Y S Hamed

List of Publications by Citations

100 papers	707 citations	14 h-index	21 g-index
109 ext. papers	983 ext. citations	2.7 avg, IF	5.33 L-index

#	Paper	IF	Citations
100	Stability and response of a nonlinear coupled pitch-roll ship model under parametric and harmonic excitations. *Nonlinear Dynamics*, **2011**, 64, 207-220	5	45
99	Numerical Investigation of Fractional-Order Swift-Hohenberg Equations via a Novel Transform. *Symmetry*, **2021**, 13, 1263	2.7	44
98	New Hermite-Hadamard Inequalities in Fuzzy-Interval Fractional Calculus and Related Inequalities. *Symmetry*, **2021**, 13, 673	2.7	34
97	Diverse novel analytical and semi-analytical wave solutions of the generalized (2+1)-dimensional shallow water waves model. *AIP Advances*, **2021**, 11, 015223	1.5	31
96	Nonlinear analysis of an elastic cable under harmonic excitation. *Acta Mechanica*, **2010**, 214, 315-325	2.1	25
95	On controlling the vibrations and energy transfer in MEMS gyroscope system with simultaneous resonance. *Nonlinear Dynamics*, **2016**, 83, 1687-1704	5	23
94	Midpoint Inequalities in Fractional Calculus Defined Using Positive Weighted Symmetry Function Kernels. *Symmetry*, **2021**, 13, 550	2.7	23
93	Saturation, stability and resonance of non-linear systems. *Physica A: Statistical Mechanics and Its Applications*, **2005**, 356, 341-358	3.3	22
92	Study of (Ag and TiO2)/water nanoparticles shape effect on heat transfer and hybrid nanofluid flow toward stretching shrinking horizontal cylinder. *Results in Physics*, **2021**, 21, 103812	3.7	22
91	Solving the convection-diffusion equation by means of the optimal q-homotopy analysis method (Oq-HAM). *Results in Physics*, **2016**, 6, 20-25	3.7	21
90	Nonlinear study of the dynamic behavior of a string-beam coupled system under combined excitations. *Acta Mechanica Sinica/Lixue Xuebao*, **2011**, 27, 1034-1051	2	20
89	The Improved (frac{G'}{G})- Expansion Method for Solving ((3+1))-Dimensional Potential- YTSF Equation. *Journal of Modern Methods in Numerical Mathematics*, **2011**, 2, 32	0	17
88	Nonlinear saturation controller for vibration supersession of a nonlinear composite beam. *Journal of Mechanical Science and Technology*, **2014**, 28, 2987-3002	1.6	15
87	Analysis of Optical Solitons for Nonlinear Schrödinger Equation with Detuning Term by Iterative Transform Method. *Symmetry*, **2020**, 12, 1850	2.7	15
86	Vibration suppression in ultrasonic machining described by non-linear differential equations. *Journal of Mechanical Science and Technology*, **2009**, 23, 2038-2050	1.6	14
85	Vibration reduction in ultrasonic machine to external and tuned excitation forces. *Applied Mathematical Modelling*, **2009**, 33, 2853-2863	4.5	14
84	Vibration suppression in multi-tool ultrasonic machining to multi-external and parametric excitations. *Acta Mechanica Sinica/Lixue Xuebao*, **2009**, 25, 403-415	2	13

