Arran Fernandez

List of Publications by Year
in descending order

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57	1,615	331259	301761
papers	citations	21 h-index	39 g-index

59	59	59	812
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On Laplace transforms with respect to functions and their applications to fractional differential equations. Mathematical Methods in the Applied Sciences, 2023, 46, 8304-8323.	1.2	30
2	On the fractional calculus of multivariate Mittag-Leffler functions. International Journal of Computer Mathematics, 2022, 99, 247-273.	1.0	11
3	Lipschitz and Fourier type conditions with moduli of continuity in rank 1 symmetric spaces. Monatshefte Fur Mathematik, 2022, 197, 353-364.	0.5	1
4	Linear differential equations with variable coefficients and Mittag-Leffler kernels. AEJ - Alexandria Engineering Journal, 2022, 61, 4757-4763.	3.4	6
5	A catalogue of semigroup properties for integral operators with Foxâ€“Wright kernel functions. Studies in Applied Mathematics, 2022, 148, 1477-1518.	1.1	4
6	Solving Prabhakar differential equations using MikusiÅ„skiâ€™s operational calculus. Computational and Applied Mathematics, 2022, 41, 1.	1.0	4
7	MikusiÅ„ski's operational calculus for Prabhakar fractional calculus. Integral Transforms and Special Functions, 2022, 33, 945-965.	0.8	7
8	Weighted Fractional Calculus: A General Class of Operators. Fractal and Fractional, 2022, 6, 208.	1.6	17
9	MikusiÅ„skiâ€™s Operational Calculus Applied inÂGeneral Classes ofÂFractional Calculus. Lecture Notes in Networks and Systems, 2022, , 171-176.	0.5	0
10	On tempered fractional calculus with respect to functions and the associated fractional differential equations. Mathematical Methods in the Applied Sciences, 2022, 45, 11134-11157.	1.2	14
11	On the importance of conjugation relations in fractional calculus. Computational and Applied Mathematics, 2022, 41, .	1.0	5
12	On linear fractional differential equationsÂwith variable coefficients. Applied Mathematics and Computation, 2022, 432, 127370.	1.4	2
13	On a certain bivariate Mittagâ€Leffler function analysed from a fractionalâ€calculus point of view. Mathematical Methods in the Applied Sciences, 2021, 44, 2600-2620.	1.2	9
14	Fractionalisation of complex d-bar derivatives. Complex Variables and Elliptic Equations, 2021, 66, 437-475.	0.4	4
15	Explicit analytical solutions of incommensurate fractional differential equation systems. Applied Mathematics and Computation, 2021, 390, 125590.	1.4	22
16	A complex analysis approach to Atanganaâ€“Baleanu fractional calculus. Mathematical Methods in the Applied Sciences, 2021, 44, 8070-8087.	1.2	30
17	Hermiteâ€Hadamard inequalities in fractional calculus defined using Mittagâ€Leffler kernels. Mathematical Methods in the Applied Sciences, 2021, 44, 8414-8431.	1.2	73
18	Classes of operators in fractional calculus: A case study. Mathematical Methods in the Applied Sciences, 2021, 44, 9143-9162.	1.2	33

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19	Operational Calculus for the Riemannâ€“Liouville Fractional Derivative with Respect to a Function and its Applications. Fractional Calculus and Applied Analysis, 2021, 24, 518-540.	1.2	19
20	On a Five-Parameter Mittag-Leffler Function and the Corresponding Bivariate Fractional Operators. Fractal and Fractional, 2021, 5, 45.	1.6	9
21	Characterising Extended Lipschitz Type Conditions with Moduli of Continuity. Results in Mathematics, 2021, 76, 1.	0.4	2
22	Balance equations with generalised memory and the emerging fractional kernels. Nonlinear Dynamics, 2021, 104, 4149.	2.7	5
23	Solving a well-posed fractional initial value problem by a complex approach. Fixed Point Theory and Algorithms for Sciences and Engineering, 2021, 2021, .	0.2	1
24	On the analytical development of incomplete Riemannâ€“Liouville fractional calculus. Turkish Journal of Mathematics, 2021, 45, 1418-1443.	0.3	4
25	Tempered and Hadamard-Type Fractional Calculus with Respect to Functions. Mediterranean Journal of Mathematics, 2021, 18, 1.	0.4	33
26	Trivariate Mittag-Leffler functions used to solve multi-order systems of fractional differential equations. Communications in Nonlinear Science and Numerical Simulation, 2021, 97, 105735.	1.7	31
27	On nonâ€instantaneous impulsive fractional differential equations and their equivalent integral equations. Mathematical Methods in the Applied Sciences, 2021, 44, 13979-13988.	1.2	5
28	Fractional differential relations for the Lerch zeta function. Archiv Der Mathematik, 2021, 117, 515-527.	0.3	1
29	On fractional calculus with analytic kernels with respect to functions. Computational and Applied Mathematics, 2021, 40, 1.	1.0	8
30	Operational calculus for Caputo fractional calculus with respect to functions and the associated fractional differential equations. Applied Mathematics and Computation, 2021, 409, 126400.	1.4	28
31	Editorial for Special Issue â€œFractional Calculus and Special Functions with Applicationsâ€• Fractal and Fractional, 2021, 5, 224.	1.6	0
32	On some analytic properties of tempered fractional calculus. Journal of Computational and Applied Mathematics, 2020, 366, 112400.	1.1	42
33	Modified Mittag-Leffler Functions with Applications in Complex Formulae for Fractional Calculus. Fractal and Fractional, 2020, 4, 45.	1.6	11
34	A naturally emerging bivariate Mittag-Leffler function and associated fractional-calculus operators. Computational and Applied Mathematics, 2020, 39, 1.	1.0	45
35	Brownian Motion on Cantor Sets. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, 21, 275-281.	0.4	2
36	On a Fractional Operator Combining Proportional and Classical Differintegrals. Mathematics, 2020, 8, 360.	1.1	193

