Jaime E E Munoz Rivera

List of Publications by Year
in descending order

142 papers	4,116 citations	126858 33 h-index	138417 58 g-index
142 all docs	142 docs citations	142 times ranked	575 citing authors

#	Article	IF	Citations
1	About the stability to Timoshenko system with pointwise dissipation. Discrete and Continuous Dynamical Systems - Series S, 2022, 15, 2289.	0.6	1
2	Laminated Timoshenko beams with interfacial slip and infinite memories. Mathematical Methods in the Applied Sciences, 2022, 45, 4408-4427.	1.2	4
3	Gevrey class for locally thermoelastic beam equations. Zeitschrift Fur Angewandte Mathematik Und Physik, 2022, 73, .	0.7	1
4	Stability of a Timoshenko System with Localized Kelvinâ€“Voigt Dissipation. Applied Mathematics and Optimization, 2021, 84, 3547-3563.	0.8	6
5	Gevrey Class of Locally Dissipative Euler--Bernoulli Beam Equation. SIAM Journal on Control and Optimization, 2021, 59, 2174-2194.	1.1	4
6	Asymptotic to systems with memory and non-local initial data. Reviews in Mathematical Physics, 2020, 32, 2050014.	0.7	0
7	About partial boundary dissipation to Timoshenko system with delay. Mathematical Methods in the Applied Sciences, 2020, 43, 9805-9813.	1.2	0
8	Stability of a thermoelastic mixture with second sound. Mathematics and Mechanics of Solids, 2019, 24, 1692-1706.	1.5	4
9	Analyticity of hybrid systems arising in visco and thermo elastic structures. Journal of Mathematical Analysis and Applications, 2019, 479, 643-657.	0.5	1
10	Boundary stabilization of Bresse systems. Zeitschrift Fur Angewandte Mathematik Und Physik, 2019, 70, 1.	0.7	5
11	Polynomial stability of a magneto-thermoelastic Mindlinâ€“Timoshenko plate model. Zeitschrift Fur Angewandte Mathematik Und Physik, 2018, 69, 1.	0.7	2
12	Stability to localized viscoelastic transmission problem. Communications in Partial Differential Equations, 2018, 43, 821-838.	1.0	11
13	Transmission problems for Mindlinâ€“Timoshenko plates: frictional versus viscous damping mechanisms. Zeitschrift Fur Angewandte Mathematik Und Physik, 2018, 69, 1.	0.7	0
14	About the stability to Timoshenko system with one boundary dissipation. Applied Mathematics Letters, 2018, 86, 111-118.	1.5	9
15	Exponential stability to localized type III thermoelasticity. Journal of Mathematical Analysis and Applications, 2018, 467, 379-397.	0.5	6
16	Non-Homogeneous Thermoelastic Timoshenko Systems. Bulletin of the Brazilian Mathematical Society, 2017, 48, 461-484.	0.3	21
17	The lack of polynomial stability to mixtures with frictional dissipation. Journal of Mathematical Analysis and Applications, 2017, 446, 1882-1897.	0.5	4
18	Lack of exponential stability to Timoshenko system with viscoelastic Kelvinâ€“Voigt type. Zeitschrift Fur Angewandte Mathematik Und Physik, 2016, 67, 1.	0.7	20

