Samad Noeiaghdam

List of Publications by Year
in descending order

67 papers	**928** citations	471509 **17** h-index	552781 **26** g-index
67 all docs	**67** docs citations	**67** times ranked	**332** citing authors

#	Article	IF	Citations
1	Effects of thermophoresis and Brownian motion for thermal and chemically reacting Casson nanofluid flow over a linearly stretching sheet. Results in Engineering, 2022, 15, 100448.	5.1	62
2	Heat and mass transfer analysis of radiative and chemical reactive effects on MHD nanofluid over an infinite moving vertical plate. Results in Engineering, 2022, 14, 100394.	5.1	58
3	Finding optimal convergence control parameter in the homotopy analysis method to solve integral equations based on the stochastic arithmetic. Numerical Algorithms, 2019, 81, 237-267.	1.9	37
4	The Numerical Validation of the Adomian Decomposition Method for Solving Volterra Integral Equation with Discontinuous Kernels Using the CESTAC Method. Mathematics, 2021, 9, 260.	2.2	37
5	Numerical Analysis of Unsteady Hybrid Nanofluid Flow Comprising CNTs-Ferrousoxide/Water with Variable Magnetic Field. Nanomaterials, 2022, 12, 180.	4.1	36
6	The effects of MHD radiating and non-uniform heat source/sink with heating on the momentum and heat transfer of Eyring-Powell fluid over a stretching. Results in Engineering, 2022, 14, 100435.	5.1	34
7	Homotopy analysis transform method for solving Abel's integral equations of the first kind. Ain Shams Engineering Journal, 2016, 7, 483-495.	6.1	32
8	Error Estimation of the Homotopy Perturbation Method to Solve Second Kind Volterra Integral Equations with Piecewise Smooth Kernels: Application of the CADNA Library. Symmetry, 2020, 12, 1730.	2.2	32
9	Caputo-Fabrizio Fractional Derivative to Solve the Fractional Model of Energy Supply-Demand System. Mathematical Modelling of Engineering Problems, 2020, 7, 359-367.	0.5	31
10	On the New Wave Behaviors of the Gilson-Pickering Equation. Frontiers in Physics, 2020, 8, .	2.1	30
11	A Novel Technique to Control the Accuracy of a Nonlinear Fractional Order Model of COVID-19: Application of the CESTAC Method and the CADNA Library. Mathematics, 2021, 9, 1321.	2.2	30
12	Valid implementation of Sinc-collocation method to solve the fuzzy Fredholm integral equation. Journal of Computational and Applied Mathematics, 2020, 370, 112632.	2.0	28
13	ELZAKI PROJECTED DIFFERENTIAL TRANSFORM METHOD FOR FRACTIONAL ORDER SYSTEM OF LINEAR AND NONLINEAR FRACTIONAL PARTIAL DIFFERENTIAL EQUATION. Fractals, 2018, 26, 1850041.	3.7	24
14	Numerical Simulation of a Time-Dependent Electroviscous and Hybrid Nanofluid with Darcy-Forchheimer Effect between Squeezing Plates. Nanomaterials, 2022, 12, 876.	4.1	22
15	Solving a modified nonlinear epidemiological model of computer viruses by homotopy analysis method. Mathematical Sciences, 2018, 12, 211-222.	1.7	21
16	A novel technique to solve the modified epidemiological model of computer viruses. SeMA Journal, 2019, 76, 97-108.	2.0	18
17	Approximating Solutions of Non-Linear Troesch's Problem via an Efficient Quasi-Linearization Bessel Approach. Mathematics, 2021, 9, 1841.	2.2	18
18	Control of Accuracy on Taylor-Collocation Method for Load Leveling Problem. Bulletin of Irkutsk State University, Series Mathematics, 2019, 30, 59-72.	0.3	17

