

Chengbo Zhai

List of Publications by Year in descending order

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68
papers

1,010
citations

471061

17
h-index

454577

30
g-index

68
all docs

68
docs citations

68
times ranked

447
citing authors

#	ARTICLE	IF	CITATIONS
1	Unique solutions for a new coupled system of fractional differential equations. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	195
2	Properties of positive solutions to a class of four-point boundary value problem of Caputo fractional differential equations with a parameter. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014, 19, 2820-2827.	1.7	82
3	Fixed point theorems for mixed monotone operators with perturbation and applications to fractional differential equation boundary value problems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012, 75, 2542-2551.	0.6	75
4	New fixed point theorems for mixed monotone operators and local existence"uniqueness of positive solutions for nonlinear boundary value problems. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 382, 594-614.	0.5	48
5	Positive solutions of the three-point boundary value problem for second order differential equations with an advanced argument. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2006, 65, 2013-2023.	0.6	40
6	A sum operator method for the existence and uniqueness of positive solutions to Riemann"Liouville fractional differential equation boundary value problems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 858-866.	1.7	40
7	\tilde{I}^{α} (h,e)-concave operators and applications. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 454, 571-584.	0.5	38
8	A sum operator equation and applications to nonlinear elastic beam equations and Lane"Emden"Fowler equations. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 375, 388-400.	0.5	37
9	A uniqueness method to a new Hadamard fractional differential system with four-point boundary conditions. <i>Journal of Inequalities and Applications</i> , 2018, 2018, 207.	0.5	36
10	The unique solution for a fractional ${}^C D^{\alpha} x = q x$ -difference equation with three-point boundary conditions. <i>Indagationes Mathematicae</i> , 2018, 29, 948-961.	0.2	28
11	Positive and negative solutions of a boundary value problem for a fractional q-difference equation. <i>Advances in Difference Equations</i> , 2017, 2017, .	3.5	26
12	The existence and the uniqueness of symmetric positive solutions for a fourth-order boundary value problem. <i>Computers and Mathematics With Applications</i> , 2011, 62, 2639-2647.	1.4	23
13	Local uniqueness of positive solutions for a coupled system of fractional differential equations with integral boundary conditions. <i>Advances in Difference Equations</i> , 2017, 2017, .	3.5	23
14	A Fractional q -difference Equation with Integral Boundary Conditions and Comparison Theorem. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2017, 18, 575-583.	0.4	21
15	Mixed monotone operator methods for the existence and uniqueness of positive solutions to Riemann-Liouville fractional differential equation boundary value problems. <i>Boundary Value Problems</i> , 2013, 2013, .	0.3	20
16	On \hat{I}_{\pm} -convex operators. <i>Journal of Mathematical Analysis and Applications</i> , 2006, 316, 556-565.	0.5	18
17	Properties of positive solutions for the operator equation $Ax = \hat{\lambda} x$ and applications to fractional differential equations with integral boundary conditions. <i>Advances in Difference Equations</i> , 2015, 2015, .	3.5	18
18	Single upper-solution or lower-solution method for Langevin equations with two fractional orders. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	17

