	Asymptotic behaviour in inhomogeneous linear thermoelasticity. Applicable Analysis, 1994, 53, 55-65.	0.6	17
70	Blow-up of solutions to the Cauchy problem in nonlinear one-dimensional thermoelasticity. Journal of Mathematical Analysis and Applications, 2004, 292, 160-193.	0.5	17
71	Optimal energy decay rate for a class of weakly dissipative second-order systems with memory. Applied Mathematics Letters, 2010, 23, 743-746.	1.5	17
72	A Linear Thermoelastic Plate Equation with Dirichlet Boundary Condition. Mathematical Methods in the Applied Sciences, 1997, 20, 915-932.	1.2	16

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73	Exponential stability for a contact problem in thermoelasticity. IMA Journal of Applied Mathematics, 1997, 58, 71-82.	0.8	15
74	Global existence and decay for the semilinear thermoelastic contact problem. Journal of Differential Equations, 2002, 186, 52-68.	1.1	15
75	Global existence and exponential stability of solutions to thermoelastic equations of hyperbolic type. Journal of Elasticity, 2005, 75, 125-145.	0.9	15
76	On the Energy Decay for a Thermoelastic Contact Problem Involving Heat Transfer. Journal of Thermal Stresses, 2010, 33, 1049-1065.	1.1	14
77	Stability properties of an abstract system with applications to linear thermoelastic plates. Journal of Evolution Equations, 2013, 13, 777-794.	0.6	14
78	Asymptotic Behavior in Linear Thermoelasticity. Journal of Mathematical Analysis and Applications, 1999, 232, 138-165.	0.5	13
79	On the rate of decay in interacting continua with memory. Journal of Differential Equations, 2011, 251, 3583-3605.	1.1	13
80	Polynomial Stability to Three-Dimensional Magnetoelastic Waves. Acta Applicandae Mathematicae, 2003, 76, 265-281.	0.5	12
81	Asymptotic Behavior of a Mindlin-Timoshenko Plate with Viscoelastic Dissipation on the Boundary. Funkcialaj Ekvacioj, 2003, 46, 363-382.	0.2	11
82	Asymptotic stability of semigroups associated to linear weak dissipative systems. Mathematical and Computer Modelling, 2004, 40, 387-392.	2.0	11
83	Exponential stability for wave equations with non-dissipative damping. Nonlinear Analysis: Theory, Methods & Applications, 2008, 68, 2531-2551.	0.6	11
84	Mindlin-Timoshenko systems with Kelvin-Voigt: analyticity and optimal decay rates. Journal of Mathematical Analysis and Applications, 2014, 417, 164-179.	0.5	11
85	Decay of solutions for a mixture of thermoelastic solids with different temperatures. Computers and Mathematics With Applications, 2016, 71, 991-1009.	1.4	11
86	The lack of exponential stability of the hybrid Bresse system. Journal of Mathematical Analysis and Applications, 2016, 436, 1-15.	0.5	11
87	Stability to localized viscoelastic transmission problem. Communications in Partial Differential Equations, 2018, 43, 821-838.	1.0	11
88	Exponential Decay for a Thermoelastic Beam Between two Stops. Journal of Thermal Stresses, 2008, 31, 537-556.	1.1	10
89	About Asymptotic Behavior for a Transmission Problem in Hyperbolic Thermoelasticity. Acta Applicandae Mathematicae, 2007, 99, 1-27.	0.5	9
90	The transmission problem to thermoelastic plate of hyperbolic type. IMA Journal of Applied Mathematics, 2009, 74, 950-962.	0.8	9

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91	A contact problem for a thermoelastic Timoshenko beam. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 1969-1986.	0.7	9
92	About the stability to Timoshenko system with one boundary dissipation. Applied Mathematics Letters, 2018, 86, 111-118.	1.5	9
93	Uniform rates of decay in nonlinear viscoelasticity for polynomial decaying kernels. Applicable Analysis, 1996, 60, 97-133.	0.6	8
94	Global Solution and Regularizing Properties on a Class of Nonlinear Evolution Equation. Journal of Differential Equations, 1996, 128, 103-124.	1.1	8
95	Regularizing properties and propagations of singularities for thermoelastic plates. Mathematical Methods in the Applied Sciences, 1998, 21, 797-821.	1.2	8
96	Existence and exponential decay for contact problems in thermoelasticity. Applicable Analysis, 1999, 72, 253-273.	0.6	8
97	Existence and Decay to Contact Problems for Thermoviscoelastic Plates. Journal of Mathematical Analysis and Applications, 1999, 233, 56-76.	0.5	8
98	Asymptotic behavior of a thermoviscoelastic plate with memory effects. Asymptotic Analysis, 2009, 63, 55-84.	0.2	8
99	Stabilization of ternary mixtures with frictional dissipation. Asymptotic Analysis, 2014, 89, 235-262.	0.2	8
100	Energy change to insertion of inclusions associated with the Reissner-Mindlin plate bending model. International Journal of Solids and Structures, 2015, 59, 132-139.	1.3	8
101	Analyticity of transmission problem to thermoelastic plates. Quarterly of Applied Mathematics, 2011, 69, 1-13.	0.5	7
102	Stabilization of a system modeling temperature and porosity fields in a Kelvin-Voigt-type mixture. Acta Mechanica, 2011, 219, 145-167.	1.1	6
103	Exponential stability to localized type III thermoelasticity. Journal of Mathematical Analysis and Applications, 2018, 467, 379-397.	0.5	6
104	Stability of a Timoshenko System with Localized Kelvin-Voigt Dissipation. Applied Mathematics and Optimization, 2021, 84, 3547-3563.	0.8	6
105	Strain energy change to the insertion of inclusions associated to a thermo-mechanical semi-coupled system. International Journal of Solids and Structures, 2013, 50, 1303-1313.	1.3	5
106	Boundary stabilization of Bresse systems. Zeitschrift Fur Angewandte Mathematik Und Physik, 2019, 70, 1.	0.7	5
107	Optimal control theory for ambient pollution. International Journal of Control, 2010, 83, 2261-2275.	1.2	4
108	General decay to the full von Kármán system with memory. Nonlinear Analysis: Real World Applications, 2012, 13, 2633-2647.	0.9	4

