

Stanislav Yu Lukashchuk

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

646
citations

1040056

9
h-index

752698

20
g-index

30
all docs

30
docs citations

30
times ranked

227
citing authors

#	ARTICLE	IF	CITATIONS
1	Symmetry properties of fractional diffusion equations. <i>Physica Scripta</i> , 2009, T136, 014016.	2.5	209
2	Conservation laws for time-fractional subdiffusion and diffusion-wave equations. <i>Nonlinear Dynamics</i> , 2015, 80, 791-802.	5.2	156
3	Nonlinear self-adjointness, conservation laws and exact solutions of time-fractional Kompaneets equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 23, 153-163.	3.3	115
4	Group classification of nonlinear time-fractional diffusion equation with a source term. <i>Applied Mathematics and Computation</i> , 2015, 257, 335-343.	2.2	30
5	Constructing conservation laws for fractional-order integro-differential equations. <i>Theoretical and Mathematical Physics (Russian Federation)</i> , 2015, 184, 1049-1066.	0.9	21
6	Group-Invariant Solutions of Fractional Differential Equations. , 2011, , 51-59.		18
7	An approximate solution method for ordinary fractional differential equations with the Riemannâ€“Liouville fractional derivatives. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014, 19, 390-400.	3.3	11
8	Approximate conservation laws for fractional differential equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 68, 147-159.	3.3	11
9	Estimation of parameters in fractional subdiffusion equations by the time integral characteristics method. <i>Computers and Mathematics With Applications</i> , 2011, 62, 834-844.	2.7	10
10	Symmetry reduction and invariant solutions for nonlinear fractional diffusion equation with a source term. <i>Ufimskij Matematicheskiy Å¾urnal</i> , 2016, 8, 111-122.	0.7	10
11	Approximate symmetry group classification for a nonlinear fractional filtration equation of diffusion-wave type. <i>Nonlinear Dynamics</i> , 2018, 93, 295-305.	5.2	8
12	Lie group analysis of 2â€“dimensional spaceâ€“fractional model for flow in porous media. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 9123-9133.	2.3	8
13	Symmetries, conservation laws and group invariant solutions of fractional PDEs. , 2019, , 353-382.		7
14	Linearly autonomous symmetries of the ordinary fractional differential equations. , 2014, , .		6
15	Higher-Order Symmetries of a Time-Fractional Anomalous Diffusion Equation. <i>Mathematics</i> , 2021, 9, 216.	2.2	5
16	Time-fractional extensions of the Liouville and Zwanzig equations. <i>Open Physics</i> , 2013, 11, .	1.7	4
17	Approximations of Fractional Differential Equations and Approximate Symmetries. <i>IFAC-PapersOnLine</i> , 2017, 50, 14022-14027.	0.9	4
18	Approximation of ordinary fractional differential equations by differential equations with a small parameter. <i>Vestnik Udmurtskogo Universiteta: Matematika, Mekhanika, Komp'yuternye Nauki</i> , 2017, 27, 515-531.	0.2	3

#	ARTICLE	IF	CITATIONS
19	A fast algorithm for fractional Helmholtz equation with application to electromagnetic waves propagation. Applied Mathematics and Computation, 2022, 416, 126728.	2.2	3
20	Symmetry Group Classification and Conservation Laws of the Nonlinear Fractional Diffusion Equation with the Riesz Potential. Symmetry, 2020, 12, 178.	2.2	2
21	Factorization of the Fundamental Solution to Fractional Helmholtz Equation. Lobachevskii Journal of Mathematics, 2021, 42, 57-62.	0.9	2
22	Group classification and symmetry reduction of three-dimensional nonlinear anomalous diffusion equation. Ufimskij Matematicheskiy Zhurnal, 2019, 11, 13-26.	0.7	2
23	Symmetries and exact solutions of fractional filtration equations. AIP Conference Proceedings, 2017, , .	0.4	1
24	Numerical investigation of radial steady-state fluid flow model with Riesz potential. AIP Conference Proceedings, 2020, , .	0.4	0
25	Group classification and symmetry reduction of 3D nonlinear anomalous diffusion equation. AIP Conference Proceedings, 2020, , .	0.4	0
26	Numerical algorithms for a fractional generalization of the Poisson equation. AIP Conference Proceedings, 2020, , .	0.4	0
27	On the Property of Linear Autonomy for Symmetries of Fractional Differential Equations and Systems. Mathematics, 2022, 10, 2319.	2.2	0