Abdul Hamid Kara

List of Publications by Year
in descending order

198 papers	**3,823** citations	136740 **32** h-index	174990 **52** g-index
198 all docs	**198** docs citations	**198** times ranked	**963** citing authors

#	Article	IF	Citations
1	Relationship between Symmetries andConservation Laws. International Journal of Theoretical Physics, 2000, 39, 23-40.	0.5	243
2	Noether-Type Symmetries and Conservation Laws Via Partial Lagrangians. Nonlinear Dynamics, 2006, 45, 367-383.	2.7	210
3	Optical solitons with complex Ginzburg–Landau equation. Nonlinear Dynamics, 2016, 85, 1979-2016.	2.7	135
4	Conservation laws for cubic–quartic optical solitons in Kerr and power law media. Optik, 2017, 145, 650-654.	1.4	127
5	Lie–Bäcklund and Noether Symmetries with Applications. Nonlinear Dynamics, 1998, 15, 115-136.	2.7	116
6	A Basis of Conservation Laws for Partial Differential Equations. Journal of Nonlinear Mathematical Physics, 2002, 9, 60.	0.8	105
7	A (2+1)-dimensional sine-Gordon and sinh-Gordon equations with symmetries and kink wave solutions. Nuclear Physics B, 2020, 953, 114956.	0.9	88
8	Couette flow of a third-grade fluid with variable magnetic field. Mathematical and Computer Modelling, 2006, 43, 132-137.	2.0	66
9	Additional conservation laws for Rosenau–KdV–RLW equation with power law nonlinearity by Lie symmetry. Nonlinear Dynamics, 2015, 79, 743-748.	2.7	66
10	A (2+1)-dimensional KdV equation and mKdV equation: Symmetries, group invariant solutions and conservation laws. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 728-731.	0.9	65
11	Symmetry analysis and conservation laws for the class of time-fractional nonlinear dispersive equation. Nonlinear Dynamics, 2015, 82, 281-287.	2.7	61
12	Exact flow of a third-grade fluid on a porous wall. International Journal of Non-Linear Mechanics, 2003, 38, 1533-1537.	1.4	55
13	Solitons and conservation laws in magneto-optic waveguides with triple-power law nonlinearity. Journal of Optics (India), 2020, 49, 584-590.	0.8	54
14	Generalization of the double reduction theory. Nonlinear Analysis: Real World Applications, 2010, 11, 3763-3769.	0.9	53
15	Optical soliton perturbation, group invariants and conservation laws of perturbed Fokas–Lenells equation. Chaos, Solitons and Fractals, 2018, 114, 275-280.	2.5	51
16	Approximate Symmetries and Conservation Laws with Applications. International Journal of Theoretical Physics, 1999, 38, 2389-2399.	0.5	49
17	Partial Noether operators and first integrals *via* partial Lagrangians. Mathematical Methods in the Applied Sciences, 2007, 30, 2079-2089.	1.2	47
18	Group analysis, exact solutions and conservation laws of a generalized fifth order KdV equation. Chaos, Solitons and Fractals, 2016, 86, 8-15.	2.5	47

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19	Solitons and conservation laws of Klein–Gordon equation with power law and log law nonlinearities. Nonlinear Dynamics, 2013, 73, 2191-2196.	2.7	46
20	Symmetry-invariant conservation laws of partial differential equations. European Journal of Applied Mathematics, 2018, 29, 78-117.	1.4	46
21	Noether Symmetries Versus Killing Vectors and Isometries of Spacetimes. International Journal of Theoretical Physics, 2006, 45, 1029-1039.	0.5	43
22	Conservation laws for optical solitons with Chen–Lee–Liu equation. Optik, 2018, 174, 195-198.	1.4	42
23	Approximate symmetries and conservation laws of the geodesic equations for the Schwarzschild metric. Nonlinear Dynamics, 2007, 51, 183-188.	2.7	40
24	Soliton Solution and Conservation Law of Gear-Grimshaw Model for Shallow Water Waves. Acta Physica Polonica A, 2014, 125, 1099-1107.	0.2	40
25	Noether versus Killing symmetry of conformally flat Friedmann metric. General Relativity and Gravitation, 2007, 39, 2053-2059.	0.7	38
26	Optical dromions, domain walls and conservation laws with Kundu–Mukherjee–Naskar equation via traveling waves and Lie symmetry. Results in Physics, 2020, 16, 102850.	2.0	38