83	New numerical approach for time-fractional partial differential equations arising in physical system involving natural decomposition method. *Physica Scripta*, **2021**, 96, 105204	2.6	13
82	Exact solutions involving special functions for unsteady convective flow of magnetohydrodynamic second grade fluid with ramped conditions. *Advances in Difference Equations*, **2021**, 2021,	3.6	13
81	A Comparative Analysis of Fractional-Order Kaup Kupershmidt Equation within Different Operators. *Symmetry*, **2022**, 14, 986	2.7	13
80	Nonlinear vibration behavior and resonance of a Cartesian manipulator system carrying an intermediate end effector. *Nonlinear Dynamics*, **2018**, 91, 1429-1442	5	12
79	On Convexity, Monotonicity and Positivity Analysis for Discrete Fractional Operators Defined Using Exponential Kernels. *Fractal and Fractional*, **2022**, 6, 55	3	11
78	Efficient computations for weighted generalized proportional fractional operators with respect to a monotone function. *AIMS Mathematics*, **2021**, 6, 8001-8029	2.2	10
77	A New Family of Continuous Probability Distributions. *Entropy*, **2021**, 23,	2.8	10
76	Computational simulation for the (1 + 1)-dimensional Ito equation arising quantum mechanics and nonlinear optics. *Results in Physics*, **2020**, 19, 103572	3.7	9
75	Hermite Hadamard integral inequalities on coordinated convex functions in quantum calculus. *Advances in Difference Equations*, **2021**, 2021,	3.6	9
74	Novel aspects of discrete dynamical type inequalities within fractional operators having generalized ?-discrete Mittag-Leffler kernels and application. *Chaos, Solitons and Fractals*, **2021**, 151, 111204	9.3	9
73	Nonlinear modified positive position feedback control of cantilever beam system carrying an intermediate lumped mass. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 3847-3862	6.1	8
72	More efficient estimates via ?-discrete fractional calculus theory and applications. *Chaos, Solitons and Fractals*, **2021**, 147, 110981	9.3	8
71	Some new Jensen, Schur and Hermite-Hadamard inequalities for log convex fuzzy interval-valued functions. *AIMS Mathematics*, **2022**, 7, 4338-4358	2.2	7
70	Nonlinear Structural Control Analysis of an Offshore Wind Turbine Tower System. *Processes*, **2020**, 8, 22	2.9	7
69	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
68	New Fractional Integral Inequalities for Convex Functions Pertaining to Caputo Fabrizio Operator. *Fractal and Fractional*, **2022**, 6, 171	3	7
67	Active vibration suppression of a nonlinear electromechanical oscillator system with simultaneous resonance. *Journal of Vibroengineering*, **2018**, 20, 42-61	0.5	6
66	Nonlinear Vibrations Analysis and Dynamic Responses of a Vertical Conveyor System Controlled by a Proportional Derivative Controller. *IEEE Access*, **2020**, 8, 119082-119093	3.5	6

65	Some Higher-Degree Lacunary Fractional Splines in the Approximation of Fractional Differential Equations. *Symmetry*, **2021**, 13, 422	2.7	6
64	Dynamics, circuit implementation and control of new caputo fractional order chaotic 5-dimensions hyperjerk model. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 4177-4190	6.1	6
63	Einstein Aggregation Operators for Pythagorean Fuzzy Soft Sets with Their Application in Multiattribute Group Decision-Making. *Journal of Function Spaces*, **2022**, 2022, 1-21	0.8	6
62	A Comprehensive Mathematical Model for SARS-CoV-2 in Caputo Derivative. *Fractal and Fractional*, **2021**, 5, 271	3	6
61	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
60	A novel application on mutually orthogonal graph squares and graph-orthogonal arrays. *AIMS Mathematics*, **2022**, 7, 7349-7373	2.2	5
59	An Innovative Solutions for the Generalized FitzHugh-Nagumo Equation by Using the Generalized (G7/G)-Expansion Method. *Applied Mathematics*, **2011**, 02, 470-474	0.4	5
58	Fractional Integral Inequalities for Exponentially Nonconvex Functions and Their Applications. *Fractal and Fractional*, **2021**, 5, 80	3	5
57	Nonlinear vibrations control of a contact-mode AFM model via a time-delayed positive position feedback. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 963-977	6.1	5
56	New classifications of monotonicity investigation for discrete operators with Mittag-Leffler kernel.. *Mathematical Biosciences and Engineering*, **2022**, 19, 4062-4074	2.1	5
55	Utilizing Macro Fiber Composite to Control Rotating Blade Vibrations. *Symmetry*, **2020**, 12, 1984	2.7	4
54	On the decomposition of circulant graphs using algorithmic approaches. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 8263-8263	6.1	4
53	Stability of intuitionistic fuzzy set-valued maps and solutions of integral inclusions. *AIMS Mathematics*, **2021**, 7, 315-333	2.2	4
52	Fractional Weighted Ostrowski-Type Inequalities and Their Applications. *Symmetry*, **2021**, 13, 968	2.7	4
51	On positivity and monotonicity analysis for discrete fractional operators with discrete Mittag□Leffler kernel. *Mathematical Methods in the Applied Sciences*,	2.3	4
50	Vibration suppression in ultrasonic machining described by non-linear differential equations via passive controller. *Applied Mathematics and Computation*, **2013**, 219, 4692-4701	2.7	3
49	The Numerical Investigation of Fractional-Order Zakharov□Kuznetsov Equations. *Complexity*, **2021**, 2021, 1-13	1.6	3
48	Analytical Approximate Solution For Nonlinear Time-Space Fractional Fornberg-Whitham Equation By Fractional Complex Transform. *Communications in Numerical Analysis*, **2015**, 2015, 115-124	0	3

