

# Pshtiwan Mohammed

## List of Publications by Year in descending order

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99  
papers

1,687  
citations

279487

23  
h-index

377514

34  
g-index

100  
all docs

100  
docs citations

100  
times ranked

298  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hermite-Hadamard inequalities in fractional calculus defined using Mittag-Leffler kernels. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 8414-8431.	1.2	73
2	On generalized fractional integral inequalities for twice differentiable convex functions. <i>Journal of Computational and Applied Mathematics</i> , 2020, 372, 112740.	1.1	69
3	On the Generalized Hermite-Hadamard Inequalities via the Tempered Fractional Integrals. <i>Symmetry</i> , 2020, 12, 595.	1.1	64
4	A New Version of the Hermite-Hadamard Inequality for Riemann-Liouville Fractional Integrals. <i>Symmetry</i> , 2020, 12, 610.	1.1	60
5	Generalized fractional integral inequalities of Hermite-Hadamard-type for a convex function. <i>Open Mathematics</i> , 2020, 18, 794-806.	0.5	53
6	Hermite-Hadamard inequalities for Riemann-Liouville fractional integrals of a convex function with respect to a monotone function. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 2314-2324.	1.2	48
7	New Hermite-Hadamard Inequalities in Fuzzy-Interval Fractional Calculus and Related Inequalities. <i>Symmetry</i> , 2021, 13, 673.	1.1	44
8	Modification of certain fractional integral inequalities for convex functions. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	41
9	Harmonically Convex Fuzzy-Interval-Valued Functions and Fuzzy-Interval Riemann-Liouville Fractional Integral Inequalities. <i>International Journal of Computational Intelligence Systems</i> , 2021, 14, 1809.	1.6	40
10	Integral inequalities for a fractional operator of a function with respect to another function with nonsingular kernel. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	40
11	Hermite-Hadamard type inequalities for F-convex function involving fractional integrals. <i>Journal of Inequalities and Applications</i> , 2018, 2018, 359.	0.5	36
12	Midpoint Inequalities in Fractional Calculus Defined Using Positive Weighted Symmetry Function Kernels. <i>Symmetry</i> , 2021, 13, 550.	1.1	33
13	Generalized fractional integral inequalities of Hermite-Hadamard type for $\{(\alpha, m)\}$ -convex functions. <i>Journal of Inequalities and Applications</i> , 2019, 2019, .	0.5	32
14	Some new Hermite-Hadamard type inequalities for MT -convex functions on differentiable coordinates. <i>Journal of King Saud University - Science</i> , 2018, 30, 258-262.	1.6	31
15	Fractional Hermite-Hadamard Integral Inequalities for a New Class of Convex Functions. <i>Symmetry</i> , 2020, 12, 1485.	1.1	29
16	Fuzzy integral inequalities on coordinates of convex fuzzy interval-valued functions. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 6552-6580.	1.0	28
17	Some New Fractional Estimates of Inequalities for LR-p-Convex Interval-Valued Functions by Means of Pseudo Order Relation. <i>Axioms</i> , 2021, 10, 175.	0.9	27
18	On Riemann-Liouville and Caputo Fractional Forward Difference Monotonicity Analysis. <i>Mathematics</i> , 2021, 9, 1303.	1.1	26

