

Imran Naeem

List of Publications by Year in descending order

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papers

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all docs

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docs citations

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146
citing authors

#	ARTICLE	IF	CITATIONS
1	Partial Noether operators and first integrals <i>via</i> partial Lagrangians. <i>Mathematical Methods in the Applied Sciences</i> , 2007, 30, 2079-2089.	2.3	47
2	Conservation laws and exact solutions of a class of non linear regularized long wave equations via double reduction theory and Lie symmetries. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 826-834.	3.3	19
3	Comparison of Different Approaches to Construct First Integrals for Ordinary Differential Equations. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-15.	0.7	16
4	Exact solutions of second grade aligned MHD fluid with prescribed vorticity. <i>Nonlinear Analysis: Real World Applications</i> , 2009, 10, 2117-2126.	1.7	15
5	Approximate partial Noether operators and first integrals for coupled nonlinear oscillators. <i>Nonlinear Dynamics</i> , 2009, 57, 303-311.	5.2	14
6	The approximate Noether symmetries and approximate first integrals for the approximate Hamiltonian systems. <i>Nonlinear Dynamics</i> , 2019, 96, 2225-2239.	5.2	13
7	Conservation laws for Camassa-Holm equation, Dullin-Gottwald-Holm equation and generalized Dullin-Gottwald-Holm equation. <i>Nonlinear Analysis: Real World Applications</i> , 2009, 10, 3466-3471.	1.7	12
8	Conservation Laws of Some Physical Models via Symbolic Package GeM. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-7.	1.1	11
9	Noether, partial Noether operators and first integrals for a linear system. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 342, 70-82.	1.0	10
10	Conservation laws for heat equation on curved surfaces. <i>Nonlinear Analysis: Real World Applications</i> , 2011, 12, 1359-1370.	1.7	10
11	Reductions and New Exact Solutions of ZK, Gardner KP, and Modified KP Equations via Generalized Double Reduction Theorem. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-11.	0.7	10
12	First integrals and exact solutions of the SIRI and tuberculosis models. <i>Mathematical Methods in the Applied Sciences</i> , 2016, 39, 4654-4666.	2.3	10
13	The Artificial Hamiltonian, First Integrals, and Closed-Form Solutions of Dynamical Systems for Epidemics. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2018, 73, 323-330.	1.5	10
14	Conditional linearizability criteria for a system of third-order ordinary differential equations. <i>Nonlinear Analysis: Real World Applications</i> , 2009, 10, 3404-3412.	1.7	9
15	Generalization of approximate partial Noether approach in phase space. <i>Nonlinear Dynamics</i> , 2017, 88, 735-748.	5.2	9
16	First integrals and analytical solutions of some dynamical systems. <i>Nonlinear Dynamics</i> , 2019, 95, 1747-1765.	5.2	7
17	First integrals for a general linear system of two second-order ODEs via a partial Lagrangian. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 355207.	2.1	6
18	Approximate First Integrals for a System of Two Coupled Van Der Pol Oscillators with Linear Diffusive Coupling. <i>Mathematical and Computational Applications</i> , 2010, 15, 720-731.	1.3	5

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19	Nonclassical Symmetry Analysis of Boundary Layer Equations. Journal of Applied Mathematics, 2012, 2012, 1-7.	0.9	5
20	A Partial Lagrangian Approach to Mathematical Models of Epidemiology. Mathematical Problems in Engineering, 2015, 2015, 1-11.	1.1	5
21	Symmetry classification of time-fractional diffusion equation. Communications in Nonlinear Science and Numerical Simulation, 2017, 42, 560-570.	3.3	5
22	Conservation Laws and Exact Solutions of Generalized Nonlinear System and Nizhink-Novikov-Veselov Equation. Mathematical Problems in Engineering, 2018, 2018, 1-14.	1.1	5
23	Generalized compacton equation, conservation laws and exact solutions. Chaos, Solitons and Fractals, 2022, 154, 111604.	5.1	5
24	Similarity variables and reduction of the heat equation on torus. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 1251-1257.	3.3	4
25	Exact Solutions of Generalized Modified Boussinesq, Kuramoto-Sivashinsky, and Camassa-Holm Equations via Double Reduction Theory. Journal of Applied Mathematics, 2013, 2013, 1-8.	0.9	4
26	Partial Noether Operators and First Integrals for a System with two Degrees of Freedom. Journal of Nonlinear Mathematical Physics, 2008, 15, 165.	1.3	3
27	First Integrals for Two Linearly Coupled Nonlinear Duffing Oscillators. Mathematical Problems in Engineering, 2011, 2011, 1-14.	1.1	3
28	Conserved quantities for a class of (1+n)-dimensional linear evolution equation. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 2804-2814.	3.3	3
29	Mathematical Methods and Models in the Natural to the Life Sciences. Abstract and Applied Analysis, 2014, 2014, 1-2.	0.7	3
30	Generalised conservation laws, reductions and exact solutions of the $KK(m,n)$ equations via double reduction theory. Pramana - Journal of Physics, 2021, 95, 1.	1.8	3
31	Group Invariant Solution for a Liquid Film on the Surface of a Sphere. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2011, 66, 272-280.	1.5	2
32	Group classification and exact solutions of generalized modified Boussinesq equation. Applicable Analysis, 2015, 94, 1397-1404.	1.3	2
33	First integrals and exact solutions of some compartmental disease models. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 293-304.	1.5	2
34	Conservation Laws and Conserved Quantities for Laminar Radial Jets with Swirl. Mathematical and Computational Applications, 2010, 15, 742-761.	1.3	1
35	Closed-form solutions of two-sector Romer model of endogenous growth using partial Hamiltonian approach. Mathematical Methods in the Applied Sciences, 2020, 43, 5681-5691.	2.3	1
36	Closed-form solutions of an economic growth model of tourism. Mathematical Methods in the Applied Sciences, 2022, 45, 2949-2963.	2.3	1

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37	Conservation laws and exact solutions of a family of compacton-supporting equations. European Physical Journal Plus, 2022, 137, .	2.6	1
38	Conservation laws and exact solutions of a generalized Kadomtsevâ€“Petviashvili (KP)â€“like equation. Mathematical Methods in the Applied Sciences, 2022, 45, 11206-11223.	2.3	1
39	Analytical solutions of timeâ€“space fractional, advectionâ€“dispersion and Whithamâ€“Broerâ€“Kaup equations. Pramana - Journal of Physics, 2014, 83, 885-906.	1.8	0
40	Nonclassical Symmetry Analysis of Heated Two-Dimensional Flow Problems. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2015, 70, 1031-1037.	1.5	0
41	Qualitative and Quantitative Techniques for Differential Equations Arising in Mathematical Physics. Advances in Mathematical Physics, 2017, 2017, 1-2.	0.8	0
42	Finding the closed-form solutions of dissipative oscillatory systems. Scientific Reports, 2022, 12, 4825.	3.3	0