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19	Electroviscous Effect of Water-Base Nanofluid Flow between Two Parallel Disks with Suction/Injection Effect. Mathematics, 2022, 10, 956.	2.2	16
20	Numerical Analysis of Natural Convection Driven Flow of a Non-Newtonian Power-Law Fluid in a Trapezoidal Enclosure with a U-Shaped Constructal. Energies, 2021, 14, 5355.	3.1	15
21	Novel Symmetric Numerical Methods for Solving Symmetric Mathematical Problems. International Journal of Circuits, Systems and Signal Processing, 2021, 15, 1545-1557.	0.3	15
22	New Procedures of a Fractional Order Model of Novel Coronavirus (COVID-19) Outbreak via Wavelets Method. Axioms, 2021, 10, 122.	1.9	14
23	A Valid Dynamical Control on the Reverse Osmosis System Using the CESTAC Method. Mathematics, 2021, 9, 48.	2.2	14
24	A Valid Scheme to Evaluate Fuzzy Definite Integrals by Applying the CADNA Library. International Journal of Fuzzy System Applications, 2017, 6, 1-20.	0.7	14
25	Dufour and Soret Effect on Viscous Fluid Flow between Squeezing Plates under the Influence of Variable Magnetic Field. Mathematics, 2021, 9, 2404.	2.2	13
26	Dynamical Strategy to Control the Accuracy of the Nonlinear Bio-Mathematical Model of Malaria Infection. Mathematics, 2021, 9, 1031.	2.2	12
27	A Comparative Study between Discrete Stochastic Arithmetic and Floating-Point Arithmetic to Validate the Results of Fractional Order Model of Malaria Infection. Mathematics, 2021, 9, 1435.	2.2	12
28	A Novel Algorithm to Evaluate Definite Integrals by the Gauss-Legendre Integration Rule Based on the Stochastic Arithmetic: Application in the Model of Osmosis System. Mathematical Modelling of Engineering Problems, 2020, 7, 577-586.	0.5	12
29	Dynamical strategy on homotopy perturbation method for solving second kind integral equations using the CESTAC method. Journal of Computational and Applied Mathematics, 2022, 411, 114226.	2.0	12
30	Fibonacci-regularization method for solving Cauchy integral equations of the first kind. Ain Shams Engineering Journal, 2017, 8, 363-369.	6.1	11
31	The Effect of Variable Magnetic Field on Viscous Fluid between 3-D Rotatory Vertical Squeezing Plates: A Computational Investigation. Energies, 2022, 15, 2473.	3.1	11
32	A novel technique based on the homotopy analysis method to solve the first kind Cauchy integral equations arising in the theory of airfoils. Journal of Interpolation and Approximation in Scientific Computing, 2016, 2016, 1-13.	0.3	10
33	Nonstandard Finite Difference Schemes for an SIR Epidemic Model. Mathematics, 2021, 9, 3082.	2.2	10
34	Matrix Method by Genocchi Polynomials for Solving Nonlinear Volterra Integral Equations with Weakly Singular Kernels. Symmetry, 2020, 12, 2105.	2.2	9
35	A Fuzzy Method for Solving Fuzzy Fractional Differential Equations Based on the Generalized Fuzzy Taylor Expansion. Mathematics, 2020, 8, 2166.	2.2	9
36	Finding optimal step of fuzzy Newton-Cotes integration rules by using the CESTAC method. Journal of Fuzzy Set Valued Analysis, 2017, 2017, 62-85.	0.2	9