#	Article	IF	Citations
19	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
20	Decay of solutions for a mixture of thermoelastic solids with different temperatures. Computers and Mathematics With Applications, 2016, 71, 991-1009.	1.4	11
21	The lack of exponential stability of the hybrid Bresse system. Journal of Mathematical Analysis and Applications, 2016, 436, 1-15.	0.5	11
22	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
23	A contact problem for a thermoelastic Timoshenko beam. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 1969-1986.	0.7	9
24	Rates of decay to non homogeneous Timoshenko model with tip body. Journal of Differential Equations, 2015, 258, 3468-3490.	1.1	22
25	Energy change to insertion of inclusions associated with the Reissnerâ€“Mindlin plate bending model. International Journal of Solids and Structures, 2015, 59, 132-139.	1.3	8
26	About analyticity for the coupled system of linear thermoviscoelastic equations. Applied Mathematics and Computation, 2015, 270, 943-952.	1.4	2
27	Stability criterion to explicit finite difference applied to the Bresse system. Afrika Matematika, 2015, 26, 761-778.	0.4	4
28	GAIN OF REGULARITY FOR A BENNEY-LIN EQUATION TYPE. Quarterly Journal of Mathematics, 2014, 65, 459-483.	0.3	2
29	Energy decay to Timoshenko's system with thermoelasticity of type III. Asymptotic Analysis, 2014, 86, 227-247.	0.2	20
30	Stabilization of ternary mixtures with frictional dissipation. Asymptotic Analysis, 2014, 89, 235-262.	0.2	8
31	Polynomial stabilization of magnetoelastic plates. IMA Journal of Applied Mathematics, 2014, 79, 241-253.	0.8	2
32	Stability to 1-D thermoelastic Timoshenko beam acting on shear force. Zeitschrift Fur Angewandte Mathematik Und Physik, 2014, 65, 1233-1249.	0.7	80
33	Mindlinâ€“Timoshenko systems with Kelvinâ€“Voigt: analyticity and optimal decay rates. Journal of Mathematical Analysis and Applications, 2014, 417, 164-179.	0.5	11
34	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
35	The asymptotic behavior of the linear transmission problem in viscoelasticity. Mathematische Nachrichten, 2014, 287, 483-497.	0.4	39
36	An integration model for two different ethnic groups. Evolution Equations and Control Theory, 2014, 3, 277-286.	0.7	0

#	Article	IF	Citations
37	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
38	Stability properties of an abstract system with applications to linear thermoelastic plates. Journal of Evolution Equations, 2013, 13, 777-794.	0.6	14
39	Decay of solutions for a mixture of thermoelastic one dimensional solids. Computers and Mathematics With Applications, 2013, 66, 41-55.	1.4	18
40	Stability to weakly dissipative Timoshenko systems. Mathematical Methods in the Applied Sciences, 2013, 36, 1965-1976.	1.2	54
41	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
42	On decay and analyticity in viscoelastic solids with voids by means of dissipative coupling. Mathematics and Mechanics of Solids, 2013, 18, 837-848.	1.5	1
43	Optimal rates of decay in 2-d thermoelasticity with second sound. Journal of Mathematical Physics, 2012, 53, .	0.5	27
44	The stability number of the Timoshenko system with second sound. Journal of Differential Equations, 2012, 253, 2715-2733.	1.1	121
45	General decay to the full von KÃ¡rmÃ¡n system with memory. Nonlinear Analysis: Real World Applications, 2012, 13, 2633-2647.	0.9	4
46	Stabilization of mixture of two rigid solids modeling temperature and porosity. Applied Mathematics Letters, 2012, 25, 884-889.	1.5	1
47	Bresse system with indefinite damping. Journal of Mathematical Analysis and Applications, 2012, 387, 284-290.	0.5	34
48	Analyticity in porous-thermoelasticity with microtemperatures. Journal of Mathematical Analysis and Applications, 2012, 394, 645-655.	0.5	32
49	Analyticity of transmission problem to thermoelastic plates. Quarterly of Applied Mathematics, 2011, 69, 1-13.	0.5	7
50	Transmission Problem in Thermoelasticity. Boundary Value Problems, 2011, 2011, 1-33.	0.3	1
51	On the rate of decay in interacting continua with memory. Journal of Differential Equations, 2011, 251, 3583-3605.	1.1	13
52	Stabilization of a system modeling temperature and porosity fields in a Kelvinâ€“Voigt-type mixture. Acta Mechanica, 2011, 219, 145-167.	1.1	6
53	Analyticity and Smoothing Effect for the Coupled System of Equations of Korteweg-de Vries Type with a Single Point Singularity. Acta Applicandae Mathematicae, 2011, 113, 75-100.	0.5	3
54	Stability to weak dissipative Bresse system. Journal of Mathematical Analysis and Applications, 2011, 374, 481-498.	0.5	70

