Satoshi Tanaka

List of Publications by Year
in descending order

30 papers	208 citations	1307594 7 h-index	1125743 13 g-index
31 all docs	31 docs citations	31 times ranked	65 citing authors

#	Article	IF	Citations
1	Multiple existence of positive even solutions for a two point boundary value problem on some very narrow possible parameter set. Journal of Mathematical Analysis and Applications, 2022, 513, 126182.	1.0	0
2	Perturbations of planar quasilinear differential systems. Journal of Differential Equations, 2021, 271, 216-253.	2.2	2
3	Rectifiability of orbits for two-dimensional nonautonomous differential systems. Electronic Journal of Qualitative Theory of Differential Equations, 2021, , 1-23.	0.5	2
4	Uniqueness of positive radial solutions of superlinear elliptic equations in annuli. Journal of Differential Equations, 2021, 284, 522-545.	2.2	2
5	Positive Solutions for Systems of Quasilinear Equations with Non-homogeneous Operators and Weights. Advanced Nonlinear Studies, 2020, 20, 293-310.	1.7	1
6	Symmetry-breaking bifurcation for the one-dimensional HÃ©non equation. Communications in Contemporary Mathematics, 2019, 21, 1750097.	1.2	4
7	A complete classification of bifurcation diagrams for a class of (p,q)-Laplace equations. Journal of Mathematical Analysis and Applications, 2018, 462, 1178-1194.	1.0	3
8	Symmetry-breaking bifurcation for the Mooreâ€"Nehari differential equation. Nonlinear Differential Equations and Applications, 2018, 25, 1.	0.8	5
9	Rectifiable and nonrectifiable solution curves of half-linear differential systems. Mathematica Slovaca, 2018, 68, 575-590.	0.6	3
10	Box-counting dimension of oscillatory solutions to the Emden-Fowler equation. Differential Equations and Applications, 2018, , 239-250.	0.4	2
11	Rectifiability of Solutions for a Class of Two-Dimensional Linear Differential Systems. Mediterranean Journal of Mathematics, 2017, 14, 1.	0.8	3
12	Symmetry-breaking bifurcation for the one-dimensional Liouville type equation. Journal of Differential Equations, 2017, 263, 6953-6973.	2.2	2
13	Uniqueness of sign-changing radial solutions for $\Delta u \hat{} u + |u| \hat{} 1 u = 0$ in some ball and annulus. Journal of Mathematical Analysis and Applications, 2016, 439, 154-170.	1.0	4
14	Three positive solutions for one-dimensional p-Laplacian problem with sign-changing weight. Applied Mathematics Letters, 2015, 49, 42-50.	2.7	26
15	The exact multiplicity of positive solutions for a class of two-point boundary-value problems with the one-dimensional p-Laplacian. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2014, 144, 187-203.	1.2	1
16	Morse index and symmetry-breaking for positive solutions of one-dimensional HÃ©non type equations. Journal of Differential Equations, 2013, 255, 1709-1733.	2.2	10
17	Fractal Oscillations of Chirp Functions and Applications to Second-Order Linear Differential Equations. International Journal of Differential Equations, 2013, 2013, 1-11.	0.8	0
18	Fractal oscillations of self-adjoint and damped linear differential equations of second-order. Applied Mathematics and Computation, 2011, 218, 2281-2293.	2.2	9

#	ARTICLE	IF	CITATIONS
19	Rectifiable oscillations of self-adjoint and damped linear differential equations of second-order. Journal of Mathematical Analysis and Applications, 2011, 381, 27-42.	1.0	12
20	Uniqueness and nonuniqueness of nodal radial solutions of sublinear elliptic equations in a ball. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 5256-5267.	1.1	7
21	An identity for a quasilinear ODE and its applications to the uniqueness of solutions of BVPs. Journal of Mathematical Analysis and Applications, 2009, 351, 206-217.	1.0	11
22	Sharp conditions for the existence of sign-changing solutions to equations involving the one-dimensional -Laplacian. Nonlinear Analysis: Theory, Methods & Applications, 2008, 69, 3070-3083.	1.1	16
23	Uniqueness of nodal radial solutions superlinear elliptic equations in a ball. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2008, 138, 1331-1343.	1.2	6
24	Existence and asymptotic behavior of solutions of nonlinear neutral differential equations. Mathematical and Computer Modelling, 2006, 43, 536-562.	2.0	2
25	On the existence of multiple solutions of the boundary value problem for nonlinear second-order differential equations. Nonlinear Analysis: Theory, Methods & Applications, 2004, 56, 919-935.	1.1	52
26	A oscillation theorem for a class of even order neutral differential equations. Journal of Mathematical Analysis and Applications, 2002, 273, 172-189.	1.0	4
27	Existence of Positive Solutions for a Class of Higher Order Neutral Functional Differential Equations. Czechoslovak Mathematical Journal, 2001, 51, 573-583.	0.3	4
28	Existence of Positive Solutions of Higher Order Nonlinear Neutral Differential Equations. Rocky Mountain Journal of Mathematics, 2000, 30, 1139.	0.4	5
29	A necessary and sufficient condition for the oscillation in a class of even order neutral differential equations. Electronic Journal of Qualitative Theory of Differential Equations, 2000, , 1-27.	0.5	1
30	Oscillatory and nonoscillatory solutions of neutral differential equations. Annales Polonici Mathematici, 2000, 73, 169-184.	0.5	5