

Yuri N Fedorov

List of Publications by Year in descending order

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docs citations

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114
citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete Geodesic Flows on Stiefel Manifolds. Proceedings of the Steklov Institute of Mathematics, 2020, 310, 163-174.	0.3	0
2	On the Construction of Elliptic Solutions of Integrable Birational Maps. Experimental Mathematics, 2017, 26, 324-341.	0.7	7
3	The motion of the 2D hydrodynamic Chaplygin sleigh in the presence of circulation. Discrete and Continuous Dynamical Systems, 2013, 33, 4017-4040.	0.9	5
4	Three natural mechanical systems on Stiefel varieties. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 165204.	2.1	1
5	Geodesic flows and Neumann systems on Stiefel varieties: geometry and integrability. Mathematische Zeitschrift, 2012, 270, 659-698.	0.9	12
6	The Poisson equations in the nonholonomic Suslov problem: integrability, meromorphic and hypergeometric solutions. Nonlinearity, 2009, 22, 2231-2259.	1.4	23
7	Dynamical systems on infinitely sheeted Riemann surfaces. Physica D: Nonlinear Phenomena, 2007, 227, 120-134.	2.8	20
8	Quasi-Chaplygin Systems and Nonholonomic Rigid Body Dynamics. Letters in Mathematical Physics, 2006, 76, 215-230.	1.1	16
9	Integrable flows and Bäcklund transformations on extended Stiefel varieties with application to the Euler top on the Lie group $SO(3)$. Journal of Nonlinear Mathematical Physics, 2005, 12, 77.	1.3	18
10	Algebraic geometrical solutions for certain evolution equations and Hamiltonian flows on nonlinear subvarieties of generalized Jacobians. Inverse Problems, 2001, 17, 1017-1042.	2.0	65
11	The Complex Geometry of Weak Piecewise Smooth Solutions of Integrable Nonlinear PDE's of Shallow Water and Dym Type. Communications in Mathematical Physics, 2001, 221, 197-227.	2.2	81
12	Wave solutions of evolution equations and Hamiltonian flows on nonlinear subvarieties of generalized Jacobians. Journal of Physics A, 2000, 33, 8409-8425.	1.6	22
13	On billiard solutions of nonlinear PDEs. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 264, 171-178.	2.1	38