Pshtiwan Mohammed

List of Publications by Citations

90 papers	1,066 citations	18 h-index	26 g-index
100 ext. papers	1,412 ext. citations	2.4 avg, IF	6.42 L-index

#	Paper	IF	Citations
90	Hermite-Hadamard inequalities in fractional calculus defined using Mittag-Leffler kernels. *Mathematical Methods in the Applied Sciences*, **2021**, 44, 8414-8431	2.3	47
89	On the Generalized Hermite–Hadamard Inequalities via the Tempered Fractional Integrals. *Symmetry*, **2020**, 12, 595	2.7	45
88	A New Version of the Hermite–Hadamard Inequality for Riemann–Liouville Fractional Integrals. *Symmetry*, **2020**, 12, 610	2.7	42
87	On generalized fractional integral inequalities for twice differentiable convex functions. *Journal of Computational and Applied Mathematics*, **2020**, 372, 112740	2.4	40
86	Hermite-Hadamard inequalities for Riemann-Liouville fractional integrals of a convex function with respect to a monotone function. *Mathematical Methods in the Applied Sciences*, **2021**, 44, 2314-2324	2.3	35
85	Modification of certain fractional integral inequalities for convex functions. *Advances in Difference Equations*, **2020**, 2020,	3.6	34
84	New Hermite–Hadamard Inequalities in Fuzzy-Interval Fractional Calculus and Related Inequalities. *Symmetry*, **2021**, 13, 673	2.7	34
83	Generalized fractional integral inequalities of Hermite-Hadamard-type for a convex function. *Open Mathematics*, **2020**, 18, 794-806	0.8	33
82	Hermite-Hadamard type inequalities for -convex function involving fractional integrals. *Journal of Inequalities and Applications*, **2018**, 2018, 359	2.1	29
81	Some new Hermite-Hadamard type inequalities for MT -convex functions on differentiable coordinates. *Journal of King Saud University - Science*, **2018**, 30, 258-262	3.6	28
80	Integral inequalities for a fractional operator of a function with respect to another function with nonsingular kernel. *Advances in Difference Equations*, **2020**, 2020,	3.6	27
79	Generalized fractional integral inequalities of Hermite–Hadamard type for ${(alpha,m)}$-convex functions. *Journal of Inequalities and Applications*, **2019**, 2019,	2.1	26
78	Harmonically Convex Fuzzy-Interval-Valued Functions and Fuzzy-Interval Riemann–Liouville Fractional Integral Inequalities. *International Journal of Computational Intelligence Systems*, **2021**, 14, 1809	3.4	24
77	Midpoint Inequalities in Fractional Calculus Defined Using Positive Weighted Symmetry Function Kernels. *Symmetry*, **2021**, 13, 550	2.7	23
76	Fractional Hermite-Hadamard Integral Inequalities for a New Class of Convex Functions. *Symmetry*, **2020**, 12, 1485	2.7	22
75	Fuzzy integral inequalities on coordinates of convex fuzzy interval-valued functions. *Mathematical Biosciences and Engineering*, **2021**, 18, 6552-6580	2.1	21
74	Some New Fractional Estimates of Inequalities for LR-p-Convex Interval-Valued Functions by Means of Pseudo Order Relation. *Axioms*, **2021**, 10, 175	1.6	20

