

Zhanbing Bai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4852605/publications.pdf>

Version: 2024-02-01

74
papers

3,265
citations

196777
29
h-index

162838
57
g-index

74
all docs

74
docs citations

74
times ranked

938
citing authors

#	ARTICLE	IF	CITATIONS
1	Positive solutions for boundary value problem of nonlinear fractional differential equation. Journal of Mathematical Analysis and Applications, 2005, 311, 495-505.	0.5	802
2	On positive solutions of a nonlocal fractional boundary value problem. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 916-924.	0.6	387
3	On positive solutions of some nonlinear fourth-order beam equations. Journal of Mathematical Analysis and Applications, 2002, 270, 357-368.	0.5	174
4	Existence and multiplicity of positive solutions for singular fractional boundary value problems. Computers and Mathematics With Applications, 2012, 63, 1369-1381.	1.4	123
5	Existence results for the three-point impulsive boundary value problem involving fractional differential equations. Computers and Mathematics With Applications, 2010, 59, 2601-2609.	1.4	114
6	Existence of positive solution for singular fractional differential equation. Applied Mathematics and Computation, 2009, 215, 2761-2767.	1.4	91
7	Positive solutions to boundary value problems of p-Laplacian with fractional derivative. Boundary Value Problems, 2017, 2017, .	0.3	82
8	Solvability of fractional three-point boundary value problems with nonlinear growth. Applied Mathematics and Computation, 2011, 218, 1719-1725.	1.4	76
9	The Method of Lower and Upper Solutions for a Bending of an Elastic Beam Equation. Journal of Mathematical Analysis and Applications, 2000, 248, 195-202.	0.5	74
10	The upper and lower solution method for some fourth-order boundary value problems. Nonlinear Analysis: Theory, Methods & Applications, 2007, 67, 1704-1709.	0.6	73
11	Existence results for impulsive nonlinear fractional differential equation with mixed boundary conditions. Boundary Value Problems, 2016, 2016, .	0.3	73
12	On the existence of blow up solutions for a class of fractional differential equations. Fractional Calculus and Applied Analysis, 2014, 17, 1175-1187.	1.2	71
13	Existence results for a coupled system of nonlinear fractional three-point boundary value problems at resonance. Computers and Mathematics With Applications, 2011, 61, 1032-1047.	1.4	70
14	Existence of three positive solutions for some second-order boundary value problems. Computers and Mathematics With Applications, 2004, 48, 699-707.	1.4	61
15	Radial symmetry of standing waves for nonlinear fractional Hardyâ€™Schrödinger equation. Applied Mathematics Letters, 2019, 96, 131-137.	1.5	61
16	Solvability for a class of fractional m -point boundary value problem at resonance. Computers and Mathematics With Applications, 2011, 62, 1292-1302.	1.4	57
17	Existence and iterative method for some fourth order nonlinear boundary value problems. Applied Mathematics Letters, 2019, 87, 101-107.	1.5	50
18	Positive solutions of fractional differential equations involving the Riemannâ€™Stieltjes integral boundary condition. Advances in Difference Equations, 2018, 2018, .	3.5	45

