

Mir Sajjad Hashemi

List of Publications by Year in descending order

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76
papers

1,651
citations

218592

26
h-index

330025

37
g-index

78
all docs

78
docs citations

78
times ranked

705
citing authors

#	ARTICLE	IF	CITATIONS
1	On convergence of homotopy analysis method and its application to fractional integro-differential equations. <i>Quaestiones Mathematicae</i> , 2013, 36, 93-105.	0.2	135
2	Invariant subspaces admitted by fractional differential equations with conformable derivatives. <i>Chaos, Solitons and Fractals</i> , 2018, 107, 161-169.	2.5	96
3	The Lie-group shooting method for solving the Bratu equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011, 16, 4238-4249.	1.7	84
4	Numerical approximation of higher-order time-fractional telegraph equation by using a combination of a geometric approach and method of line. <i>Journal of Computational Physics</i> , 2016, 316, 10-20.	1.9	63
5	Solitary wave solutions of time-space nonlinear fractional Schrödinger's equation: Two analytical approaches. <i>Journal of Computational and Applied Mathematics</i> , 2018, 339, 147-160.	1.1	60
6	On three-dimensional variable order time fractional chaotic system with nonsingular kernel. <i>Chaos, Solitons and Fractals</i> , 2020, 133, 109628.	2.5	54
7	A novel approach to find exact solutions of fractional evolution equations with non-singular kernel derivative. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111367.	2.5	51
8	Group analysis and exact solutions of the time fractional Fokker-Planck equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 417, 141-149.	1.2	47
9	Some new exact solutions of (2+1)-dimensional nonlinear Heisenberg ferromagnetic spin chain with the conformable time fractional derivative. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	1.5	42
10	New optical solitons for Biswas-Arshed equation with higher order dispersions and full nonlinearity. <i>Optik</i> , 2020, 206, 163332.	1.4	41
11	Classical and nonclassical Lie symmetry analysis to a class of nonlinear time-fractional differential equations. <i>Nonlinear Dynamics</i> , 2017, 87, 1785-1796.	2.7	40
12	Solving the time-fractional diffusion equation using a lie group integrator. <i>Thermal Science</i> , 2015, 19, 77-83.	0.5	37
13	A reduction technique to solve the generalized nonlinear dispersive $mK(m,n)$ equation with new local derivative. <i>Results in Physics</i> , 2022, 38, 105512.	2.0	36
14	On solitons and invariant solutions of the Magneto-electro-elastic circular rod. <i>Waves in Random and Complex Media</i> , 2016, 26, 259-271.	1.6	33
15	Symmetry properties and exact solutions of the time fractional Kolmogorov-Petrovskii-Piskunov equation. <i>Revista Mexicana De Física</i> , 2019, 65, 529-535.	0.2	33
16	Group preserving scheme and reproducing kernel method for the Poisson-Boltzmann equation for semiconductor devices. <i>Nonlinear Dynamics</i> , 2017, 88, 2817-2829.	2.7	32
17	Lie symmetry analysis and soliton solutions of time-fractional $K(m, n)$ equation. <i>Pramana - Journal of Physics</i> , 2017, 88, 1.	0.9	32
18	Constructing two powerful methods to solve the Thomas-Fermi equation. <i>Nonlinear Dynamics</i> , 2017, 87, 1435-1444.	2.7	31