#	Article	IF	Citations
55	On the decay of solutions for porous-elastic systems with history. Journal of Mathematical Analysis and Applications, 2011, 379, 682-705.	0.5	88
56	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
57	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
58	Decay property for second order hyperbolic systems of viscoelastic materials. Journal of Mathematical Analysis and Applications, 2010, 366, 621-635.	0.5	31
59	Decay of solutions in nonsimple thermoelastic bars. International Journal of Engineering Science, 2010, 48, 1233-1241.	2.7	23
60	On the Energy Decay for a Thermoelastic Contact Problem Involving Heat Transfer. Journal of Thermal Stresses, 2010, 33, 1049-1065.	1.1	14
61	Rates of decay to weak thermoelastic Bresse system. IMA Journal of Applied Mathematics, 2010, 75, 881-904.	0.8	96
62	Optimal control theory for ambient pollution. International Journal of Control, 2010, 83, 2261-2275.	1.2	4
63	The transmission problem to thermoelastic plate of hyperbolic type. IMA Journal of Applied Mathematics, 2009, 74, 950-962.	0.8	9
64	Asymptotic behavior of a thermoviscoelastic plate with memory effects. Asymptotic Analysis, 2009, 63, 55-84.	0.2	8
65	Stabilization in elastic solids with voids. Journal of Mathematical Analysis and Applications, 2009, 350, 37-49.	0.5	80
66	Exponential decay in a thermoelastic mixture of solids. International Journal of Solids and Structures, 2009, 46, 1659-1666.	1.3	42
67	Exponential stability in thermoviscoelastic mixtures of solids. International Journal of Solids and Structures, 2009, 46, 4151-4162.	1.3	30
68	Pollution's ambient problems and regularity of optimal cost function. International Journal of Control, 2009, 82, 1297-1312.	1.2	0
69	Analyticity of Semigroups Associated with Thermoviscoelastic Mixtures of Solids. Journal of Thermal Stresses, 2009, 32, 986-1004.	1.1	19
70	Stability of Timoshenko systems with past history. Journal of Mathematical Analysis and Applications, 2008, 339, 482-502.	0.5	128
71	Exponential stability for wave equations with non-dissipative damping. Nonlinear Analysis: Theory, Methods & Applications, 2008, 68, 2531-2551.	0.6	11
72	On the time polynomial decay in elastic solids with voids. Journal of Mathematical Analysis and Applications, 2008, 338, 1296-1309.	0.5	105

#	Article	IF	Citations
73	Timoshenko systems with indefinite damping. Journal of Mathematical Analysis and Applications, 2008, 341, 1068-1083.	0.5	92
74	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
75	Exponential Decay for a Thermoelastic Beam Between two Stops. Journal of Thermal Stresses, 2008, 31, 537-556.	1.1	10
76	Stability for a Transmission Problem in Thermoelasticity with Second Sound. Journal of Thermal Stresses, 2008, 31, 1170-1189.	1.1	19
77	Asymptotic behaviour for a two-dimensional thermoelastic model. Mathematical Methods in the Applied Sciences, 2007, 30, 549-566.	1.2	1
78	Asymptotic stability of semigroups associated with linear weak dissipative systems with memory. Journal of Mathematical Analysis and Applications, 2007, 326, 691-707.	0.5	51
79	About Asymptotic Behavior for a Transmission Problem in Hyperbolic Thermoelasticity. Acta Applicandae Mathematicae, 2007, 99, 1-27.	0.5	9
80	On the energy decay of the linear thermoelastic plate with memory. Journal of Mathematical Analysis and Applications, 2005, 309, 1-14.	0.5	29
81	Asymptotic behavior to a von KÃ¡rmÃ¡n plate with boundary memory conditions. Nonlinear Analysis: Theory, Methods & Applications, 2005, 62, 1183-1205.	0.6	33
82	Global existence and exponential stability of solutions to thermoelastic equations of hyperbolic type. Journal of Elasticity, 2005, 75, 125-145.	0.9	15
83	Asymptotic behaviour of the energy for electromagnetic systems with memory. Mathematical Methods in the Applied Sciences, 2004, 27, 819-841.	1.2	36
84	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
85	Asymptotic stability of semigroups associated to linear weak dissipative systems. Mathematical and Computer Modelling, 2004, 40, 387-392.	2.0	11
86	A transmission problem for thermoelastic plates. Quarterly of Applied Mathematics, 2004, 62, 273-293.	0.5	18
87	Polynomial Stability to Three-Dimensional Magnetoelastic Waves. Acta Applicandae Mathematicae, 2003, 76, 265-281.	0.5	12
88	Energy decay for Timoshenko systems of memory type. Journal of Differential Equations, 2003, 194, 82-115.	1.1	238
89	Asymptotic behavior of the energy for a class of weakly dissipative second-order systems with memory. Journal of Mathematical Analysis and Applications, 2003, 286, 692-704.	0.5	97
90	Positive solutions for a nonlinear nonlocal elliptic transmission problem. Applied Mathematics Letters, 2003, 16, 243-248.	1.5	208