73	New fuzzy-interval inequalities in fuzzy-interval fractional calculus by means of fuzzy order relation. *AIMS Mathematics*, **2021**, 6, 10964-10988	2.2	20
72	Inequalities of trapezoidal type involving generalized fractional integrals. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 2975-2984	6.1	17
71	New discrete inequalities of Hermite–Hadamard type for convex functions. *Advances in Difference Equations*, **2021**, 2021,	3.6	17
70	New Conformable Fractional Integral Inequalities of Hermite–Hadamard Type for Convex Functions. *Symmetry*, **2019**, 11, 263	2.7	16
69	Fractional Hermite–Hadamard–Fejer Inequalities for a Convex Function with Respect to an Increasing Function Involving a Positive Weighted Symmetric Function. *Symmetry*, **2020**, 12, 1503	2.7	16
68	New integral inequalities for preinvex functions via generalized beta function. *Journal of Interdisciplinary Mathematics*, **2019**, 22, 539-549	1.2	15
67	On New Trapezoid Type Inequalities for h-convex Functions via Generalized Fractional Integral. *Turkish Journal of Analysis and Number Theory*, **2018**, 6, 125-128	1	15
66	Simpson's Integral Inequalities for Twice Differentiable Convex Functions. *Mathematical Problems in Engineering*, **2020**, 2020, 1-15	1.1	15
65	On Riemann–Liouville and Caputo Fractional Forward Difference Monotonicity Analysis. *Mathematics*, **2021**, 9, 1303	2.3	15
64	Existence and Uniqueness of Uncertain Fractional Backward Difference Equations of Riemann–Liouville Type. *Mathematical Problems in Engineering*, **2020**, 2020, 1-8	1.1	14
63	New Modified Conformable Fractional Integral Inequalities of Hermite–Hadamard Type with Applications. *Journal of Function Spaces*, **2020**, 2020, 1-14	0.8	14
62	Opial integral inequalities for generalized fractional operators with nonsingular kernel. *Journal of Inequalities and Applications*, **2020**, 2020,	2.1	13
61	New fractional inequalities of Hermite–Hadamard type involving the incomplete gamma functions. *Journal of Inequalities and Applications*, **2020**, 2020,	2.1	13
60	Some modifications in conformable fractional integral inequalities. *Advances in Difference Equations* , **2020**, 2020,	3.6	13
59	Non-Conformable Fractional Laplace Transform. *Kragujevac Journal of Mathematics*, **2022**, 46, 341-354	0.7	13
58	Some weighted Simpson type inequalities for differentiable s-convex functions and their applications **2020**, 1, 75-94		12
57	Discrete generalized fractional operators defined using h-discrete Mittag-Leffler kernels and applications to AB fractional difference systems. *Mathematical Methods in the Applied Sciences*, **2020**,	2.3	11
56	On Convexity, Monotonicity and Positivity Analysis for Discrete Fractional Operators Defined Using Exponential Kernels. *Fractal and Fractional*, **2022**, 6, 55	3	11