#	ARTICLE	IF	CITATIONS
19	Soliton solutions, stability analysis and conservation laws for the brusselator reaction diffusion model with time- and constant-dependent coefficients. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	31
20	Constructing a new geometric numerical integration method to the nonlinear heat transfer equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 22, 990-1001.	1.7	30
21	Analytical lie group approach for solving fractional integro-differential equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 51, 66-77.	1.7	29
22	Nonclassical Symmetries for a Class of Reaction-Diffusion Equations: the Method of Heir-Equations. <i>Journal of Nonlinear Mathematical Physics</i> , 2013, 20, 44.	0.8	28
23	Group analysis of the modified generalized Vakhnenko equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 867-877.	1.7	28
24	Group Invariant Solutions and Conservation Laws of the Fornbergâ€™ Whitham Equation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2014, 69, 489-496.	0.7	27
25	A geometric approach for solving the density-dependent diffusion Nagumo equation. <i>Advances in Difference Equations</i> , 2016, 2016, .	3.5	27
26	Group preserving scheme for the Cauchy problem of the Laplace equation. <i>Engineering Analysis With Boundary Elements</i> , 2011, 35, 1003-1009.	2.0	26
27	On the Time Fractional Generalized Fisher Equation: Group Similarities and Analytical Solutions. <i>Communications in Theoretical Physics</i> , 2016, 65, 11-16.	1.1	26
28	Lie symmetry analysis of steady-state fractional reaction-convection-diffusion equation. <i>Optik</i> , 2017, 138, 240-249.	1.4	26
29	Numerical study of the one-dimensional coupled nonlinear sine-Gordon equations by a novel geometric meshless method. <i>Engineering With Computers</i> , 2021, 37, 3397-3407.	3.5	25
30	Solving fractional pantograph delay equations by an effective computational method. <i>Mathematics and Computers in Simulation</i> , 2020, 177, 295-305.	2.4	24
31	Hermite multiwavelets representation for the sparse solution of nonlinear Abelâ€™s integral equation. <i>Applied Mathematics and Computation</i> , 2022, 427, 127171.	1.4	22
32	New wave surfaces and bifurcation of nonlinear periodic waves for Gilson-Pickering equation. <i>Results in Physics</i> , 2021, 24, 104192.	2.0	21
33	On invariant analysis and conservation laws of the time fractional variant Boussinesq and coupled Boussinesq-Burgerâ€™s equations. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	17
34	A Lie group integrator to solve the hydromagnetic stagnation point flow of a second grade fluid over a stretching sheet. <i>AIMS Mathematics</i> , 2021, 6, 13392-13406.	0.7	16
35	Explicit solutions to nonlinear Chenâ€™Leeâ€™Liu equation. <i>Modern Physics Letters B</i> , 2021, 35, 2150438.	1.0	15
36	A novel simple algorithm for solving the magneto-hemodynamic flow in a semi-porous channel. <i>European Journal of Mechanics, B/Fluids</i> , 2017, 65, 359-367.	1.2	14

#	ARTICLE	IF	CITATIONS
37	New exact solution of the conformable Gilson–Pickering equation using the new modified Kudryashov’s method. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050161.	1.0	14
38	A Geometric Approach for Solving Troesch’s Problem. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2017, 40, 97-116.	0.4	13
39	On numerical solution of the time-fractional diffusion-wave equation with the fictitious time integration method. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	13
40	A Numerical Investigation on Burgers Equation by MOL-GPS Method. <i>Journal of Advanced Physics</i> , 2017, 6, 413-417.	0.4	12
41	Series Solution of the System of Fuzzy Differential Equations. <i>Advances in Fuzzy Systems</i> , 2012, 2012, 1-16.	0.6	11
42	Numerical simulation for the space-fractional diffusion equations. <i>Applied Mathematics and Computation</i> , 2019, 348, 57-69.	1.4	11
43	Solving fully fuzzy linear systems by using implicit Gauss–Cholesky algorithm. <i>Computational Mathematics and Modeling</i> , 2012, 23, 107-124.	0.2	10
44	A semi-analytical approach to Caputo type time-fractional modified anomalous sub-diffusion equations. <i>Applied Numerical Mathematics</i> , 2020, 158, 103-122.	1.2	10
45	Optical soliton and weierstrass elliptic function management to parabolic law nonlinear directional couplers and modulation instability spectra. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	10
46	Generalized squared remainder minimization method for solving multi-term fractional differential equations. <i>Nonlinear Analysis: Modelling and Control</i> , 2021, 26, 57-71.	1.1	10
47	Series solution of fuzzy wave-like equations with variable coefficients. <i>Journal of Intelligent and Fuzzy Systems</i> , 2013, 25, 415-428.	0.8	8
48	Nonclassical Lie symmetry and conservation laws of the nonlinear time-fractional Korteweg–de Vries equation. <i>Communications in Theoretical Physics</i> , 2021, 73, 095006.	1.1	8
49	On the invariant solutions of space/time-fractional diffusion equations. <i>Indian Journal of Physics</i> , 2017, 91, 1571-1579.	0.9	7
50	Numerical treatment on one-dimensional hyperbolic telegraph equation by the method of line-group preserving scheme. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	7
51	On the MHD boundary layer flow with diffusion and chemical reaction over a porous flat plate with suction/blowing: two reliable methods. <i>Engineering With Computers</i> , 2021, 37, 1147-1158.	3.5	7
52	Solitary waves for the generalized nonlinear wave equation in (3+1) dimensions with gas bubbles using the Nucci’s reduction, enhanced and modified Kudryashov algorithms. <i>Journal of Ocean Engineering and Science</i> , 2022, , .	1.7	7
53	A geometric numerical integration method for solving the Volterra integro-differential equations. <i>International Journal of Computer Mathematics</i> , 2018, 95, 1654-1665.	1.0	6
54	Non-classical Lie symmetry and conservation laws of the nonlinear time-fractional Kundu–Eckhaus (KE) equation. <i>Pramana - Journal of Physics</i> , 2021, 95, 1.	0.9	6