47	A Proportional Derivative (PD) Controller for Suppression the Vibrations of a Contact-Mode AFM Model. *IEEE Access*, **2020**, 8, 214061-214070	3.5	3
46	Bayesian and Frequentist Inferences on a Type I Half-Logistic Odd Weibull Generator with Applications in Engineering. *Entropy*, **2021**, 23,	2.8	3
45	Link theorem and distributions of solutions to uncertain Liouville-Caputo difference equations. *Discrete and Continuous Dynamical Systems - Series S*, **2021**,	2.8	3
44	On more general inequalities for weighted generalized proportional Hadamard fractional integral operator with applications. *AIMS Mathematics*, **2021**, 6, 9154-9176	2.2	3
43	Reverse Minkowski Inequalities Pertaining to New Weighted Generalized Fractional Integral Operators. *Fractal and Fractional*, **2022**, 6, 131	3	3
42	Performance investigation of organic Rankine-vapor compression refrigeration integrated system activated by renewable energy. *Mechanics and Industry*, **2019**, 20, 206	0.8	2
41	Partially balanced network designs and graph codes generation. *AIMS Mathematics*, **2022**, 7, 2393-2412	2.2	2
40	Role of Newtonian heating on a Maxwell fluid via special functions: memory impact of local and nonlocal kernels. *Advances in Difference Equations*, **2021**, 2021,	3.6	2
39	. *IEEE Access*, **2021**, 9, 153012-153026	3.5	2
38	Study of Stability and Vibration Reduction in Multi-Tool Ultrasonic Machining under Simultaneous Primary and Internal Resonance. *Applied Mathematics*, **2012**, 03, 1-11	0.4	2
37	Non-Linear Analysis of Vibrations of Non-Linear System Subjected to Multi-Excitation Forces via a Non-Linear Absorber. *Applied Mathematics*, **2012**, 03, 64-72	0.4	2
36	Vibration Performance, Stability and Energy Transfer of Wind Turbine Tower Via Pd Controller. *Computers, Materials and Continua*, **2020**, 64, 871-886	3.9	2
35	On rigorous computational and numerical solutions for the voltages of the electrified transmission range with the day yet distance. *Numerical Methods for Partial Differential Equations*, **2020**,	2.5	2
34	Determination of Number of Infected Cells and Concentration of Viral Particles in Plasma during HIV-1 Infections Using Shehu Transformation. *Journal of Mathematics*, **2020**, 2020, 1-13	1.2	2
33	Some Hermite-Hadamard and Opial dynamic inequalities on time scales. *Journal of Inequalities and Applications*, **2021**, 2021,	2.1	2
32	Tuned Positive Position Feedback Control of an Active Magnetic Bearings System With 16-Poles and Constant Stiffness. *IEEE Access*, **2021**, 9, 73857-73872	3.5	2
31	Influence of Time Delay on Controlling the Non-Linear Oscillations of a Rotating Blade. *Symmetry*, **2021**, 13, 85	2.7	2
30	On the Nonlinear Vibrations and Stability Analysis of a Plate-Cavity System With a Nonlinear Restoring Force. *IEEE Access*, **2021**, 9, 20423-20439	3.5	2

