

# Yuri N Fedorov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11892034/publications.pdf>

Version: 2024-02-01

13  
papers

308  
citations

1040056

9  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

114  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	On billiard solutions of nonlinear PDEs. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 264, 171-178.	2.1	38
4	The Poisson equations in the nonholonomic Suslov problem: integrability, meromorphic and hypergeometric solutions. Nonlinearity, 2009, 22, 2231-2259.	1.4	23
5	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
6	Dynamical systems on infinitely sheeted Riemann surfaces. Physica D: Nonlinear Phenomena, 2007, 227, 120-134.	2.8	20
7	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
8	Quasi-Chaplygin Systems and Nonholonomic Rigid Body Dynamics. Letters in Mathematical Physics, 2006, 76, 215-230.	1.1	16
9	Geodesic flows and Neumann systems on Stiefel varieties: geometry and integrability. Mathematische Zeitschrift, 2012, 270, 659-698.	0.9	12
10	On the Construction of Elliptic Solutions of Integrable Birational Maps. Experimental Mathematics, 2017, 26, 324-341.	0.7	7
11	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
12	Three natural mechanical systems on Stiefel varieties. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 165204.	2.1	1
13	Discrete Geodesic Flows on Stiefel Manifolds. Proceedings of the Steklov Institute of Mathematics, 2020, 310, 163-174.	0.3	0