#	ARTICLE	IF	CITATIONS
19	Hermiteâ€“Hadamard Type Inequalities for Interval-Valued Preinvex Functions via Fractional Integral Operators. International Journal of Computational Intelligence Systems, 2022, 15, 1.	1.6	26
20	New Fractional Integral Inequalities for Convex Functions Pertaining to Caputoâ€“Fabrizio Operator. Fractal and Fractional, 2022, 6, 171.	1.6	26
21	New fuzzy-interval inequalities in fuzzy-interval fractional calculus by means of fuzzy order relation. AIMS Mathematics, 2021, 6, 10964-10988.	0.7	25
22	Fractional Hermiteâ€“Hadamardâ€“Fejer Inequalities for a Convex Function with Respect to an Increasing Function Involving a Positive Weighted Symmetric Function. Symmetry, 2020, 12, 1503.	1.1	24
23	Inequalities of trapezoidal type involving generalized fractional integrals. AEJ - Alexandria Engineering Journal, 2020, 59, 2975-2984.	3.4	23
24	Some weighted Simpson type inequalities for differentiable sâ€“convex functions and their applications. Journal of Fractional Calculus and Nonlinear Systems, 2020, 1, 75-94.	0.7	23
25	New Conformable Fractional Integral Inequalities of Hermiteâ€“Hadamard Type for Convex Functions. Symmetry, 2019, 11, 263.	1.1	22
26	Simpsonâ€™s Integral Inequalities for Twice Differentiable Convex Functions. Mathematical Problems in Engineering, 2020, 2020, 1-15.	0.6	22
27	Adomian Decomposition and Fractional Power Series Solution of a Class of Nonlinear Fractional Differential Equations. Mathematics, 2021, 9, 1070.	1.1	22
28	New discrete inequalities of Hermiteâ€“Hadamard type for convex functions. Advances in Difference Equations, 2021, 2021, .	3.5	21
29	Some new Jensen, Schur and Hermite-Hadamard inequalities for log convex fuzzy interval-valued functions. AIMS Mathematics, 2022, 7, 4338-4358.	0.7	21
30	New Modified Conformable Fractional Integral Inequalities of Hermiteâ€“Hadamard Type with Applications. Journal of Function Spaces, 2020, 2020, 1-14.	0.4	20
31	New integral inequalities for preinvex functions via generalized beta function. Journal of Interdisciplinary Mathematics, 2019, 22, 539-549.	0.4	19
32	Existence and Uniqueness of Uncertain Fractional Backward Difference Equations of Riemannâ€“Liouville Type. Mathematical Problems in Engineering, 2020, 2020, 1-8.	0.6	19
33	Discrete generalized fractional operators defined using hâ€“discrete Mittagâ€“Leffler kernels and applications to AB fractional difference systems. Mathematical Methods in the Applied Sciences, 2020, , .	1.2	18
34	New fractional inequalities of Hermiteâ€“Hadamard type involving the incomplete gamma functions. Journal of Inequalities and Applications, 2020, 2020, .	0.5	18
35	Some modifications in conformable fractional integral inequalities. Advances in Difference Equations, 2020, 2020, .	3.5	18
36	On New Trapezoid Type Inequalities for $s$ -convex Functions via Generalized Fractional Integral. Turkish Journal of Analysis and Number Theory, 2018, 6, 125-128.	0.1	18

#	ARTICLE	IF	CITATIONS
37	Non-Conformable Fractional Laplace Transform. Kragujevac Journal of Mathematics, 2022, 46, 341-354.	0.3	18
38	Hermite-Hadamard integral inequalities on coordinated convex functions in quantum calculus. Advances in Difference Equations, 2021, 2021, .	3.5	17
39	Certain Inequalities Pertaining to Some New Generalized Fractional Integral Operators. Fractal and Fractional, 2021, 5, 160.	1.6	17
40	Numerical computations and theoretical investigations of a dynamical system with fractional order derivative. AEJ - Alexandria Engineering Journal, 2022, 61, 1982-1994.	3.4	16
41	On Discrete Delta Caputo-Fabrizio Fractional Operators and Monotonicity Analysis. Fractal and Fractional, 2021, 5, 116.	1.6	16
42	Existence and uniqueness of a class of uncertain Liouville-Caputo fractional difference equations. Journal of King Saud University - Science, 2021, 33, 101497.	1.6	16
43	Opial integral inequalities for generalized fractional operators with nonsingular kernel. Journal of Inequalities and Applications, 2020, 2020, .	0.5	16
44	Some Integral Inequalities for Generalized Convex Fuzzy-Interval-Valued Functions via Fuzzy Riemann Integrals. International Journal of Computational Intelligence Systems, 2021, 14, .	1.6	15
45	On Convexity, Monotonicity and Positivity Analysis for Discrete Fractional Operators Defined Using Exponential Kernels. Fractal and Fractional, 2022, 6, 55.	1.6	15
46	General Raina fractional integral inequalities on coordinates of convex functions. Advances in Difference Equations, 2021, 2021, .	3.5	14
47	Interval valued Hadamard-Fejér and Pachpatte Type inequalities pertaining to a new fractional integral operator with exponential kernel. AIMS Mathematics, 2022, 7, 15041-15063.	0.7	14
48	On inequalities of Hermite-Hadamard-Mercer type involving Riemann-Liouville fractional integrals. AIMS Mathematics, 2020, 6, 712-725.	0.7	13
49	On a new type of fractional difference operators on h-step isolated time scales. Journal of Fractional Calculus and Nonlinear Systems, 2020, 1, 46-74.	0.7	13
50	Difference monotonicity analysis on discrete fractional operators with discrete generalized Mittag-Leffler kernels. Advances in Difference Equations, 2021, 2021, .	3.5	13
51	Fractional Weighted Ostrowski-Type Inequalities and Their Applications. Symmetry, 2021, 13, 968.	1.1	13
52	On Iterative Methods for Solving Nonlinear Equations in Quantum Calculus. Fractal and Fractional, 2021, 5, 60.	1.6	13
53	New Chebyshev type inequalities via a general family of fractional integral operators with a modified Mittag-Leffler kernel. AIMS Mathematics, 2021, 6, 11167-11186.	0.7	13
54	A Generalized Uncertain Fractional Forward Difference Equations of Riemann-Liouville Type. Journal of Mathematics Research, 2019, 11, 43.	0.1	13