29	Rotor Active Magnetic Bearings System Control via a Tuned Nonlinear Saturation Oscillator. *IEEE Access*, **2021**, 1-1	3.5	2
28	Jafari Transformation for Solving a System of Ordinary Differential Equations with Medical Application. *Fractal and Fractional*, **2021**, 5, 130	3	2
27	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
26	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
25	Soret and Dufour effects on MHD squeezing flow of Jeffrey fluid in horizontal channel with thermal radiation.. *PLoS ONE*, **2022**, 17, e0266494	3.7	2
24	Utilizing Nonlinear Active Vibration Control to Quench the Nonlinear Vibrations of Helicopter Blade Flapping System. *IEEE Access*, **2020**, 8, 203003-203016	3.5	1
23	Solving the Modified Regularized Long Wave Equations via Higher Degree B-Spline Algorithm. *Journal of Function Spaces*, **2021**, 2021, 1-10	0.8	1
22	A complete classification of 5-regular circulant graphs that allow cyclic orthogonal double covers. *Journal of Algebraic Combinatorics*, **2021**, 53, 593-611	0.8	1
21	Quantum estimates in two variable forms for Simpson-type inequalities considering generalized ф-convex functions with applications. *Open Physics*, **2021**, 19, 305-326	1.3	1
20	1/3 Order Subharmonic Resonance Control of a Mass-Damper-Spring Model via Cubic-Position Negative-Velocity Feedback. *Symmetry*, **2022**, 14, 685	2.7	1
19	Solutions of General Fractional-Order Differential Equations by Using the Spectral Tau Method. *Fractal and Fractional*, **2022**, 6, 7	3	1
18	Some Integral Inequalities in ?-Fractional Calculus and Their Applications. *Mathematics*, **2022**, 10, 344	2.3	0
17	Some new (p, q)-Dragomir–Agarwal and Iyengar type integral inequalities and their applications. *AIMS Mathematics*, **2022**, 7, 5728-5751	2.2	0
16	Optical Solutions of the Date–Jimbo–Kashiwara–Miwa Equation via the Extended Direct Algebraic Method. *Journal of Mathematics*, **2021**, 2021, 1-18	1.2	0
15	Analysing discrete fractional operators with exponential kernel for positivity in lower boundedness. *AIMS Mathematics*, **2022**, 7, 10387-10399	2.2	0
14	Positivity and monotonicity results for discrete fractional operators involving the exponential kernel.. *Mathematical Biosciences and Engineering*, **2022**, 19, 5120-5133	2.1	0
13	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
12	Some new wave profiles and conservation laws in a Pre-compressed one-dimensional granular crystal by Lie group analysis. *European Physical Journal Plus*, **2022**, 137, 1	3.1	0

List of Publications

11	New Generalized Class of Convex Functions and Some Related Integral Inequalities. *Symmetry*, **2022**, 14, 722	2.7	0
10	Analytical and Numerical Monotonicity Analyses for Discrete Delta Fractional Operators. *Mathematics*, **2022**, 10, 1753	2.3	0
9	Vibration and stability of an aircraft tail under simultaneous primary-combined and internal resonance. *Theoretical and Applied Mechanics Letters*, **2011**, 1, 043001	1.8	
8	Hydrodynamics and sensitivity analysis of calendaring process of a viscoelastic material. *Archive of Applied Mechanics*,1	2.2	
7	Computational Analysis of Fluid Flow through a Sine-Curved Channel with High Reynolds Number. *Mathematical Problems in Engineering*, **2021**, 2021, 1-9	1.1	
6	Response Analysis and Controlling the Nonlinear Vibration of Van Der-Pol Duffing Oscillator Connected to the NIPPF Controller. *IEEE Access*, **2021**, 9, 91836-91849	3.5	
5	Second-Order Non-Canonical Neutral Differential Equations with Mixed Type: Oscillatory Behavior. *Symmetry*, **2021**, 13, 318	2.7	
4	On some generalized Raina-type fractional-order integral operators and related Chebyshev inequalities. *AIMS Mathematics*, **2022**, 7, 10256-10275	2.2	
3	Third-Order Superharmonic Resonance Analysis and Control in a Nonlinear Dynamical System. *Mathematics*, **2022**, 10, 1282	2.3	
2	Analytical results for positivity of discrete fractional operators with approximation of the domain of solutions. *Mathematical Biosciences and Engineering*, **2022**, 19, 7272-7283	2.1	
1	Role of bioconvection, porous medium, and activationenergy on the dynamic of Sisko nanofluid: the case of anenlarging cylinder. *Waves in Random and Complex Media*,1-14	1.9	