

Joshua L Padgett

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

89
citations

1684188

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h-index

1474206

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g-index

16
all docs

16
docs citations

16
times ranked

54
citing authors

#	ARTICLE	IF	CITATIONS
1	Object classification in analytical chemistry via data-driven discovery of partial differential equations. Computational and Mathematical Methods, 2021, 3, e1164.	0.8	2
2	Fractional Laplacian spectral approach to turbulence in a dusty plasma monolayer. Physics of Plasmas, 2021, 28, .	1.9	4
3	A series representation of the discrete fractional Laplace operator of arbitrary order. Journal of Mathematical Analysis and Applications, 2021, 504, 125323.	1.0	1
4	Intrinsic Properties of Strongly Continuous Fractional Semigroups in Normed Vector Spaces. Operator Theory: Advances and Applications, 2021, , 265-279.	0.2	0
5	Analysis of an approximation to a fractional extension problem. BIT Numerical Mathematics, 2020, 60, 715-739.	2.0	4
6	Anomalous diffusion in one-dimensional disordered systems: a discrete fractional Laplacian method. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 135205.	2.1	14
7	Numerical study of anomalous diffusion of light in semicrystalline polymer structures. Physical Review Research, 2020, 2, .	3.6	6
8	Convergence of an Operator Splitting Scheme for Abstract Stochastic Evolution Equations. Advances in Mechanics and Mathematics, 2019, , 163-179.	0.7	3
9	A variable nonlinear splitting algorithm for reaction diffusion systems with self- and cross-diffusion. Numerical Methods for Partial Differential Equations, 2019, 35, 597-614.	3.6	3
10	Numerical solution of degenerate stochastic Kawarada equations via a semi-discretized approach. Applied Mathematics and Computation, 2018, 325, 210-226.	2.2	13
11	The quenching of solutions to time-space fractional Kawarada problems. Computers and Mathematics With Applications, 2018, 76, 1583-1592.	2.7	12
12	Nonuniform Crank-Nicolson scheme for solving the stochastic Kawarada equation via arbitrary grids. Numerical Methods for Partial Differential Equations, 2017, 33, 1305-1328.	3.6	7
13	A nonlinear splitting algorithm for systems of partial differential equations with self-diffusion. Journal of Computational and Applied Mathematics, 2017, 321, 8-25.	2.0	2
14	Delocalization in infinite disordered two-dimensional lattices of different geometry. Physical Review B, 2017, 96, .	3.2	5
15	On the positivity, monotonicity, and stability of a semi-adaptive LOD method for solving three-dimensional degenerate Kawarada equations. Journal of Mathematical Analysis and Applications, 2016, 439, 465-480.	1.0	8