#	Article	IF	Citations
91	Polynomial decay for the energy with an acoustic boundary condition. Applied Mathematics Letters, 2003, 16, 249-256.	1.5	36
92	Exponential stability and universal attractors for the Navierâ€“Stokes equations of compressible fluids between two horizontal parallel plates in. Applied Numerical Mathematics, 2003, 47, 209-235.	1.2	22
93	TRANSMISSION PROBLEM FOR HYPERBOLIC THERMOELASTIC SYSTEMS. Journal of Thermal Stresses, 2003, 26, 739-763.	1.1	26
94	Transmission problem in thermoelasticity with symmetry. IMA Journal of Applied Mathematics, 2003, 68, 23-46.	0.8	32
95	Asymptotic Behavior of a Mindlin-Timoshenko Plate with Viscoelastic Dissipation on the Boundary. Funkcialaj Ekvacioj, 2003, 46, 363-382.	0.2	11
96	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
97	Asymptotic behaviour and exponential stability for a transmission problem in thermoelasticity. Mathematical Methods in the Applied Sciences, 2002, 25, 955-980.	1.2	45
98	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
99	Mildly dissipative nonlinear Timoshenko systemsâ€”global existence and exponential stability. Journal of Mathematical Analysis and Applications, 2002, 276, 248-278.	0.5	210
100	Global existence and decay for the semilinear thermoelastic contact problem. Journal of Differential Equations, 2002, 186, 52-68.	1.1	15
101	Large-Time Behaviour of Energy in Elasticity. Journal of Elasticity, 2002, 66, 171-184.	0.9	2
102	Polynomial stability in two-dimensional magneto-elasticity. IMA Journal of Applied Mathematics, 2001, 66, 269-283.	0.8	20
103	Energy decay for hyperbolic thermoelastic systems of memory type. Quarterly of Applied Mathematics, 2001, 59, 441-458.	0.5	52
104	Asymptotic behaviour of the energy in partially viscoelastic materials. Quarterly of Applied Mathematics, 2001, 59, 557-578.	0.5	108
105	Global Attractors for a Semilinear Hyperbolic Equation in Viscoelasticity. Journal of Mathematical Analysis and Applications, 2001, 260, 83-99.	0.5	137
106	The Contact Problem in Thermoviscoelastic Materials. Journal of Mathematical Analysis and Applications, 2001, 264, 522-545.	0.5	18
107	Exponential Stability to a Contact Problem of Partially Viscoelastic Materials. Journal of Elasticity, 2001, 63, 87-111.	0.9	42
108	THE TRANSMISSION PROBLEM FOR THERMOELASTIC BEAMS. Journal of Thermal Stresses, 2001, 24, 1137-1158.	1.1	24