#	ARTICLE	IF	CITATIONS
19	Solutions for a System of Hadamard Fractional Differential Equations with Integral Conditions. Numerical Functional Analysis and Optimization, 2020, 41, 209-229.	0.6	17
20	Nonnegative Solutions of Initial Value Problems for Langevin Equations Involving Two Fractional Orders. Mediterranean Journal of Mathematics, 2018, 15, 1.	0.4	16
21	New existence and uniqueness results for an elastic beam equation with nonlinear boundary conditions. Boundary Value Problems, 2015, 2015, .	0.3	12
22	Some existence, uniqueness results on positive solutions for a fractional differential equation with infinite-point boundary conditions. Nonlinear Analysis: Modelling and Control, 2017, 22, 566-577.	1.1	10
23	Positive solutions for semi-positone three-point boundary value problems. Journal of Computational and Applied Mathematics, 2009, 228, 279-286.	1.1	9
24	A coupled system of fractional differential equations on the half-line. Boundary Value Problems, 2019, 2019, .	0.3	9
25	Existence and uniqueness of positive solutions for a class of fractional differential equation with integral boundary conditions. Nonlinear Analysis: Modelling and Control, 2017, 22, 160-172.	1.1	9
26	An existence and uniqueness result for the singular Laneâ€“Emdenâ€“Fowler equation. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 1275-1279.	0.6	8
27	Positive solutions for a new class of Hadamard fractional differential equations on infinite intervals. Journal of Inequalities and Applications, 2019, 2019, .	0.5	8
28	Existence and uniqueness of positive periodic solutions for a first-order functional differential equation. Advances in Difference Equations, 2015, 2015, .	3.5	7
29	On some properties of positive solutions for a third-order three-point boundary value problem with a parameter. Advances in Difference Equations, 2017, 2017, .	3.5	7
30	Properties of positive solutions for m-point fractional differential equations on an infinite interval. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2019, 113, 1289-1298.	0.6	7
31	Unique Solutions for Fractional q-Difference Boundary Value Problems Via a Fixed Point Method. Bulletin of the Malaysian Mathematical Sciences Society, 2019, 42, 1507-1521.	0.4	7
32	Existence of bound state solutions for the generalized Chernâ€“Simonsâ€“SchrÃ¶dinger system in $H^1(\mathbb{R}^2)$. Applied Mathematics Letters, 2020, 100, 106028.	1.1	7
33	Stability analysis for generalized fractional differential systems and applications. Chaos, Solitons and Fractals, 2020, 139, 110009.	2.5	7
34	Multi-point boundary value problems for a coupled system of nonlinear fractional differential equations. Advances in Difference Equations, 2015, 2015, .	3.5	6
35	Optimal Control Problem of Positive Solutions to Second Order Impulsive Differential Equations. Zeitschrift Fur Analysis Und Ihre Anwendung, 2012, 31, 237-250.	0.8	5
36	Uniqueness of positive solutions for several classes of sum operator equations and applications. Journal of Inequalities and Applications, 2014, 2014, .	0.5	5

#	ARTICLE	IF	CITATIONS
37	Approximating Monotone Positive Solutions of a Nonlinear Fourth-Order Boundary Value Problem via Sum Operator Method. <i>Mediterranean Journal of Mathematics</i> , 2017, 14, 1.	0.4	5
38	Stability analysis of generalized neutral fractional differential systems with time delays. <i>Applied Mathematics Letters</i> , 2021, 116, 106987.	1.5	5
39	Some properties of sets, fixed point theorems in ordered product spaces and applications to a nonlinear system of fractional differential equations. <i>Topological Methods in Nonlinear Analysis</i> , 2017, 49, 1.	0.2	5
40	Existence and uniqueness of convex monotone positive solutions for boundary value problems of an elastic beam equation with a parameter. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2015, , 1-11.	0.2	5
41	Application of Schauder fixed point theorem to a coupled system of differential equations of fractional order. <i>Journal of Nonlinear Science and Applications</i> , 2014, 07, 131-137.	0.4	5
42	The unique positive solution for fractional integro-differential equations on infinite intervals. <i>ScienceAsia</i> , 2018, 44, 118.	0.2	5
43	Unique solutions for new fractional differential equations with p-Laplacian and infinite-point boundary conditions. <i>International Journal of Dynamical Systems and Differential Equations</i> , 2019, 9, 1.	0.2	5
44	Fixed point theorems for a class of mixed monotone operators with convexity. <i>Fixed Point Theory and Applications</i> , 2013, 2013, .	1.1	4
45	Unique positive solution for a p -Laplacian fractional differential boundary value problem involving Riemann-Stieltjes integral. <i>AIMS Mathematics</i> , 2020, 5, 4754-4769.	0.7	4
46	Solvability for p -Laplacian generalized fractional coupled systems with two-sided memory effects. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 8797-8822.	1.2	3
47	Unique solution for a new system of fractional differential equations. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	3
48	Two nontrivial solutions for a nonhomogeneous fractional Schrödinger-Poisson equation in \mathbb{R}^3 . <i>Boundary Value Problems</i> , 2020, 2020, .	0.3	3
49	Positive Solutions of a Nonlinear Parabolic Partial Differential Equation. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-6.	0.3	2
50	Solutions to fractional differential equations involving integral boundary conditions. <i>Integral Transforms and Special Functions</i> , 2020, 31, 506-518.	0.8	2
51	Solvability for Two Forms of Nonlinear Matrix Equations. <i>Bulletin of the Iranian Mathematical Society</i> , 2021, 47, 1107-1120.	0.4	2
52	Solutions to a gauged Schrödinger equation with concave-convex nonlinearities without (AR) condition. <i>Applicable Analysis</i> , 2021, 100, 1286-1300.	0.6	2
53	An Integral Boundary Value Problem of Fractional Differential Equations with a Sign-Changed Parameter in Banach Spaces. <i>Complexity</i> , 2021, 2021, 1-10.	0.9	2
54	Existence and uniqueness of positive solutions for Neumann problems of second order impulsive differential equations. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2010, , 1-9.	0.2	2

