

Chengbo Zhai

List of Publications by Year in descending order

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68
papers

1,010
citations

471061

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454577

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docs citations

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times ranked

447
citing authors

#	ARTICLE	IF	CITATIONS
1	On the nonlinear matrix equation $Xp=A+\hat{\alpha}^{-1}mMi\hat{\alpha}^{-1}(B+X\hat{\alpha}^{-1})\hat{\alpha}^{-1}Mi$. Linear and Multilinear Algebra, 2022, 70, 4467-4482.	0.5	1
2	Existence results for a fractional Schrödinger-Poisson equation with concave-convex nonlinearity in \mathbb{R}^3 . Mathematical Methods in the Applied Sciences, 2022, 45, 1752-1766.	1.2	0
3	Solvability for Two Forms of Nonlinear Matrix Equations. Bulletin of the Iranian Mathematical Society, 2021, 47, 1107-1120.	0.4	2
4	Some extension results on cone b-metric spaces over Banach algebras via φ -operator. Journal of Analysis, 2021, 29, 281-295.	0.3	1
5	Solutions to a gauged Schrödinger equation with concave-convex nonlinearities without (AR) condition. Applicable Analysis, 2021, 100, 1286-1300.	0.6	2
6	An Integral Boundary Value Problem of Fractional Differential Equations with a Sign-Changed Parameter in Banach Spaces. Complexity, 2021, 2021, 1-10.	0.9	2
7	Investigation of positive definite solution of nonlinear matrix equation $X^p=Q+\sum_{i=1}^m A_i^* X^{\delta} A_i$. Computational and Applied Mathematics, 2021, 40, 1.	1.0	0
8	Stability analysis of generalized neutral fractional differential systems with time delays. Applied Mathematics Letters, 2021, 116, 106987.	1.5	5
9	Solutions for a System of Hadamard Fractional Differential Equations with Integral Conditions. Numerical Functional Analysis and Optimization, 2020, 41, 209-229.	0.6	17
10	Existence of bound state solutions for the generalized Chern-Simons-Schrödinger system in \mathbb{R}^d . Applied Mathematics Letters, 2020, 100, 106028.	1.5	1
11	Solutions to fractional differential equations involving integral boundary conditions. Integral Transforms and Special Functions, 2020, 31, 506-518.	0.8	2
12	Stability analysis for generalized fractional differential systems and applications. Chaos, Solitons and Fractals, 2020, 139, 110009.	2.5	7
13	Solvability for Δ -Laplacian generalized fractional coupled systems with two-sided memory effects. Mathematical Methods in the Applied Sciences, 2020, 43, 8797-8822.	1.2	3
14	Unique Solution for Multi-point Fractional Integro-Differential Equations. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, 21, 219-226.	0.4	0
15	Unique positive solution for a p -Laplacian fractional differential boundary value problem involving Riemann-Stieltjes integral. AIMS Mathematics, 2020, 5, 4754-4769.	0.7	4
16	Existence and uniqueness of periodic solutions for a system of differential equations via operator methods. Advances in Difference Equations, 2020, 2020, .	3.5	0
17	Two nontrivial solutions for a nonhomogeneous fractional Schrödinger-Poisson equation in \mathbb{R}^3 . Boundary Value Problems, 2020, 2020, .	0.3	3
18	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