27	Double reduction of a nonlinear (2+1) wave equation via conservation laws. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 1244-1253.	1.7	37
28	Optical soliton perturbation and conservation law with Kudryashov's refractive index having quadrupled power-law and dual form of generalized nonlocal nonlinearity. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2021, 24, 64-70.	0.3	36
29	Conservation laws for optical solitons in birefringent fibers and magneto-optic waveguides. Optik, 2016, 127, 11662-11673.	1.4	35
30	Solitons, Shock Waves, Conservation Laws and Bifurcation Analysis of Boussinesq Equation with Power Law Nonlinearity and Dual Dispersion. Applied Mathematics and Information Sciences, 2014, 8, 949-957.	0.7	35
31	Nonlinear evolution-type equations and their exact solutions using inverse variational methods. Journal of Physics A, 2005, 38, 4629-4636.	1.6	34
32	Symmetry reduction, exact group-invariant solutions and conservation laws of the Benjamin–Bona–Mahoney equation. Applied Mathematics Letters, 2013, 26, 376-381.	1.5	33
33	Optical solitons and conservation laws with anti-cubic nonlinearity. Optik, 2016, 127, 12056-12062.	1.4	33
34	Solitons and conservation laws in magneto–optic waveguides with generalized Kudryashov's equation. Chinese Journal of Physics, 2021, 69, 186-205.	2.0	33
35	Group theoretic methods for approximate invariants and Lagrangians for some classes of $y''+\epsilon F(t)y'^2+y=f(y,y'^2)$. International Journal of Non-Linear Mechanics, 2002, 37, 275-280.	1.4	31
36	Lie and Noether Counting Theorems for One-Dimensional Systems. Journal of Mathematical Analysis and Applications, 1993, 178, 116-129.	0.5	30

#	Article	IF	Citations
37	A Symmetry Invariance Analysis of the Multipliers & Conservation Laws of the Jaulentâ€"Miodek and Some Families of Systems of KdV Type Equations. Journal of Nonlinear Mathematical Physics, 2009, 16, 149.	0.8	28
38	Variational Formulation of Approximate Symmetries and Conservation Laws. International Journal of Theoretical Physics, 2001, 40, 1501-1509.	0.5	27
39	Approximate Noether-type symmetries and conservation laws via partial Lagrangians for PDEs with a small parameter. Journal of Computational and Applied Mathematics, 2009, 223, 508-518.	1.1	27
40	Solitary waves and conservation laws of Bona-Chen equations. Indian Journal of Physics, 2013, 87, 169-175.	0.9	26
41	Symmetries, conservation laws, reductions, and exact solutions for the Kleinâ€"Gordon equation in de Sitter spaceâ€"times. Canadian Journal of Physics, 2012, 90, 667-674.	0.4	25
42	Nonlocal symmetry analysis, explicit solutions and conservation laws for the fourth-order Burgersâ€™ equation. Chaos, Solitons and Fractals, 2015, 81, 290-298.	2.5	25
43	Optical solitons and conservation laws with polarizationâ€"mode dispersion for coupled Fokasâ€"Lenells equation using group invariance. Chaos, Solitons and Fractals, 2019, 120, 245-249.	2.5	25
44	Cubic-quartic optical solitons and conservation laws with Kudryashovâ€™s sextic power-law of refractive index. Optik, 2021, 227, 166059.	1.4	25
45	A note on a symmetry analysis and exact solutions of a nonlinear fin equation. Applied Mathematics Letters, 2006, 19, 1356-1360.	1.5	24
46	On the solutions and conservation laws of the model for tumor growth in the brain. Journal of Mathematical Analysis and Applications, 2009, 350, 256-261.	0.5	24
47	Optical solitons and conservation laws for driven nonlinear SchrÃ¶dinger's equation with linear attenuation and detuning. Optics and Laser Technology, 2013, 45, 402-405.	2.2	24
48	Optical solitons and conservation law in birefringent fibers with Kunduâ€"Eckhaus equation by extended trial function method. Optik, 2019, 179, 471-478.	1.4	24
49	Conservation Laws for Highly Dispersive Optical Solitons in Birefringent Fibers. Regular and Chaotic Dynamics, 2020, 25, 166-177.	0.3	24
50	Soliton solution and conservation laws of the Zakharov equation in plasmas with power law nonlinearity. Nonlinear Analysis: Modelling and Control, 2013, 18, 153-159.	1.1	24