#	ARTICLE	IF	CITATIONS
55	Existence and Uniqueness Results for Perturbed Neumann Boundary Value Problems. <i>Boundary Value Problems</i> , 2010, 2010, 494210.	0.3	1
56	Unique solutions for new fractional differential equations with p-Laplacian and infinite-point boundary conditions. <i>International Journal of Dynamical Systems and Differential Equations</i> , 2019, 9, 1.	0.2	1
57	Some extension results on cone b-metric spaces over Banach algebras via φ -operator. <i>Journal of Analysis</i> , 2021, 29, 281-295.	0.3	1
58	On the nonlinear matrix equation $Xp=A+\hat{i}=1mMi\hat{a}-(B+X\hat{a}^1)\hat{a}^1Mi$. <i>Linear and Multilinear Algebra</i> , 2022, 70, 4467-4482.	0.5	1
59	Some Uniqueness Results for Langevin Equations Involving Two Fractional Orders. <i>Annals of Pure and Applied Mathematics</i> , 2018, 17, 43-56.	0.1	1
60	A novel fixed point theorem and its applications. <i>Acta Mathematica Scientia</i> , 2007, 27, 413-420.	0.5	0
61	A surjection theorem and a fixed point theorem for a class of positive operators. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 337, 976-983.	0.5	0
62	Multiple positive solutions of three-point boundary value problem for differential equations with an advanced argument. <i>International Journal of Dynamical Systems and Differential Equations</i> , 2009, 2, 313.	0.2	0
63	A Mixed Monotone Operator Method for the Existence and Uniqueness of Positive Solutions to Impulsive Caputo Fractional Differential Equations. <i>Discrete Dynamics in Nature and Society</i> , 2013, 2013, 1-8.	0.5	0
64	Some New Existence and Uniqueness Results for an Integral Boundary Value Problem of Caputo Fractional Differential Equations. <i>Discrete Dynamics in Nature and Society</i> , 2017, 2017, 1-11.	0.5	0
65	Unique Solution for Multi-point Fractional Integro-Differential Equations. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2020, 21, 219-226.	0.4	0
66	Investigation of positive definite solution of nonlinear matrix equation $X^p=Q+\sum_{i=1}^m A_i X^{\delta} A_i$. <i>Computational and Applied Mathematics</i> , 2021, 40, 1.	1.0	0
67	Existence results for a fractional Schrödinger-Poisson equation with concave-convex nonlinearity in \mathbb{R}^3 . <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 1752-1766.	1.2	0
68	Existence and uniqueness of periodic solutions for a system of differential equations via operator methods. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	0