Joshua L Padgett

List of Publications by Year
in descending order

15 papers	89 citations	1684188 5 h-index	1474206 9 g-index
16 all docs	16 docs citations	16 times ranked	54 citing authors

#	Article	IF	Citations
1	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
2	Numerical solution of degenerate stochastic Kawarada equations via a semi-discretized approach. Applied Mathematics and Computation, 2018, 325, 210-226.	2.2	13
3	The quenching of solutions to time–space fractional Kawarada problems. Computers and Mathematics With Applications, 2018, 76, 1583-1592.	2.7	12
4	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
5	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
6	Numerical study of anomalous diffusion of light in semicrystalline polymer structures. Physical Review Research, 2020, 2, .	3.6	6
7	Delocalization in infinite disordered two-dimensional lattices of different geometry. Physical Review B, 2017, 96, .	3.2	5
8	Analysis of an approximation to a fractional extension problem. BIT Numerical Mathematics, 2020, 60, 715-739.	2.0	4
9	Fractional Laplacian spectral approach to turbulence in a dusty plasma monolayer. Physics of Plasmas, 2021, 28, .	1.9	4
10	Convergence of an Operator Splitting Scheme for Abstract Stochastic Evolution Equations. Advances in Mechanics and Mathematics, 2019, , 163-179.	0.7	3
11	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
12	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
13	Object classification in analytical chemistry via data–driven discovery of partial differential equations. Computational and Mathematical Methods, 2021, 3, e1164.	0.8	2
14	A series representation of the discrete fractional Laplace operator of arbitrary order. Journal of Mathematical Analysis and Applications, 2021, 504, 125323.	1.0	1
15	Intrinsic Properties of Strongly Continuous Fractional Semigroups in Normed Vector Spaces. Operator Theory: Advances and Applications, 2021, , 265-279.	0.2	0