

Satoshi Tanaka

List of Publications by Year in descending order

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30
papers

208
citations

1307594

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1125743

13
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31
all docs

31
docs citations

31
times ranked

65
citing authors

#	ARTICLE	IF	CITATIONS
1	On the existence of multiple solutions of the boundary value problem for nonlinear second-order differential equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2004, 56, 919-935.	1.1	52
2	Three positive solutions for one-dimensional Δp -Laplacian problem with sign-changing weight. <i>Applied Mathematics Letters</i> , 2015, 49, 42-50.	2.7	26
3	Sharp conditions for the existence of sign-changing solutions to equations involving the one-dimensional Δ -Laplacian. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2008, 69, 3070-3083.	1.1	16
4	Rectifiable oscillations of self-adjoint and damped linear differential equations of second-order. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 381, 27-42.	1.0	12
5	An identity for a quasilinear ODE and its applications to the uniqueness of solutions of BVPs. <i>Journal of Mathematical Analysis and Applications</i> , 2009, 351, 206-217.	1.0	11
6	Morse index and symmetry-breaking for positive solutions of one-dimensional H^1 -non type equations. <i>Journal of Differential Equations</i> , 2013, 255, 1709-1733.	2.2	10
7	Fractal oscillations of self-adjoint and damped linear differential equations of second-order. <i>Applied Mathematics and Computation</i> , 2011, 218, 2281-2293.	2.2	9
8	Uniqueness and nonuniqueness of nodal radial solutions of sublinear elliptic equations in a ball. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 71, 5256-5267.	1.1	7
9	Uniqueness of nodal radial solutions superlinear elliptic equations in a ball. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2008, 138, 1331-1343.	1.2	6
10	Existence of Positive Solutions of Higher Order Nonlinear Neutral Differential Equations. <i>Rocky Mountain Journal of Mathematics</i> , 2000, 30, 1139.	0.4	5
11	Symmetry-breaking bifurcation for the Moore-Nehari differential equation. <i>Nonlinear Differential Equations and Applications</i> , 2018, 25, 1.	0.8	5
12	Oscillatory and nonoscillatory solutions of neutral differential equations. <i>Annales Polonici Mathematici</i> , 2000, 73, 169-184.	0.5	5
13	Existence of Positive Solutions for a Class of Higher Order Neutral Functional Differential Equations. <i>Czechoslovak Mathematical Journal</i> , 2001, 51, 573-583.	0.3	4
14	A oscillation theorem for a class of even order neutral differential equations. <i>Journal of Mathematical Analysis and Applications</i> , 2002, 273, 172-189.	1.0	4
15	Uniqueness of sign-changing radial solutions for $\hat{p}(u)u' + u ^{q-1}u = 0$ in some ball and annulus. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 439, 154-170.	1.0	4
16	Symmetry-breaking bifurcation for the one-dimensional H^1 -non equation. <i>Communications in Contemporary Mathematics</i> , 2019, 21, 1750097.	1.2	4
17	Rectifiability of Solutions for a Class of Two-Dimensional Linear Differential Systems. <i>Mediterranean Journal of Mathematics</i> , 2017, 14, 1.	0.8	3
18	A complete classification of bifurcation diagrams for a class of (p,q) -Laplace equations. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 462, 1178-1194.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Rectifiable and nonrectifiable solution curves of half-linear differential systems. <i>Mathematica Slovaca</i> , 2018, 68, 575-590.	0.6	3
20	Existence and asymptotic behavior of solutions of nonlinear neutral differential equations. <i>Mathematical and Computer Modelling</i> , 2006, 43, 536-562.	2.0	2
21	Symmetry-breaking bifurcation for the one-dimensional Liouville type equation. <i>Journal of Differential Equations</i> , 2017, 263, 6953-6973.	2.2	2
22	Perturbations of planar quasilinear differential systems. <i>Journal of Differential Equations</i> , 2021, 271, 216-253.	2.2	2
23	Rectifiability of orbits for two-dimensional nonautonomous differential systems. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2021, , 1-23.	0.5	2
24	Uniqueness of positive radial solutions of superlinear elliptic equations in annuli. <i>Journal of Differential Equations</i> , 2021, 284, 522-545.	2.2	2
25	Box-counting dimension of oscillatory solutions to the Emden-Fowler equation. <i>Differential Equations and Applications</i> , 2018, , 239-250.	0.4	2
26	The exact multiplicity of positive solutions for a class of two-point boundary-value problems with the one-dimensional p -Laplacian. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2014, 144, 187-203.	1.2	1
27	A necessary and sufficient condition for the oscillation in a class of even order neutral differential equations. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2000, , 1-27.	0.5	1
28	Positive Solutions for Systems of Quasilinear Equations with Non-homogeneous Operators and Weights. <i>Advanced Nonlinear Studies</i> , 2020, 20, 293-310.	1.7	1
29	Fractal Oscillations of Chirp Functions and Applications to Second-Order Linear Differential Equations. <i>International Journal of Differential Equations</i> , 2013, 2013, 1-11.	0.8	0
30	Multiple existence of positive even solutions for a two point boundary value problem on some very narrow possible parameter set. <i>Journal of Mathematical Analysis and Applications</i> , 2022, 513, 126182.	1.0	0