Ryo Ikehata

List of Publications by Year
in descending order

50 papers	1,078 citations	471371 17 h-index	414303 32 g-index
50 all docs	50 docs citations	50 times ranked	137 citing authors

#	Article	IF	Citations
1	A dissipative logarithmic-type evolution equation: Asymptotic profile and optimal estimates. Journal of Mathematical Analysis and Applications, 2022, 506, 125587.	0.5	4
2	Double diffusion structure of logarithmically damped wave equations with a small parameter. Journal of Differential Equations, 2022, 311, 188-228.	1.1	4
3	A dissipative logarithmic-Laplacian type of plate equation: Asymptotic profile and decay rates. Discrete and Continuous Dynamical Systems, 2022, 42, 2215.	0.5	1
4	Thresholds for low regularity solutions to wave equations with structural damping. Journal of Mathematical Analysis and Applications, 2021, 494, 124669.	0.5	7
5	Asymptotic profiles for a wave equation with parameterâ€dependent logarithmic damping. Mathematical Methods in the Applied Sciences, 2021, 44, 14003-14024.	1.2	7
6	The Cauchy problem for the Moore-Gibson-Thompson equation in the dissipative case. Journal of Differential Equations, 2021, 292, 176-219.	1.1	34
7	A note on decay rates of the local energy for wave equations with Lipschitz wavespeeds. Journal of Mathematical Analysis and Applications, 2020, 483, 123636.	0.5	5
8	Asymptotic profile and optimal decay of solutions of some wave equations with logarithmic damping. Zeitschrift Fur Angewandte Mathematik Und Physik, 2020, 71, 1.	0.7	6
9	A note on optimal L^2-estimates of solutions to some strongly damped $Ïƒ$-evolution equations. Asymptotic Analysis, 2020, 121, 59-74.	0.2	3
10	Asymptotic profiles for damped plate equations with rotational inertia terms. Journal of Hyperbolic Differential Equations, 2020, 17, 569-589.	0.3	4
11	Moment conditions and lower bounds in expanding solutions of wave equations with double damping terms. Asymptotic Analysis, 2019, 114, 19-36.	0.2	4
12	Critical exponent for semi-linear wave equations with double damping terms in exterior domains. Nonlinear Differential Equations and Applications, 2019, 26, 1.	0.4	5
13	Asymptotic profile of solutions for strongly damped Kleinâ€Gordon equations. Mathematical Methods in the Applied Sciences, 2019, 42, 2287-2301.	1.2	7
14	Asymptotic Profiles of Solutions for Structural Damped Wave Equations. Journal of Dynamics and Differential Equations, 2019, 31, 537-571.	1.0	22
15	Asymptotic profile of solutions for some wave equations with very strong structural damping. Mathematical Methods in the Applied Sciences, 2018, 41, 5074-5090.	1.2	11
16	Critical exponent for nonlinear wave equations with frictional and viscoelastic damping terms. Nonlinear Analysis: Theory, Methods & Applications, 2017, 148, 228-253.	0.6	13
17	Remarks on the Decay Rate of the Energy for Damped Modified Boussinesq-Beam Equations on the 1-D Half Line. Funkcialaj Ekvacioj, 2017, 60, 239-257.	0.2	0
18	Fast energy decay for wave equations with a localized damping in the n-D half space. Asymptotic Analysis, 2017, 103, 77-94.	0.2	2