#	ARTICLE	IF	CITATIONS
55	Some Higher-Degree Lacunary Fractional Splines in the Approximation of Fractional Differential Equations. <i>Symmetry</i> , 2021, 13, 422.	1.1	12
56	Integral inequalities of Hermite-Hadamard type for quasi-convex functions with applications. <i>AIMS Mathematics</i> , 2020, 5, 7316-7331.	0.7	12
57	Solution of Singular Integral Equations via Riemannâ€Liouville Fractional Integrals. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-8.	0.6	11
58	New Simpson Type Integral Inequalities for s -Convex Functions and Their Applications. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-12.	0.6	11
59	A Correlation Between Solutions of Uncertain Fractional Forward Difference Equations and Their Paths. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	11
60	Fuzzy-interval inequalities for generalized convex fuzzy-interval-valued functions via fuzzy Riemann integrals. <i>AIMS Mathematics</i> , 2021, 7, 1507-1535.	0.7	11
61	Integral Inequalities for Generalized Harmonically Convex Functions in Fuzzy-Interval-Valued Settings. <i>Symmetry</i> , 2021, 13, 2352.	1.1	11
62	New Riemannâ€Liouville Fractional-Order Inclusions for Convex Functions via Interval-Valued Settings Associated with Pseudo-Order Relations. <i>Fractal and Fractional</i> , 2022, 6, 212.	1.6	11
63	AN IMPROVEMENT OF THE POWER-MEAN INTEGRAL INEQUALITY IN THE FRAME OF FRACTAL SPACE AND CERTAIN RELATED MIDPOINT-TYPE INTEGRAL INEQUALITIES. <i>Fractals</i> , 2022, 30, .	1.8	11
64	Fuzzy Mixed Variational-like and Integral Inequalities for Strongly Preinvex Fuzzy Mappings. <i>Symmetry</i> , 2021, 13, 1816.	1.1	9
65	Some new versions of integral inequalities for log-preinvex fuzzy-interval-valued functions through fuzzy order relation. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 7089-7101.	3.4	9
66	Hadamardâ€Mercer, Dragomirâ€Agarwalâ€Mercer, and Pachpatteâ€Mercer Type Fractional Inclusions for Convex Functions with an Exponential Kernel and Their Applications. <i>Symmetry</i> , 2022, 14, 836.	1.1	9
67	Solving the Modified Regularized Long Wave Equations via Higher Degree B-Spline Algorithm. <i>Journal of Function Spaces</i> , 2021, 2021, 1-10.	0.4	8
68	Fuzzy-interval inequalities for generalized preinvex fuzzy interval valued functions. <i>Mathematical Biosciences and Engineering</i> , 2021, 19, 812-835.	1.0	8
69	Solutions of General Fractional-Order Differential Equations by Using the Spectral Tau Method. <i>Fractal and Fractional</i> , 2022, 6, 7.	1.6	8
70	New generalized Riemann-Liouville fractional integral inequalities for convex functions. <i>Journal of Mathematical Inequalities</i> , 2021, , 511-519.	0.5	7
71	Link theorem and distributions of solutions to uncertain Liouville-Caputo difference equations. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2022, 15, 427.	0.6	7
72	Fractional Integral Inequalities for Exponentially Nonconvex Functions and Their Applications. <i>Fractal and Fractional</i> , 2021, 5, 80.	1.6	7