#	ARTICLE	IF	CITATIONS
19	Positive solutions for a new class of Hadamard fractional differential equations on infinite intervals. <i>Journal of Inequalities and Applications</i> , 2019, 2019, .	0.5	8
20	A coupled system of fractional differential equations on the half-line. <i>Boundary Value Problems</i> , 2019, 2019, .	0.3	9
21	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
22	Unique Solutions for Fractional q-Difference Boundary Value Problems Via a Fixed Point Method. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2019, 42, 1507-1521.	0.4	7
23	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
24	Unique solution for a new system of fractional differential equations. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	3
25	The unique solution for a fractional $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml1" display="inline" overflow="scroll" altimg="si1.gif"} \rangle \langle \text{mml:mi} \rangle q \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -difference equation with three-point boundary conditions. <i>Indagationes Mathematicae</i> , 2018, 29, 948-961.	0.2	28
26	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
27	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
28	Nonnegative Solutions of Initial Value Problems for Langevin Equations Involving Two Fractional Orders. <i>Mediterranean Journal of Mathematics</i> , 2018, 15, 1.	0.4	16
29	Unique solutions for a new coupled system of fractional differential equations. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	195
30	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
31	The unique positive solution for fractional integro-differential equations on infinite intervals. <i>ScienceAsia</i> , 2018, 44, 118.	0.2	5
32	\tilde{H}^{α} (h,e)-concave operators and applications. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 454, 571-584.	0.5	38
33	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
34	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
35	On some properties of positive solutions for a third-order three-point boundary value problem with a parameter. <i>Advances in Difference Equations</i> , 2017, 2017, .	3.5	7
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
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 positive solutions for a class of fractional differential equation with integral boundary conditions. <i>Nonlinear Analysis: Modelling and Control</i> , 2017, 22, 160-172.	1.1	9
41	Some existence, uniqueness results on positive solutions for a fractional differential equation with infinite-point boundary conditions. <i>Nonlinear Analysis: Modelling and Control</i> , 2017, 22, 566-577.	1.1	10
42	New existence and uniqueness results for an elastic beam equation with nonlinear boundary conditions. <i>Boundary Value Problems</i> , 2015, 2015, .	0.3	12
43	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
44	Multi-point boundary value problems for a coupled system of nonlinear fractional differential equations. <i>Advances in Difference Equations</i> , 2015, 2015, .	3.5	6
45	Existence and uniqueness of positive periodic solutions for a first-order functional differential equation. <i>Advances in Difference Equations</i> , 2015, 2015, .	3.5	7
46	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
47	Positive Solutions of a Nonlinear Parabolic Partial Differential Equation. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-6.	0.3	2
48	Uniqueness of positive solutions for several classes of sum operator equations and applications. <i>Journal of Inequalities and Applications</i> , 2014, 2014, .	0.5	5
49	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
50	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
51	Fixed point theorems for a class of mixed monotone operators with convexity. <i>Fixed Point Theory and Applications</i> , 2013, 2013, .	1.1	4
52	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
53	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
54	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

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55	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
56	Fixed point theorems for mixed monotone operators with perturbation and applications to fractional differential equation boundary value problems. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 2542-2551.	0.6	75
57	The existence and the uniqueness of symmetric positive solutions for a fourth-order boundary value problem. Computers and Mathematics With Applications, 2011, 62, 2639-2647.	1.4	23
58	A sum operator equation and applications to nonlinear elastic beam equations and Laneâ€Emdenâ€Fowler equations. Journal of Mathematical Analysis and Applications, 2011, 375, 388-400.	0.5	37
59	New fixed point theorems for mixed monotone operators and local existenceâ€uniqueness of positive solutions for nonlinear boundary value problems. Journal of Mathematical Analysis and Applications, 2011, 382, 594-614.	0.5	48
60	An existence and uniqueness result for the singular Laneâ€Emdenâ€Fowler equation. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 1275-1279.	0.6	8
61	Existence and Uniqueness Results for Perturbed Neumann Boundary Value Problems. Boundary Value Problems, 2010, 2010, 494210.	0.3	1
62	Existence and uniqueness of positive solutions for Neumann problems of second order impulsive differential equations. Electronic Journal of Qualitative Theory of Differential Equations, 2010, , 1-9.	0.2	2
63	Positive solutions for semi-positone three-point boundary value problems. Journal of Computational and Applied Mathematics, 2009, 228, 279-286.	1.1	9
64	Multiple positive solutions of three-point boundary value problem for differential equations with an advanced argument. International Journal of Dynamical Systems and Differential Equations, 2009, 2, 313.	0.2	0
65	A surjection theorem and a fixed point theorem for a class of positive operators. Journal of Mathematical Analysis and Applications, 2008, 337, 976-983.	0.5	0
66	A novel fixed point theorem and its applications. Acta Mathematica Scientia, 2007, 27, 413-420.	0.5	0
67	Positive solutions of the three-point boundary value problem for second order differential equations with an advanced argument. Nonlinear Analysis: Theory, Methods & Applications, 2006, 65, 2013-2023.	0.6	40
68	On $\hat{\pm}$ -convex operators. Journal of Mathematical Analysis and Applications, 2006, 316, 556-565.	0.5	18