55	A Generalized Uncertain Fractional Forward Difference Equations of Riemann-Liouville Type. *Journal of Mathematics Research*, **2019**, 11, 43	2.1	11
54	Certain Inequalities Pertaining to Some New Generalized Fractional Integral Operators. *Fractal and Fractional*, **2021**, 5, 160	3	11
53	On Discrete Delta Caputo–Fabrizio Fractional Operators and Monotonicity Analysis. *Fractal and Fractional*, **2021**, 5, 116	3	11
52	A Correlation Between Solutions of Uncertain Fractional Forward Difference Equations and Their Paths. *Frontiers in Physics*, **2020**, 8,	3.9	10
51	General Raina fractional integral inequalities on coordinates of convex functions. *Advances in Difference Equations*, **2021**, 2021,	3.6	10
50	Some Integral Inequalities for Generalized Convex Fuzzy-Interval-Valued Functions via Fuzzy Riemann Integrals. *International Journal of Computational Intelligence Systems*, **2021**, 14,	3.4	9
49	Integral Inequalities for Generalized Harmonically Convex Functions in Fuzzy-Interval-Valued Settings. *Symmetry*, **2021**, 13, 2352	2.7	9
48	Solution of Singular Integral Equations via Riemann–Liouville Fractional Integrals. *Mathematical Problems in Engineering*, **2020**, 2020, 1-8	1.1	9
47	Difference monotonicity analysis on discrete fractional operators with discrete generalized Mittag-Leffler kernels. *Advances in Difference Equations*, **2021**, 2021,	3.6	9
46	Adomian Decomposition and Fractional Power Series Solution of a Class of Nonlinear Fractional Differential Equations. *Mathematics*, **2021**, 9, 1070	2.3	9
45	Hermite–Hadamard integral inequalities on coordinated convex functions in quantum calculus. *Advances in Difference Equations*, **2021**, 2021,	3.6	9
44	New Chebyshev type inequalities via a general family of fractional integral operators with a modified Mittag-Leffler kernel. *AIMS Mathematics*, **2021**, 6, 11167-11186	2.2	9
43	On a new type of fractional difference operators on h-step isolated time scales **2020**, 1, 46-74		8
42	Some new Jensen, Schur and Hermite-Hadamard inequalities for log convex fuzzy interval-valued functions. *AIMS Mathematics*, **2022**, 7, 4338-4358	2.2	7
41	Integral inequalities of Hermite-Hadamard type for quasi-convex functions with applications. *AIMS Mathematics*, **2020**, 5, 7316-7331	2.2	7
40	Fuzzy Mixed Variational-like and Integral Inequalities for Strongly Preinvex Fuzzy Mappings. *Symmetry*, **2021**, 13, 1816	2.7	7
39	Fuzzy-interval inequalities for generalized convex fuzzy-interval-valued functions via fuzzy Riemann integrals. *AIMS Mathematics*, **2021**, 7, 1507-1535	2.2	7
38	New generalized Riemann-Liouville fractional integral inequalities for convex functions. *Journal of Mathematical Inequalities*, **2021**, 511-519	2.6	7

37	Existence and uniqueness of a class of uncertain Liouville-Caputo fractional difference equations. *Journal of King Saud University - Science*, **2021**, 33, 101497	3.6	7
36	New Fractional Integral Inequalities for Convex Functions Pertaining to Caputo□abrizio Operator. *Fractal and Fractional*, **2022**, 6, 171	3	7
35	Hermite□adamard Type Inequalities for Interval-Valued Preinvex Functions via Fractional Integral Operators. *International Journal of Computational Intelligence Systems*, **2022**, 15, 1	3.4	6
34	Fuzzy-interval inequalities for generalized preinvex fuzzy interval valued functions.. *Mathematical Biosciences and Engineering*, **2022**, 19, 812-835	2.1	6
33	Some Higher-Degree Lacunary Fractional Splines in the Approximation of Fractional Differential Equations. *Symmetry*, **2021**, 13, 422	2.7	6
32	On Iterative Methods for Solving Nonlinear Equations in Quantum Calculus. *Fractal and Fractional*, **2021**, 5, 60	3	6
31	On inequalities of Hermite-Hadamard-Mercer type involving Riemann-Liouville fractional integrals. *AIMS Mathematics*, **2021**, 6, 712-725	2.2	6
30	Some new versions of integral inequalities for log-preinvex fuzzy-interval-valued functions through fuzzy order relation. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 7089-7101	6.1	5
29	Some Generalizations of Opial Type Inequalities,. *Applied Mathematics and Information Sciences*, **2020**, 14, 809-816	2.4	5
28	Computational Method for Fractional Differential Equations Using Nonpolynomial Fractional Spline. *Mathematical Sciences Letters*, **2016**, 5, 131-136	4	5
27	New Simpson Type Integral Inequalities for s -Convex Functions and Their Applications. *Mathematical Problems in Engineering*, **2020**, 2020, 1-12	1.1	5
26	Fractional Integral Inequalities for Exponentially Nonconvex Functions and Their Applications. *Fractal and Fractional*, **2021**, 5, 80	3	5
25	New classifications of monotonicity investigation for discrete operators with Mittag-Leffler kernel.. *Mathematical Biosciences and Engineering*, **2022**, 19, 4062-4074	2.1	5
24	Fractional Weighted Ostrowski-Type Inequalities and Their Applications. *Symmetry*, **2021**, 13, 968	2.7	4
23	On positivity and monotonicity analysis for discrete fractional operators with discrete Mittag□effler kernel. *Mathematical Methods in the Applied Sciences*,	2.3	4
22	Computational Non-Polynomial Spline Function for Solving Fractional Bagely-Torvik Equatio. *Mathematical Sciences Letters*, **2017**, 6, 83-87	4	3
21	Link theorem and distributions of solutions to uncertain Liouville-Caputo difference equations. *Discrete and Continuous Dynamical Systems - Series S*, **2021**,	2.8	3
20	Reverse Minkowski Inequalities Pertaining to New Weighted Generalized Fractional Integral Operators. *Fractal and Fractional*, **2022**, 6, 131	3	3