51	The unsteady flow of a fourth-grade fluid past a porous plate. Mathematical and Computer Modelling, 2005, 41, 1347-1353.	2.0	23
52	A note on some perfect fluid Kantowskiâ€"Sachs and Bianchi type III spacetimes and their conformal vector fields in $f(R)$ theory of gravity. Modern Physics Letters A, 2019, 34, 1950079.	0.5	23
53	Exact solutions using symmetry methods and conservation laws for the viscous flow through expandingâ€"contracting channels. Applied Mathematical Modelling, 2008, 32, 2936-2940.	2.2	22
54	Soliton solutions and conservation laws of the Gilsonâ€"Pickering equation. Waves in Random and Complex Media, 2011, 21, 378-385.	1.6	22

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55	A basis of approximate conservation laws for PDEs with a small parameter. International Journal of Non-Linear Mechanics, 2006, 41, 830-837.	1.4	21
56	Conservation laws for optical solitons with spatio-temporal dispersion. Journal of Electromagnetic Waves and Applications, 2014, 28, 242-252.	1.0	21
57	Some new exact wave solutions and conservation laws of potential Korteweg–de Vries equation. Nonlinear Dynamics, 2017, 89, 501-508.	2.7	21
58	A note on the solutions of the Emden-Fowler equation. International Journal of Non-Linear Mechanics, 1993, 28, 379-384.	1.4	20
59	Cubic–quartic optical soliton perturbation and conservation laws with Kudryashov's law of refractive index. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126884.	0.9	20
60	A variational analysis of a non-Newtonian flow in a rotating system. International Journal of Computational Fluid Dynamics, 2006, 20, 157-162.	0.5	19
61	Symmetry classifications and reductions of some classes of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mo stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:mo>+</mml:mo><mml:mn>1</mml:mn><mml:mo>) Tj ETQq1 1 0.784314 ... and Applications, 2008, 339, 175-181.	1.0	19
62	Conservation laws, multipliers, adjoint equations and Lagrangians for Jaulent–Miodek and some families of systems of KdV type equations. Nonlinear Dynamics, 2015, 81, 753-763.	2.7	19
63	On the invariance and conservation laws of the Biswas–Arshed equation in fiber-optic transmissions. Optik, 2019, 190, 50-53.	1.4	19
64	(2+1)-dimensional Boiti–Leon–Pempinelli equation – Domain walls, invariance properties and conservation laws. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126255.	0.9	19
65	Equivalent lagrangians and the solution of some classes of non-linear equations. International Journal of Non-Linear Mechanics, 1992, 27, 919-927.	1.4	18
66	A the invariance and conservation laws of the Triki-Biswas equation describing monomode optical fibers. Optik, 2019, 186, 300-302.	1.4	18
67	Investigation of Coriolis effect on oceanic flows and its bifurcation via geophysical Korteweg–de Vries equation. Numerical Methods for Partial Differential Equations, 2020, 36, 1234-1253.	2.0	18
68	Solitons and conservation laws in magneto–optic waveguides having parabolic–nonlocal law of refractive index. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126814.	0.9	18
69	1-Soliton solution and conservation laws of the generalizedDullin–Gottwald–Holm equation. Applied Mathematics and Computation, 2010, 217, 929-932.	1.4	17
70	Solitons and conservation laws of coupled Ostrovsky equation for internal waves. Applied Mathematics and Computation, 2015, 258, 95-99.	1.4	17
71	Propagation of nonlinear shock waves for the generalised Oskolkov equation and its dynamic motions in the presence of an external periodic perturbation. Pramana - Journal of Physics, 2018, 90, 1.	0.9	17
72	A pen-picture of solitons and conservation laws in magneto-optic waveguides having quadratic-cubic law of nonlinear refractive index. Optik, 2020, 223, 165330.	1.4	17

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73	Solitons and conservation laws in magneto-optic waveguides with generalized Kudryashov's equation by the unified auxiliary equation approach. Optik, 2021, 245, 167694.	1.4	17