#	ARTICLE	IF	CITATIONS
19	Eigenvalue intervals for a class of fractional boundary value problem. Computers and Mathematics With Applications, 2012, 64, 3253-3257.	1.4	43
20	The existence of solutions for a fractional multi-point boundary value problem. Computers and Mathematics With Applications, 2010, 60, 2364-2372.	1.4	40
21	Existence for fractional Dirichlet boundary value problem under barrier strip conditions. Journal of Nonlinear Science and Applications, 2017, 10, 3592-3598.	0.4	40
22	Existence of solutions for nonlinear fractional three-point boundary value problems at resonance. Journal of Applied Mathematics and Computing, 2011, 36, 417-440.	1.2	39
23	Solutions of 2nth Lidstone boundary value problems and dependence on higher order derivatives. Journal of Mathematical Analysis and Applications, 2003, 279, 442-450.	0.5	37
24	Positive solutions of some nonlocal fourth-order boundary value problem. Applied Mathematics and Computation, 2010, 215, 4191-4197.	1.4	36
25	Fractional-order switching type control law design for adaptive sliding mode technique of 3D fractional-order nonlinear systems. Complexity, 2016, 21, 363-373.	0.9	33
26	Positive solutions to fractional boundary-value problems with p-Laplacian on time scales. Boundary Value Problems, 2018, 2018, .	0.3	32
27	Existence and multiplicity of solutions for four-point boundary value problems at resonance. Nonlinear Analysis: Theory, Methods & Applications, 2005, 60, 1151-1162.	0.6	30
28	Extremal solutions for some periodic fractional differential equations. Advances in Difference Equations, 2016, 2016, .	3.5	30
29	The iterative solutions for some fourth-order ξ_1 boundary value problem. Journal of Mathematical Analysis and Applications, 2007, 330, 34-50.	1.5	29
30	Positive solutions for some second-order four-point boundary value problems. Journal of Mathematical Analysis and Applications, 2007, 330, 34-50.	0.5	29
31	Multiplicity results for some second-order four-point boundary-value problems. Nonlinear Analysis: Theory, Methods & Applications, 2005, 60, 491-500.	0.6	28
32	Multiple positive solutions for some p-Laplacian boundary value problems. Journal of Mathematical Analysis and Applications, 2004, 300, 477-490.	0.5	27
33	The existence of countably many positive solutions for singular multipoint boundary value problems. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 955-964.	0.6	25
34	Infinitely many nonnegative solutions for a fractional differential inclusion with oscillatory potential. Applied Mathematics Letters, 2019, 88, 64-72.	1.5	21
35	Positive Solutions of Fractional Differential Equations with p-Laplacian. Journal of Function Spaces, 2017, 2017, 1-9.	0.4	20
36	Upper and lower solution method for a fourth-order four-point boundary value problem on time scales. Applied Mathematics and Computation, 2009, 215, 2243-2247.	1.4	18

#	ARTICLE	IF	CITATIONS
37	Solvability for some class of multi-order nonlinear fractional systems. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	16
38	Positive solutions for a boundary value problem of fractional differential equation with p-Laplacian operator. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	15
39	Impulsive Boundary Value Problem for Differential Equations with Fractional Order. <i>Differential Equations and Dynamical Systems</i> , 2013, 21, 253-260.	0.5	14
40	On positive solutions for some second-order three-point boundary value problems with convection term. <i>Journal of Inequalities and Applications</i> , 2019, 2019, .	0.5	13
41	Multiplicity results for some second-order four-point boundary-value problems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2005, 60, 491-500.	0.6	11
42	SUCCESSIVE ITERATIONS FOR UNIQUE POSITIVE SOLUTION OF A NONLINEAR FRACTIONAL Q-INTEGRAL BOUNDARY VALUE PROBLEM. <i>Journal of Applied Analysis and Computation</i> , 2019, 9, 1204-1215.	0.2	10
43	ITERATIVE METHOD FOR A CLASS OF FOURTH-ORDER p -LAPLACIAN BEAM EQUATION. <i>Journal of Applied Analysis and Computation</i> , 2019, 9, 1443-1453.	0.2	10
44	Positive radial solutions of a singular elliptic equation with sign changing nonlinearities. <i>Applied Mathematics Letters</i> , 2006, 19, 555-567.	1.5	9
45	The Green Function for a Class of Caputo Fractional Differential Equations with a Convection Term. <i>Fractional Calculus and Applied Analysis</i> , 2020, 23, 787-798.	1.2	9
46	Positive Solutions for Boundary Value Problems of Singular Fractional Differential Equations. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-7.	0.3	8
47	The Existence and Uniqueness of a Class of Fractional Differential Equations. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-6.	0.3	8
48	A class of nonlocal problems of fractional differential equations with composition of derivative and parameters. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	8
49	Existence of Positive Solutions to Fourth Order Quasilinear Boundary Value Problems. <i>Acta Mathematica Sinica, English Series</i> , 2006, 22, 1825-1830.	0.2	7
50	Triple positive solutions for some second-order boundary value problem on a measure chain. <i>Computers and Mathematics With Applications</i> , 2007, 53, 1832-1839.	1.4	7
51	Solvability of Some Two-Point Fractional Boundary Value Problems under Barrier Strip Conditions. <i>Journal of Function Spaces</i> , 2017, 2017, 1-6.	0.4	7
52	Solvability of Some Fractional Boundary Value Problems with a Convection Term. <i>Discrete Dynamics in Nature and Society</i> , 2019, 2019, 1-6.	0.5	7
53	On solutions of a class of three-point fractional boundary value problems. <i>Boundary Value Problems</i> , 2020, 2020, .	0.3	7
54	Existence of solution of a three-point boundary value problem via variational approach. <i>Applied Mathematics Letters</i> , 2020, 104, 106283.	1.5	7