19	Hadamard-Mercer, Dragomir-Agarwal-Mercer, and Pachpatte-Mercer Type Fractional Inclusions for Convex Functions with an Exponential Kernel and Their Applications. *Symmetry*, **2022**, 14, 836	2.7	3
18	Some Hermite-Hadamard and Opial dynamic inequalities on time scales. *Journal of Inequalities and Applications*, **2021**, 2021,	2.1	2
17	On modified convex interval valued functions and related inclusions via the interval valued generalized fractional integrals in extended interval space. *AIMS Mathematics*, **2021**, 6, 4638-4663	2.2	2
16	New Riemann-Liouville Fractional-Order Inclusions for Convex Functions via Interval-Valued Settings Associated with Pseudo-Order Relations. *Fractal and Fractional*, **2022**, 6, 212	3	2
15	Inequalities for Estimations of Integrals Related to Higher-Order Strongly n -Polynomial Preinvex Functions. *Journal of Mathematics*, **2020**, 2020, 1-12	1.2	1
14	Solving the Modified Regularized Long Wave Equations via Higher Degree B-Spline Algorithm. *Journal of Function Spaces*, **2021**, 2021, 1-10	0.8	1
13	Numerical computations and theoretical investigations of a dynamical system with fractional order derivative. *AEJ - Alexandria Engineering Journal*, **2021**, 61, 1982-1982	6.1	1
12	Discrete Prabhakar fractional difference and sum operators. *Chaos, Solitons and Fractals*, **2021**, 150, 111182	5.3	1
11	Solutions of General Fractional-Order Differential Equations by Using the Spectral Tau Method. *Fractal and Fractional*, **2022**, 6, 7	3	1
10	Hermite-Hadamard-type Inequalities for Conformable Integrals1-12	0	1
9	Some Integral Inequalities in ?-Fractional Calculus and Their Applications. *Mathematics*, **2022**, 10, 344	2.3	0
8	Twelfth degree spline with application to quadrature. *SpringerPlus*, **2016**, 5, 2096		0
7	Analysing discrete fractional operators with exponential kernel for positivity in lower boundedness. *AIMS Mathematics*, **2022**, 7, 10387-10399	2.2	0
6	Positivity and monotonicity results for discrete fractional operators involving the exponential kernel.. *Mathematical Biosciences and Engineering*, **2022**, 19, 5120-5133	2.1	0
5	Some New Estimates on Coordinates of Left and Right Convex Interval-Valued Functions Based on Pseudo Order Relation. *Symmetry*, **2022**, 14, 473	2.7	0
4	New Generalized Class of Convex Functions and Some Related Integral Inequalities. *Symmetry*, **2022**, 14, 722	2.7	0
3	Analytical and Numerical Monotonicity Analyses for Discrete Delta Fractional Operators. *Mathematics*, **2022**, 10, 1753	2.3	0
2	Riemann-Liouville Fractional Integral Inequalities for Generalized Harmonically Convex Fuzzy-Interval-Valued Functions. *International Journal of Computational Intelligence Systems*, **2022**, 15, 1	3.4	

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