74	Travelling wave solutions to Stokes' problem for a fourth grade fluid. Applied Mathematical Modelling, 2009, 33, 1613-1619.	2.2	16
75	Cubic–quartic optical soliton perturbation and conservation laws with generalized Kudryashov's form of refractive index. Journal of Optics (India), 2021, 50, 354-360.	0.8	16
76	Conservation laws for highly dispersive optical solitons. Optik, 2019, 199, 163283.	1.4	15
77	On the computation of analytical solutions of an unsteady magnetohydrodynamics flow of a third grade fluid with Hall effects. Computers and Mathematics With Applications, 2011, 61, 980-987.	1.4	14
78	New higher-order conservation laws of some classes of wave and Gordon-type equations. Nonlinear Dynamics, 2012, 67, 97-102.	2.7	14
79	Domain walls to Boussinesq-type equations in (2Â+Â1)-dimensions. Indian Journal of Physics, 2014, 88, 751-755.	0.9	14
80	Dark optical solitons and conservation laws for parabolic and dual-power law nonlinearities in (2 +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	14
81	Highly dispersive optical solitons and conservation laws in absence of self–phase modulation with new Kudryashov's approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 431, 128001.	0.9	14
82	Exact solutions of some general nonlinear wave equations in elasticity. Nonlinear Dynamics, 2007, 48, 49-54.	2.7	13
83	Symmetries, Conservation Laws and Multipliers viaÂPartial Lagrangians and Noether's Theorem forÂClassically Non-Variational Problems. International Journal of Theoretical Physics, 2007, 46, 3022-3029.	0.5	13
84	Classification of Static Spherically Symmetric Spacetimes by Noether Symmetries. International Journal of Theoretical Physics, 2013, 52, 3534-3542.	0.5	13
85	A note on classification of teleparallel conformal symmetries in non-static plane symmetric space-times in the teleparallel theory of gravitation using diagonal tetrads. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1650046.	0.8	13
86	Highly dispersive optical solitons in polarization–preserving fibers with Kerr law nonlinearity by Lie symmetry. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 421, 127768.	0.9	13
87	Conservation laws and associated symmetries for some classes of soil water motion equations. International Journal of Non-Linear Mechanics, 2001, 36, 1041-1045.	1.4	12
88	Exact solutions of thin film flows. Nonlinear Dynamics, 2007, 50, 229-233.	2.7	12
89	1-Soliton solution and conservation laws for nonlinear wave equation in semiconductors. Applied Mathematics and Computation, 2010, 217, 4289-4292.	1.4	12
90	1-Soliton solution and conservation laws for the Jaulent–Miodekequation with power law nonlinearity. Applied Mathematics and Computation, 2010, 217, 944-948.	1.4	12

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91	SOLITONS AND CONSERVATION LAWS IN NEUROSCIENCES. International Journal of Biomathematics, 2013, 06, 1350017.	1.5	12
92	An analysis of the Zhiber-Shabat equation including Lie point symmetries and conservation laws. Collectanea Mathematica, 2016, 67, 55-62.	0.4	12
93	Group Analysis, Fractional Explicit Solutions and Conservation Laws of Time Fractional Generalized Burgers Equation. Communications in Theoretical Physics, 2018, 69, 5.	1.1	12
94	Conservation Laws for Regularized Long Wave Equation and <I>R</I>(<I>m</I>,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	12
95	Wave equation on spherically symmetric Lorentzian metrics. Journal of Mathematical Physics, 2011, 52, .	0.5	11
96	Double reductions/analysis of the Drinfeldâ€"Sokolovâ€"Wilson equation. Applied Mathematics and Computation, 2013, 219, 6473-6483.	1.4	11
97	Proper projective symmetry in Bianchi type I space-times. European Physical Journal Plus, 2013, 128, 1.	1.2	11
98	Conservation laws for some systems of nonlinear PDEs via the symmetry/adjoint symmetry pair method. Journal of Mathematical Analysis and Applications, 2016, 436, 94-103.	0.5	11
99	Embedded Solitons and Conservation Law with $Ï‡^{(2)}$ and $Ï‡^{(3)}$ Nonlinear Susceptibilities. Acta Physica Polonica A, 2017, 131, 297-303.	0.2	11