#	ARTICLE	IF	CITATIONS
55	POSITIVE SOLUTIONS FOR BOUNDARY VALUE PROBLEM OF NONLINEAR FRACTIONAL DIFFERENTIAL EQUATION. <i>Journal of Nonlinear Science and Applications</i> , 2008, 01, 123-131.	0.4	6
56	Asymptotic solutions for a second-order differential equation with three-point boundary conditions. <i>Applied Mathematics and Computation</i> , 2007, 186, 469-473.	1.4	5
57	Existence of solutions for some two-point fractional boundary value problems under barrier strip conditions. <i>Boundary Value Problems</i> , 2019, 2019, .	0.3	5
58	Solvability for some fourth order two-point boundary value problems. <i>AIMS Mathematics</i> , 2020, 5, 4983-4994.	0.7	5
59	Existence and uniqueness of solutions for a mixed p-Laplace boundary value problem involving fractional derivatives. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	4
60	Periodic and subharmonic solutions for a class of second-order p-Laplacian Hamiltonian systems. <i>Boundary Value Problems</i> , 2014, 2014, .	0.3	3
61	Solvability of a Third-Order Multipoint Boundary Value Problem at Resonance. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-8.	0.3	3
62	Asymptotical stabilization of the nonlinear upper triangular fractional-order systems. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	3
63	Spatial dynamics of a nonlocal delayed unstirred chemostat model with periodic input. <i>International Journal of Biomathematics</i> , 2019, 12, 1950065.	1.5	3
64	MULTIPLE SOLUTIONS FOR SOME NONLINEAR IMPULSIVE DIFFERENTIAL EQUATIONS WITH THREE-POINT BOUNDARY CONDITIONS VIA VARIATIONAL APPROACH. <i>Journal of Applied Analysis and Computation</i> , 2021, 11, 3031-3043.	0.2	3
65	Solvability of Some Nonlocal Fractional Boundary Value Problems at Resonance in \hat{a}, n . <i>Fractal and Fractional</i> , 2022, 6, 25.	1.6	3
66	Periodic solution for second-order impulsive differential inclusions with relativistic operator. <i>Boundary Value Problems</i> , 2018, 2018, .	0.3	2
67	Basic theory of differential equations with mixed perturbations of the second type on time scales. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	2
68	Eigenvalue Criteria for Existence of Positive Solutions to Fractional Boundary Value Problem. <i>Journal of Function Spaces</i> , 2020, 2020, 1-5.	0.4	1
69	Infinitely Many Solutions for Second-Order Impulsive Differential Inclusions with Relativistic Operator. <i>Qualitative Theory of Dynamical Systems</i> , 2021, 20, 1.	0.8	1
70	A class of fourth order nonlinear boundary value problem with singular perturbation. <i>Applied Mathematics Letters</i> , 2021, 115, 106965.	1.5	1
71	Basic theory of differential equations with linear perturbations of second type on time scales. <i>Boundary Value Problems</i> , 2019, 2019, .	0.3	1
72	Positive solutions for some 1-dimensional boundary value problems of Laplace-type. <i>Applied Mathematics</i> , 2007, 22, 13-20.	0.6	0

#	ARTICLE	IF	CITATIONS
73	ANTI-PERIODIC SOLUTION FOR FOURTH-ORDER IMPULSIVE DIFFERENTIAL EQUATION VIA SADDLE POINT THEOREM. <i>Journal of Applied Analysis and Computation</i> , 2021, 11, 254-270.	0.2	0
74	Solutions for a class of Hamiltonian systems on time scales with non-local boundary conditions. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2022, 43, 587-602.	1.9	0