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55	New conservation laws and exact solutions of coupled Burgers' equation. Waves in Random and Complex Media, 0, , 1-20.	1.6	6
56	New Solutions of Nonlinear Dispersive Equation in Higher-Dimensional Space with Three Types of Local Derivatives. Fractal and Fractional, 2022, 6, 202.	1.6	6
57	Numerical solution to the telegraph equation via the geometric moving Kriging meshfree method. European Physical Journal Plus, 2019, 134, 1.	1.2	5
58	Non-classical Lie symmetries for nonlinear time-fractional Heisenberg equations. Mathematical Methods in the Applied Sciences, 2022, 45, 10010-10026.	1.2	5
59	Analytical Solutions of Nonlinear Time-Space Fractional Schrödinger Equation. Journal of Advanced Physics, 2017, 6, 297-302.	0.4	4
60	New mathematical modelings of the human liver and hearing loss systems with fractional derivatives. International Journal of Biomathematics, 2023, 16, .	1.5	4
61	Numerical Solution of a Nonlinear Fractional Integro-Differential Equation by a Geometric Approach. Differential Equations and Dynamical Systems, 2021, 29, 585-596.	0.5	3
62	Exact Solutions, Lie Symmetry Analysis and Conservation Laws of the Time Fractional Diffusion-Absorption Equation. Advances in Dynamics, Patterns, Cognition, 2019, , 97-109.	0.2	3
63	The (3 + 1)-dimensional Wazwaz-KdV equations: the conservation laws and exact solutions. International Journal of Nonlinear Sciences and Numerical Simulation, 2023, 24, 673-693.	0.4	3
64	A new application of the Legendre reproducing kernel method. AIMS Mathematics, 2022, 7, 10651-10670.	0.7	3
65	Certain Properties of n -Characters and n -Homomorphisms on Topological Algebras. Bulletin of the Malaysian Mathematical Sciences Society, 2015, 38, 985-999.	0.4	2
66	Analytical treatment of the couple stress fluid-filled thin elastic tubes. Optik, 2017, 145, 336-345.	1.4	2
67	Explicit solutions of higher dimensional Burger's equations. Journal of Ocean Engineering and Science, 2022, , .	1.7	2
68	Boundary value problem of Riemann-Liouville fractional differential equations in the variable exponent Lebesgue spaces $L(\cdot)$. Journal of Geometry and Physics, 2022, 178, 104554.	0.7	2
69	Solving fully fuzzy linear systems using implicit gauss-cholesky algorithm. Computational Mathematics and Modeling, 2012, 23, 368-385.	0.2	1
70	Two reliable methods for solving the forced convection in a porous-saturated duct. European Physical Journal Plus, 2020, 135, 1.	1.2	1
71	An efficient algorithm to determine M-matrix membership degree of fuzzy matrices. Journal of Intelligent and Fuzzy Systems, 2013, 25, 17-22.	0.8	0
72	Invariant investigation on the system of Hirota-Satsuma coupled KdV equation. AIP Conference Proceedings, 2018, , .	0.3	0

#	ARTICLE	IF	CITATIONS
73	On new exact solutions of the generalized Fitzhugh-Nagumo equation with variable coefficients. Numerical Methods for Partial Differential Equations, 2024, 40, .	2.0	0
74	On the solutions of boundary value problems. International Journal of Optimization and Control: Theories and Applications, 2021, 11, 199-205.	0.8	0
75	A Fictitious Time Integration Method For A One-dimensional Hyperbolic Boundary Value Problem. Journal of Mathematics and Computer Science, 2015, 14, 87-96.	0.5	0
76	Nonlinear Self-Adjointness and Nonclassical Solutions of a Population Model with Variable Coefficients. Journal of Advanced Physics, 2018, 7, 103-109.	0.4	0