100	Noether Equivalence Problem for Particle Lagrangians. Journal of Mathematical Analysis and Applications, 1994, 188, 867-884.	0.5	10
101	Nonclassical Potential Symmetry Generators of Differential Equations. Nonlinear Dynamics, 2002, 30, 167-177.	2.7	10
102	On the invariances, conservation laws, and conserved quantities of the dampedâ€"driven nonlinear SchrÃ¶dinger equation. Canadian Journal of Physics, 2012, 90, 199-206.	0.4	10
103	Classification of proper non-static cylindrically symmetric perfect fluid space-times via conformal vector fields in f(R) gravity. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050147.	0.8	10
104	Invariant analysis and conservation laws of time fractional SchrÃ¶dinger equations. Optik, 2020, 206, 164356.	1.4	10
105	Optical solitons and conservation law with Kudryashovâ€™s form of arbitrary refractive index. Journal of Optics (India), 2021, 50, 542-547.	0.8	10
106	An Analysis of the Symmetries and Conservation Laws of the Class of Zakharov-Kuznetsov Equations. Mathematical and Computational Applications, 2010, 15, 658-664.	0.7	9
107	Topological solitons, cnoidal waves and conservation laws of coupled wave equations. Indian Journal of Physics, 2013, 87, 1233-1241.	0.9	9
108	Invariances and Conservation Laws Based on Some FRW Universes. International Journal of Theoretical Physics, 2014, 53, 1483-1494.	0.5	9

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109	Nonlocal symmetry analysis and conservation laws to an third-order Burgers equation. Nonlinear Dynamics, 2016, 83, 2281-2292.	2.7	9
110	Soliton perturbation and conservation laws in magneto-optic waveguides with parabolic law nonlinearity. Optik, 2020, 220, 165196.	1.4	9
111	Exact Group Invariant Solutions and Conservation Laws of the Complex Modified Korteweg–de Vries Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2013, 68, 510-514.	0.7	8
112	Classification of Variational Conservation Laws of General Plane Symmetric Spacetimes. Communications in Theoretical Physics, 2017, 68, 335.	1.1	8
113	A note on proper curvature symmetry in general cylindrically symmetric four-dimensional Lorentzian manifolds. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850105.	0.8	8
114	Symmetry analysis and conservation laws of some third-order difference equations. Journal of Difference Equations and Applications, 2018, 24, 1-14.	0.7	8
115	Optical soliton perturbation and conservation law with Kudryashov's refractive index having quadrupled power-law and dual form of generalized nonlocal nonlinearity. Optik, 2021, 240, 166966.	1.4	8
116	Cubic–quartic optical soliton perturbation and conservation laws with Lakshmanan–Porsezian–Daniel model: Undetermined coefficients. Journal of Nonlinear Optical Physics and Materials, 0, , 2150007.	1.1	8
117	Conservation laws of the Bretherton Equation. Applied Mathematics and Information Sciences, 2013, 7, 877-879.	0.7	8
118	Group analysis, nonlinear self-adjointness, conservation laws, and soliton solutions for the mKdV systems. Nonlinear Analysis: Modelling and Control, 2017, 22, 334-346.	1.1	8
119	Conservation laws of a nonlinear wave equation. Nonlinear Analysis: Real World Applications, 2010, 11, 2237-2242.	0.9	7
120	On the Lie point symmetry analysis and solutions of the inviscid Burgers equation. Pramana - Journal of Physics, 2011, 77, 407-414.	0.9	7
121	Cubic–Quartic Optical Solitons and Conservation Laws with Kudryashov's Law of Refractive Index by Extended Trial Function. Computational Mathematics and Mathematical Physics, 2021, 61, 1995-2003.	0.2	7
122	Classification of first-order Lagrangians on the line. International Journal of Theoretical Physics, 1995, 34, 2267-2274.	0.5	6
123	On the Symmetry Structures of the Minkowski Metric and a Weyl Re-Scaled Metric. International Journal of Theoretical Physics, 2007, 46, 2795-2800.	0.5	6
124	Invariance Analysis and Variational Conservation Laws for the Wave Equation on Some Manifolds. International Journal of Theoretical Physics, 2009, 48, 1919-1928.	0.5	6