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73	Computational Non-Polynomial Spline Function for Solving Fractional Bagely-Torvik Equatio. Mathematical Sciences Letters, 2017, 6, 83-87.	0.7	7
74	New classifications of monotonicity investigation for discrete operators with Mittag-Leffler kernel. Mathematical Biosciences and Engineering, 2022, 19, 4062-4074.	1.0	7
75	On positivity and monotonicity analysis for discrete fractional operators with discrete Mittag-Leffler kernel. Mathematical Methods in the Applied Sciences, 0, , .	1.2	7
76	Some Generalizations of Opial Type Inequalities,. Applied Mathematics and Information Sciences, 2020, 14, 809-816.	0.7	6
77	Computational Method for Fractional Differential Equations Using Nonpolynomial Fractional Spline. Mathematical Sciences Letters, 2016, 5, 131-136.	0.7	6
78	Reverse Minkowski Inequalities Pertaining to New Weighted Generalized Fractional Integral Operators. Fractal and Fractional, 2022, 6, 131.	1.6	6
79	New Generalized Class of Convex Functions and Some Related Integral Inequalities. Symmetry, 2022, 14, 722.	1.1	6
80	Some Hermite-Hadamard and Opial dynamic inequalities on time scales. Journal of Inequalities and Applications, 2021, 2021, .	0.5	5
81	Some New Estimates on Coordinates of Left and Right Convex Interval-Valued Functions Based on Pseudo Order Relation. Symmetry, 2022, 14, 473.	1.1	5
82	Hermite-Hadamard-type Inequalities for Conformable Integrals. , 0, , 1-12.	0.3	5
83	Positivity analysis for the discrete delta fractional differences of the Riemann-Liouville and Liouville-Caputo types. Electronic Research Archive, 2022, 30, 3058-3070.	0.4	5
84	Analysis of positivity results for discrete fractional operators by means of exponential kernels. AIMS Mathematics, 2022, 7, 15812-15823.	0.7	4
85	Twelfth degree spline with application to quadrature. SpringerPlus, 2016, 5, 2096.	1.2	3
86	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.	0.7	3
87	Inequalities for Estimations of Integrals Related to Higher-Order Strongly $n$ -Polynomial Preinvex Functions. Journal of Mathematics, 2020, 2020, 1-12.	0.5	2
88	Existence of solutions for a class of nonlinear fractional difference equations of the Riemann-Liouville type. , 2022, 2022, .		2
89	Analytical and Numerical Monotonicity Analyses for Discrete Delta Fractional Operators. Mathematics, 2022, 10, 1753.	1.1	2
90	Monotonicity Results for Nabla Riemann-Liouville Fractional Differences. Mathematics, 2022, 10, 2433.	1.1	2

#	ARTICLE	IF	CITATIONS
91	Discrete Prabhakar fractional difference and sum operators. Chaos, Solitons and Fractals, 2021, 150, 111182.	2.5	1
92	Numerical Solution of Fractional Differential Equations by using Fractional Spline Functions.. Journal of Zankoy Sulaimani - Part A, 2015, 17, 97-110.	0.1	1
93	Fractional integral inequalities of Hermite-Hadamard type for convex functions with respect to a monotone function. Filomat, 2020, 34, 2401-2411.	0.2	1
94	Some Integral Inequalities in $\eta$ -Fractional Calculus and Their Applications. Mathematics, 2022, 10, 344.	1.1	1
95	Analysing discrete fractional operators with exponential kernel for positivity in lower boundedness. AIMS Mathematics, 2022, 7, 10387-10399.	0.7	1
96	Positivity and monotonicity results for discrete fractional operators involving the exponential kernel. Mathematical Biosciences and Engineering, 2022, 19, 5120-5133.	1.0	1
97	Riemannâ€Liouville Fractional Integral Inequalities for Generalized Harmonically Convex Fuzzy-Interval-Valued Functions. International Journal of Computational Intelligence Systems, 2022, 15, 1.	1.6	1
98	Composition Fractional Integral Inequality for the Reiman-Liouville type with applications. Journal of Zankoy Sulaimani - Part A, 2015, 18, 227-230.	0.1	0
99	Analytical results for positivity of discrete fractional operators with approximation of the domain of solutions. Mathematical Biosciences and Engineering, 2022, 19, 7272-7283.	1.0	0