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37	Relations between fractional models with three-parameter Mittag-Leffler kernels. Advances in Difference Equations, 2020, 2020, .	3.5	19
38	Well-posedness results for fractional semi-linear wave equations. Discrete and Continuous Dynamical Systems - Series B, 2020, 25, 569-597.	0.5	7
39	Series representations for fractional-calculus operators involving generalised Mittag-Leffler functions. Communications in Nonlinear Science and Numerical Simulation, 2019, 67, 517-527.	1.7	114
40	Random Variables and Stable Distributions on Fractal Cantor Sets. Fractal and Fractional, 2019, 3, 31.	1.6	26
41	On Fractional Operators and Their Classifications. Mathematics, 2019, 7, 830.	1.1	147
42	On a New Class of Fractional Difference-Sum Operators with Discrete Mittag-Leffler Kernels. Mathematics, 2019, 7, 772.	1.1	10
43	Some New Fractional-Calculus Connections between Mittagâ€“Leffler Functions. Mathematics, 2019, 7, 485.	1.1	35
44	On fractional calculus with general analytic kernels. Applied Mathematics and Computation, 2019, 354, 248-265.	1.4	130
45	On a new definition of fractional differintegrals with Mittag-Leffer kernel. Filomat, 2019, 33, 245-254.	0.2	13
46	Uniform asymptotics as a stationary point approaches an endpoint. IMA Journal of Applied Mathematics, 2018, 83, 204-242.	0.8	1
47	An elliptic regularity theorem for fractional partial differential operators. Computational and Applied Mathematics, 2018, 37, 5542-5553.	1.3	7
48	The mean value theorem and Taylorâ€™s theorem for fractional derivatives with Mittagâ€“Leffler kernel. Advances in Difference Equations, 2018, 2018, 86.	3.5	31
49	On some new properties of fractional derivatives with Mittag-Leffler kernel. Communications in Nonlinear Science and Numerical Simulation, 2018, 59, 444-462.	1.7	237
50	Differintegration with Respect to Functions in Fractional Models Involving Mittag-Leffler Functions. SSRN Electronic Journal, 2018, , .	0.4	12
51	Fractal Calculus of Functions on Cantor Tartan Spaces. Fractal and Fractional, 2018, 2, 30.	1.6	25
52	Interior Regularity Estimates for a Degenerate Elliptic Equation with Mixed Boundary Conditions. Axioms, 2018, 7, 65.	0.9	2
53	Diffusion on Middle-Î¾ Cantor Sets. Entropy, 2018, 20, 504.	1.1	28
54	Asymptotics to all orders of the Hurwitz zeta function. Journal of Mathematical Analysis and Applications, 2018, 465, 423-458.	0.5	5

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55	Solving PDEs of fractional order using the unified transform method. Applied Mathematics and Computation, 2018, 339, 738-749.	1.4	38
56	A generalisation of the Malgrangeâ€“Ehrenpreis theorem to find fundamental solutions to fractional PDEs. Electronic Journal of Qualitative Theory of Differential Equations, 2017, , 1-12.	0.2	8
57	The Lerch zeta function as a fractional derivative. Banach Center Publications, 0, 118, 113-124.	0.1	4