125	On the Redefinition of the Variational and `Partial' Variational Conservation Laws in a Class of Nonlinear PDEs with Mixed Derivatives. Mathematical and Computational Applications, 2010, 15, 732-741.	0.7	6
126	Solitary waves and conservation laws of complex-valued Klein–Gordon equation in $$Upphi$$ φ -4 field theory. Indian Journal of Physics, 2014, 88, 311-315.	0.9	6

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127	Symmetry and conservation law structures of some anti-self-dual (ASD) manifolds. Pramana - Journal of Physics, 2016, 87, 1.	0.9	6
128	Cubic–quartic polarized optical solitons and conservation laws for perturbed Fokas–Lenells model. Journal of Nonlinear Optical Physics and Materials, 2021, 30, .	1.1	6
129	Conservation laws for solitons in magneto–optic waveguides with dual–power law nonlinearity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 416, 127667.	0.9	6
130	On the invariance and conservation laws of differential equations. Transactions of the Royal Society of South Africa, 2021, 76, 89-95.	0.8	6
131	Potential Symmetries and Associated Conservation Laws with Application to Wave Equations. Nonlinear Dynamics, 2003, 33, 369-377.	2.7	5
132	Solitary wave solutions to some classes of nonlinear evolution type equations using inverse variational methods. Nonlinear Analysis: Theory, Methods & Applications, 2007, 67, 3194-3198.	0.6	5
133	Conservation Laws and Associated Noether Type Vector Fields via Partial Lagrangians and Noether's Theorem for the Liang Equation. International Journal of Theoretical Physics, 2008, 47, 3075-3081.	0.5	5
134	The Noether Conservation Laws of Some Vaidiya Metrics. International Journal of Theoretical Physics, 2010, 49, 260-269.	0.5	5
135	A symmetry analysis of some classes of evolutionary nonlinear (2+1)-diffusion equations with variable diffusivity. Nonlinear Dynamics, 2010, 62, 127-138.	2.7	5
136	The symmetries and conservation laws of some Gordon-type equations in Milne space-time. Pramana - Journal of Physics, 2013, 80, 739-755.	0.9	5
137	Symmetry reductions and conservation laws of the short pulse equation. Optik, 2016, 127, 10201-10207.	1.4	5
138	On a study of symmetries and conservation laws of a class of time fractional Schrödinger equations with nonlocal nonlinearities. Optik, 2020, 224, 165619.	1.4	5
139	Invariant solutions of certain nonlinear evolution type equations with small parameters. Applied Mathematics and Computation, 2006, 182, 1075-1082.	1.4	4
140	On approximate Lagrangians and invariants for scaling reductions of a non-linear wave equation with damping. Applied Mathematics and Computation, 2008, 206, 16-20.	1.4	4
141	Higher-order symmetries and conservation laws of multi-dimensional Gordon-type equations. Pramana - Journal of Physics, 2011, 77, 447-460.	0.9	4
142	On symmetries, reductions, conservation laws and conserved quantities of optical solitons with inter-modal dispersion. Optik, 2013, 124, 5116-5123.	1.4	4
143	Similarity solutions and conservation laws for rotating flows of an Oldroyd-B fluid. Indian Journal of Physics, 2013, 87, 1035-1040.	0.9	4
144	Symmetry structure of a wave equation on some classes of Bianchi cosmological models. Indian Journal of Physics, 2015, 89, 411-416.	0.9	4

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145	Image Processing and â€˜Noise Removal Algorithmsâ€™â€"The Pdes and Their Invariance Properties & Conservation Laws. Acta Applicandae Mathematicae, 2018, 153, 163-169.	0.5	4
146	Symmetries and conservation laws of some asymptotically symmetric spacetimes of interest in gravitational waves. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950152.	0.8	4
147	Conservation Laws for Solitons in Magneto-optic Waveguides with Anti-cubic and Generalized Anti-cubic Nonlinearities. Regular and Chaotic Dynamics, 2021, 26, 456-461.	0.3	4
148	Shallow Water Waves and Conservation Laws with Dispersion Triplet. Applied Sciences (Switzerland), 2022, 12, 3647.	1.3	4