#	Article	IF	Citations
109	Exponential decay of non-linear wave equation with a viscoelastic boundary condition. Mathematical Methods in the Applied Sciences, 2000, 23, 41-61.	1.2	55
110	The Transmission Problem of Viscoelastic Waves. Acta Applicandae Mathematicae, 2000, 62, 1-21.	0.5	55
111	Existence and exponential decay for contact problems in thermoelasiticity. Applicable Analysis, 1999, 72, 253-273.	0.6	8
112	Existence and Decay to Contact Problems for Thermoviscoelastic Plates. Journal of Mathematical Analysis and Applications, 1999, 233, 56-76.	0.5	8
113	Asymptotic Behavior in Linear Thermoelasticity. Journal of Mathematical Analysis and Applications, 1999, 232, 138-165.	0.5	13
114	Decay rates of solutions to a von KÃ¡rmÃ¡n system for viscoelastic plates with memory. Quarterly of Applied Mathematics, 1999, 57, 181-200.	0.5	43
115	Uniform Rates of Decay in Anisotropic Thermo-Viscoelasticity. Acta Applicandae Mathematicae, 1998, 50, 207-224.	0.5	2
116	The Thermoelastic and Viscoelastic Contact of Two Rods. Journal of Mathematical Analysis and Applications, 1998, 217, 423-458.	0.5	20
117	Regularizing properties and propagations of singularities for thermoelastic plates. Mathematical Methods in the Applied Sciences, 1998, 21, 797-821.	1.2	8
118	Existence and exponential decay in nonlinear thermoelasticity. Nonlinear Analysis: Theory, Methods & Applications, 1998, 31, 149-162.	0.6	30
119	Multidimensional Contact Problems in Thermoelasticity. SIAM Journal on Applied Mathematics, 1998, 58, 1307-1337.	0.8	28
120	Asymptotic stability and global existence in thermoelasticity with symmetry. Quarterly of Applied Mathematics, 1998, 56, 259-275.	0.5	37
121	Existence and uniform rates of decay of contant problems in viscoelasticity. Applicable Analysis, 1997, 67, 175-199.	0.6	18
122	Exponential stability for a contact problem in thermoelasticity. IMA Journal of Applied Mathematics, 1997, 58, 71-82.	0.8	15
123	A Linear Thermoelastic Plate Equation with Dirichlet Boundary Condition. Mathematical Methods in the Applied Sciences, 1997, 20, 915-932.	1.2	16
124	Smoothing Effect and Propagations of Singularities for Viscoelastic Plates. Journal of Mathematical Analysis and Applications, 1997, 206, 397-427.	0.5	27
125	A Linear Thermoelastic Plate Equation with Dirichlet Boundary Condition. Mathematical Methods in the Applied Sciences, 1997, 20, 915-932.	1.2	3
126	Uniform rates of decay in nonlinear viscoelasticity for polynomial decaying kernels. Applicable Analysis, 1996, 60, 97-133.	0.6	8

#	Article	IF	Citations
127	Decay rates of solutions of an anisotropic inhomogeneousn-dimensional viscoelastic equation with polynomially decaying kernels. Communications in Mathematical Physics, 1996, 177, 583-602.	1.0	71
128	Large Solutions and Smoothing Properties for Nonlinear Thermoelastic Systems. Journal of Differential Equations, 1996, 127, 454-483.	1.1	52
129	Global Solution and Regularizing Properties on a Class of Nonlinear Evolution Equation. Journal of Differential Equations, 1996, 128, 103-124.	1.1	8
130	Existence and decay of weak solutions for systems arising in thermodynamics. Nonlinear Analysis: Theory, Methods & Applications, 1995, 24, 825-837.	0.6	0
131	Smoothing Properties, Decay, and Global Existence of Solutions to Nonlinear Coupled Systems of Thermoelastic Type. SIAM Journal on Mathematical Analysis, 1995, 26, 1547-1563.	0.9	95
132	Remarks on the existence and decay of the nonlinear beam equation. International Journal of Mathematics and Mathematical Sciences, 1994, 17, 409-412.	0.3	2
133	GLOBAL SMOOTH SOLUTION AND UNIFORM RATE OF DECAY IN NONLINEAR VISCOELASTICITY. Reviews in Mathematical Physics, 1994, 06, 855-868.	0.7	3
134	Asymptotic behaviour in inhomogeneous linear thermoelasticity. Applicable Analysis, 1994, 53, 55-65.	0.6	17
135	Existence and asymptotic behaviour in a class of nonlinear wave equations with thermal dissipation. Nonlinear Analysis: Theory, Methods & Applications, 1994, 23, 1255-1272.	0.6	2
136	Asymptotic behaviour in linear viscoelasticity. Quarterly of Applied Mathematics, 1994, 52, 628-648.	0.5	131
137	Decomposition of the Displacement Vector Field and Decay Rates in Linear Thermoelasticity. SIAM Journal on Mathematical Analysis, 1993, 24, 390-406.	0.9	18
138	Remarks on the optimal control problem for a strongly non linear hyperbolic system. Acta Mathematica Hungarica, 1992, 59, 151-157.	0.3	0
139	Remarks on quasilinear evolutions equations. International Journal of Mathematics and Mathematical Sciences, 1991, 14, 731-736.	0.3	0
140	Pointwise control: differentiability of the optimal cost function. , 1990, , .		0
141	Exact Controllability: Coefficient Depending on the Time. SIAM Journal on Control and Optimization, 1990, 28, 498-501.	1.1	3
142	The lack of polynomial stability to mixtures with memory. Boletim Da Sociedade Paranaense De Matematica, 0, 40, 1-13.	0.4	0