#	Article	IF	Citations
19	Asymptotic profile of solutions for wave equations with frictional and viscoelastic damping terms. Asymptotic Analysis, 2016, 98, 59-77.	0.2	15
20	Optimal decay rates and asymptotic profile for the plate equation with structural damping. Journal of Mathematical Analysis and Applications, 2016, 440, 529-560.	0.5	17
21	Asymptotic profiles for a strongly damped plate equation with lower order perturbation. Communications on Pure and Applied Analysis, 2015, 14, 1759-1780.	0.4	17
22	Asymptotic behavior for abstract evolution differential equations of second order. Journal of Differential Equations, 2015, 259, 5017-5039.	1.1	21
23	Some remarks on the asymptotic profiles of solutions for strongly damped wave equations on the 1-D half space. Journal of Mathematical Analysis and Applications, 2015, 421, 905-916.	0.5	4
24	Optimal decay rates for the system of elastic waves in R n with structural damping. Journal of Evolution Equations, 2014, 14, 197-210.	0.6	9
25	Asymptotic profiles for wave equations with strong damping. Journal of Differential Equations, 2014, 257, 2159-2177.	1.1	75
26	NEW DECAY RATES FOR A PROBLEM OF PLATE DYNAMICS WITH FRACTIONAL DAMPING. Journal of Hyperbolic Differential Equations, 2013, 10, 563-575.	0.3	17
27	Sharp decay rates for wave equations with a fractional damping via new method in the Fourier space. Journal of Mathematical Analysis and Applications, 2013, 408, 247-255.	0.5	45
28	Wave equations with strong damping in Hilbert spaces. Journal of Differential Equations, 2013, 254, 3352-3368.	1.1	77
29	Optimal decay rate of the energy for wave equations with critical potential. Journal of the Mathematical Society of Japan, 2013, 65, .	0.3	35
30	Energy decay rates of elastic waves in unbounded domain with potential type of damping. Journal of Mathematical Analysis and Applications, 2011, 380, 46-56.	0.5	7
31	Local energy decay for a class of hyperbolic equations with constant coefficients near infinity. Mathematische Nachrichten, 2010, 283, 636-647.	0.4	2
32	Critical Exponent for Semilinear Wave Equations with Space-Dependent Potential. Funkcialaj Ekvacioj, 2009, 52, 411-435.	0.2	35
33	Global existence of weak solutions for two-dimensional semilinear wave equations with strong damping in an exterior domain. Nonlinear Analysis: Theory, Methods & Applications, 2008, 68, 154-169.	0.6	20
34	Decay of solutions for a semilinear system of elastic waves in an exterior domain with damping near infinity. Nonlinear Analysis: Theory, Methods & Applications, 2007, 67, 398-429.	0.6	9
35	Local energy decay for some hyperbolic equations with initial data decaying slowly near infinity. Hokkaido Mathematical Journal, 2007, 36, .	0.2	3
36	Global asymptotics of solutions to the Cauchy problem for the damped wave equation with absorption. Journal of Differential Equations, 2006, 226, 1-29.	1.1	37

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37	Global existence of solutions for 2-D semilinear wave equations with dissipation localized near infinity in an exterior domain. Mathematical Methods in the Applied Sciences, 2006, 29, 479-496.	1.2	3
38	Two dimensional exterior mixed problem for semilinear damped wave equations. Journal of Mathematical Analysis and Applications, 2005, 301, 366-377.	0.5	15
39	Local energy decay for linear wave equations with variable coefficients. Journal of Mathematical Analysis and Applications, 2005, 306, 330-348.	0.5	11
40	Global existence of solutions for semilinear damped wave equations in R with noncompactly supported initial data. Nonlinear Analysis: Theory, Methods & Applications, 2005, 61, 1189-1208.	0.6	96
41	New decay estimates for linear damped wave equations and its application to nonlinear problem. Mathematical Methods in the Applied Sciences, 2004, 27, 865-889.	1.2	71
42	Local energy decay for linear wave equations with non-compactly supported initial data. Mathematical Methods in the Applied Sciences, 2004, 27, 1881-1892.	1.2	10
43	Global existence of solutions for semilinear damped wave equation in 2-D exterior domain. Journal of Differential Equations, 2004, 200, 53-68.	1.1	11
44	Decay estimates of solutions for dissipative wave equations in RN with lower power nonlinearities. Journal of the Mathematical Society of Japan, 2004, 56, 365.	0.3	84
45	Critical exponent for semilinear damped wave equations in the N-dimensional half space. Journal of Mathematical Analysis and Applications, 2003, 288, 803-818.	0.5	17
46	Improved decay rates for solutions to one-dimensional linear and semilinear dissipative wave equations in all space. Journal of Mathematical Analysis and Applications, 2003, 277, 555-570.	0.5	11
47	Diffusion phenomenon for second order linear evolution equations. Studia Mathematica, 2003, 158, 153-161.	0.4	42
48	Critical exponents for semilinear dissipative wave equations in RN. Journal of Mathematical Analysis and Applications, 2002, 269, 87-97.	0.5	68
49	Diffusion phenomenon for linear dissipative wave equations in an exterior domain. Journal of Differential Equations, 2002, 186, 633-651.	1.1	33
50	Decay estimates of solutions for the wave equations with strong damping terms in unbounded domains. Mathematical Methods in the Applied Sciences, 2001, 24, 659-670.	1.2	22