149	On the conserved quantities and associated symmetries for some classes of perturbed wave equations with non-linearities. International Journal of Non-Linear Mechanics, 2001, 36, 125-130.	1.4	3
150	Potential symmetry generators and associated conservation laws of perturbed nonlinear equations. Applied Mathematics and Computation, 2004, 156, 271-285.	1.4	3
151	Symmetries and Differential Forms. Journal of Nonlinear Mathematical Physics, 2008, 15, 36.	0.8	3
152	New conservation laws of some third-order systems of pdes arising from higher-order multipliers. Applied Mathematics and Computation, 2010, 217, 2639-2643.	1.4	3
153	A Complete Symmetry Classification and Reduction of Some Classes of the Nonlinear (1-2) Wave Equation. Quaestiones Mathematicae, 2010, 33, 75-94.	0.2	3
154	A Group Theory Approach towards Some Rational Difference Equations. Journal of Mathematics, 2019, 2019, 1-9.	0.5	3
155	Conservation laws for optical solitons with non-local nonlinearity. Optik, 2019, 178, 846-849.	1.4	3
156	Highly dispersive optical solitons and conservation laws with Kudryashovâ€™s sextic power-law of nonlinear refractive index. Optik, 2021, 240, 166915.	1.4	3
157	Nonlocal Symmetries and Associated Conservation Laws for Wave Equations with Variable Speeds. International Journal of Theoretical Physics, 2000, 39, 2503-2512.	0.5	2
158	Equivalent Lagrangians and the Inverse Variational Problem with Applications. Quaestiones Mathematicae, 2004, 27, 207-216.	0.2	2
159	On the Exact Solutions of the Nonlinear Wave and (omega)4-Model Equations. Journal of Nonlinear Mathematical Physics, 2008, 15, 105.	0.8	2
160	CONSERVATION LAWS OF SOME NON-VARIATIONAL PERTURBED PDE'S VIA A PARTIAL VARIATIONAL APPROACH. International Journal of Modern Physics B, 2010, 24, 4253-4267.	1.0	2
161	A note on the interplay between symmetries, reduction and conservation laws of Stokesâ€™ first problem for third-grade rotating fluids. Pramana - Journal of Physics, 2011, 77, 439-445.	0.9	2
162	An Analysis of the Invariance and Conservation Laws of Some Classes of Nonlinear Ostrovsky Equations and Related Systems. Chinese Physics Letters, 2011, 28, 010201.	1.3	2

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163	Symmetry structures and conservation laws of Petrov III and Papapetrou metrics. Indian Journal of Physics, 2013, 87, 717-722.	0.9	2
164	Reductions and new exact solutions of the density-dependent Nagumo and Fisher equations. Journal of Engineering Mathematics, 2013, 82, 77-83.	0.6	2
165	On the Reduction of Some Dispersionless Integrable Systems. Acta Applicandae Mathematicae, 2014, 132, 371-376.	0.5	2
166	On double reduction of short pulse equation. AIP Conference Proceedings, 2015, , .	0.3	2
167	The geometry and invariance properties for certain classes of metrics with neutral signature. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1650080.	0.8	2
168	Optimal system and classification of invariant solutions of nonlinear class of wave equations and their conservation laws. Journal of Mathematical Analysis and Applications, 2022, 505, 125615.	0.5	2
169	CANONICAL FORMS FOR PARTICLE LAGRANGIANS OF THE LINEAR SECOND-ORDER EQUATION. Quaestiones Mathematicae, 1994, 17, 469-477.	0.2	1
170	An analysis of the conservation laws for certain third-grade fluids. Nonlinear Analysis: Real World Applications, 2010, 11, 3236-3241.	0.9	1
171	Equivalent Lagrangians: Generalization, Transformation Maps, and Applications. Journal of Applied Mathematics, 2012, 2012, 1-19.	0.4	1
172	Invariance, Conservation Laws, and Exact Solutions of the Nonlinear Cylindrical Fin Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2014, 69, 195-198.	0.7	1
173	Symmetry and transformation properties of iterative ordinary differential equation. Journal of Mathematical Analysis and Applications, 2014, 415, 135-147.	0.5	1
174	Invariance analysis and reduction of discrete Painlevé equations. Journal of Difference Equations and Applications, 2016, 22, 1378-1388.	0.7	1
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