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37	Free and Forced Convective Flow in Pleural Fluid with Effect of Injection between Different Permeable Regions. Coatings, 2021, 11, 1313.	2.6	9
38	Homotopy analysis transform method for solving generalized Abel's fuzzy integral equations of the first kind. , 2015, , .		8
39	A Novel Technique to Solve the Fuzzy System of Equations. Mathematics, 2020, 8, 850.	2.2	8
40	Regularization of the Ill-Posed Cauchy Problem for Matrix Factorizations of the Helmholtz Equation on the Plane. Axioms, 2021, 10, 82.	1.9	8
41	NUMERICAL SOLUTION OF N-TH ORDER FREDHOLM INTEGRO-DIFFERENTIAL EQUATIONS BY INTEGRAL MEAN VALUE THEOREM METHOD. International Journal of Pure and Applied Mathematics, 2015, 99, .	0.2	8
42	Application of Transcendental Bernstein Polynomials for Solving Two-Dimensional Fractional Optimal Control Problems. Complexity, 2022, 2022, 1-10.	1.6	8
43	A Novel Approach to Find Optimal Parameter in the Homotopy-Regularization Method for Solving Integral Equations. Applied Mathematics and Information Sciences, 2020, 14, 105-113.	0.5	7
44	Truncating the series expansion for unsteady velocity-dependent Eyring-Powell fluid. Engineering and Applied Science Letters, 2020, 3, 28-34.	0.8	7
45	Effect of Ventricular Elasticity Due to Congenital Hydrocephalus. Symmetry, 2021, 13, 2087.	2.2	7
46	Application of the CESTAC Method to Find the Optimal Iteration of the Homotopy Analysis Method for Solving Fuzzy Integral Equations. Advances in Intelligent Systems and Computing, 2021, , 623-637.	0.6	6
47	Advantages of the Discrete Stochastic Arithmetic to Validate the Results of the Taylor Expansion Method to Solve the Generalized Abel's Integral Equation. Symmetry, 2021, 13, 1370.	2.2	6
48	A Novel Method for Solving Second Kind Volterra Integral Equations with Discontinuous Kernel. Mathematics, 2021, 9, 2172.	2.2	6
49	Numerical Approximation of Modiﬁed Non-linear SIR Model of Computer Viruses. Contemporary Mathematics, 2019, 1, 34-48.	0.4	6
50	Numerical Simulation of Fractional Zakharov–Kuznetsov Equation for Description of Temporal Discontinuity Using Projected Differential Transform Method. Complexity, 2021, 2021, 1-11.	1.6	5
51	Application of Said Ball Curve for Solving Fractional Differential-Algebraic Equations. Mathematics, 2021, 9, 1926.	2.2	5
52	On Nonlinear Forced Impulsive Differential Equations under Canonical and Non-Canonical Conditions. Symmetry, 2021, 13, 2066.	2.2	5
53	Modern Problems of Mathematical Physics and Their Applications. Axioms, 2022, 11, 45.	1.9	5
54	A novel algorithm to solve nonlinear fractional quadratic integral equations. AIMS Mathematics, 2022, 7, 13237-13257.	1.6	5

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55	Fuzzy Nano z-locally Closed Sets, Extremally Disconnected Spaces, Normal Spaces, and Their Application. Advances in Fuzzy Systems, 2022, 2022, 1-9.	0.9	5
56	Finding Optimal Results in the Homotopy Analysis Method to Solve Fuzzy Integral Equations. Studies in Fuzziness and Soft Computing, 2022, , 173-195.	0.8	3
57	Integral Equations: Theories, Approximations, and Applications. Symmetry, 2021, 13, 1402.	2.2	3
58	Oscillatory Behavior of Third-Order Quasi-Linear Neutral Differential Equations. Axioms, 2021, 10, 346.	1.9	3
59	Some perturbed versions of the generalized trapezoid type inequalities for twice differentiable functions. Fractional Differential Calculus, 2019, , 125-138.	0.5	2
60	Near-Common Fixed Point Result in Cone Interval b-Metric Spaces over Banach Algebras. Axioms, 2021, 10, 251.	1.9	2
61	Dynamical control on the Adomian decomposition method for solving shallow water wave equation. Vestnik Irkutskogo Gosudarstvennogo Tehniceskogo Universiteta, 2021, 25, 623-632.	0.2	2
62	Fixed-Point Results Related to b-Intuitionistic Fuzzy Metric Space. Journal of Function Spaces, 2022, 2022, 1-15.	0.9	2
63	Valid Implementation of the Fractional Order Model of Energy Supply-Demand System. Communications in Computer and Information Science, 2021, , 493-503.	0.5	1
64	Stability of Additive Functional Equation Originating from Characteristic Polynomial of Degree Three. Symmetry, 2022, 14, 700.	2.2	1
65	A Finite Difference-Spectral Method for Solving the European Call Option Black–Scholes Equation. Mathematical Modelling of Engineering Problems, 2021, 8, 273-278.	0.5	0
66	Oscillation of Fourth-Order Nonlinear Homogeneous Neutral Difference Equation. International Journal of Differential Equations, 2022, 2022, 1-7.	0.8	0
67	Application of the stochastic arithmetic to validate the results of nonlinear fractional model of HIV infection for CD8+T-cells. , 2022, , 259-285.		0