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109	Stability criterion to explicit finite difference applied to the Bresse system. <i>Afrika Matematika</i> , 2015, 26, 761-778.	0.4	4
110	The lack of polynomial stability to mixtures with frictional dissipation. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 446, 1882-1897.	0.5	4
111	Stability of a thermoelastic mixture with second sound. <i>Mathematics and Mechanics of Solids</i> , 2019, 24, 1692-1706.	1.5	4
112	Gevrey Class of Locally Dissipative Euler-Bernoulli Beam Equation. <i>SIAM Journal on Control and Optimization</i> , 2021, 59, 2174-2194.	1.1	4
113	Laminated Timoshenko beams with interfacial slip and infinite memories. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 4408-4427.	1.2	4
114	Exact Controllability: Coefficient Depending on the Time. <i>SIAM Journal on Control and Optimization</i> , 1990, 28, 498-501.	1.1	3
115	GLOBAL SMOOTH SOLUTION AND UNIFORM RATE OF DECAY IN NONLINEAR VISCOELASTICITY. <i>Reviews in Mathematical Physics</i> , 1994, 06, 855-868.	0.7	3
116	Analyticity and Smoothing Effect for the Coupled System of Equations of Korteweg-de Vries Type with a Single Point Singularity. <i>Acta Applicandae Mathematicae</i> , 2011, 113, 75-100.	0.5	3
117	A Linear Thermoelastic Plate Equation with Dirichlet Boundary Condition. <i>Mathematical Methods in the Applied Sciences</i> , 1997, 20, 915-932.	1.2	3
118	Remarks on the existence and decay of the nonlinear beam equation. <i>International Journal of Mathematics and Mathematical Sciences</i> , 1994, 17, 409-412.	0.3	2
119	Existence and asymptotic behaviour in a class of nonlinear wave equations with thermal dissipation. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1994, 23, 1255-1272.	0.6	2
120	Uniform Rates of Decay in Anisotropic Thermo-Viscoelasticity. <i>Acta Applicandae Mathematicae</i> , 1998, 50, 207-224.	0.5	2
121	Large-Time Behaviour of Energy in Elasticity. <i>Journal of Elasticity</i> , 2002, 66, 171-184.	0.9	2
122	GAIN OF REGULARITY FOR A BENNEY-LIN EQUATION TYPE. <i>Quarterly Journal of Mathematics</i> , 2014, 65, 459-483.	0.3	2
123	Polynomial stabilization of magnetoelastic plates. <i>IMA Journal of Applied Mathematics</i> , 2014, 79, 241-253.	0.8	2
124	About analyticity for the coupled system of linear thermoviscoelastic equations. <i>Applied Mathematics and Computation</i> , 2015, 270, 943-952.	1.4	2
125	Polynomial stability of a magneto-thermoelastic Mindlin-Timoshenko plate model. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2018, 69, 1.	0.7	2
126	Asymptotic behaviour for a two-dimensional thermoelastic model. <i>Mathematical Methods in the Applied Sciences</i> , 2007, 30, 549-566.	1.2	1

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127	Transmission Problem in Thermoelasticity. <i>Boundary Value Problems</i> , 2011, 2011, 1-33.	0.3	1
128	Stabilization of mixture of two rigid solids modeling temperature and porosity. <i>Applied Mathematics Letters</i> , 2012, 25, 884-889.	1.5	1
129	On decay and analyticity in viscoelastic solids with voids by means of dissipative coupling. <i>Mathematics and Mechanics of Solids</i> , 2013, 18, 837-848.	1.5	1
130	Analyticity of hybrid systems arising in visco and thermo elastic structures. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 479, 643-657.	0.5	1
131	About the stability to Timoshenko system with pointwise dissipation. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2022, 15, 2289.	0.6	1
132	Gevrey class for locally thermoelastic beam equations. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2022, 73, .	0.7	1
133	Pointwise control: differentiability of the optimal cost function. , 1990, , .		0
134	Remarks on quasilinear evolutions equations. <i>International Journal of Mathematics and Mathematical Sciences</i> , 1991, 14, 731-736.	0.3	0
135	Remarks on the optimal control problem for a strongly non linear hyperbolic system. <i>Acta Mathematica Hungarica</i> , 1992, 59, 151-157.	0.3	0
136	Existence and decay of weak solutions for systems arising in thermodynamics. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1995, 24, 825-837.	0.6	0
137	Pollution's ambient problems and regularity of optimal cost function. <i>International Journal of Control</i> , 2009, 82, 1297-1312.	1.2	0
138	Transmission problems for Mindlin's Timoshenko plates: frictional versus viscous damping mechanisms. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2018, 69, 1.	0.7	0
139	Asymptotic to systems with memory and non-local initial data. <i>Reviews in Mathematical Physics</i> , 2020, 32, 2050014.	0.7	0
140	About partial boundary dissipation to Timoshenko system with delay. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 9805-9813.	1.2	0
141	An integration model for two different ethnic groups. <i>Evolution Equations and Control Theory</i> , 2014, 3, 277-286.	0.7	0
142	The lack of polynomial stability to mixtures with memory. <i>Boletim Da Sociedade Paranaense De Matematica</i> , 0, 40, 1-13.	0.4	0