

# Yury Blinkov

## List of Publications by Year in descending order

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21  
papers

300  
citations

1478505

6  
h-index

940533

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

50  
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal waves in coaxial elastic shells with account for structural damping and with fluid inside. , 2021, , .		0
2	On differential approximations of difference schemes. Izvestiya of Saratov University New Series Series: Mathematics Mechanics Informatics, 2021, 21, 472-488.	0.3	1
3	Mathematical Modeling of Waves in a Non-linear Shell with Viscous Liquid Inside It, Taking into Account Its Movement Inertia. Studies in Systems, Decision and Control, 2019, , 660-670.	1.0	0
4	Generation and Analysis of a New Implicit Difference Scheme for the Korteweg-de Vries Equation. EPJ Web of Conferences, 2018, 173, 03006.	0.3	0
5	Mathematical Modeling of Nonlinear Waves in an Elastic Cylindrical Shell Surrounded by an Elastic Medium and Containing a Viscous Incompressible Liquid. Acoustical Physics, 2018, 64, 274-279.	1.0	5
6	Discretization of quasilinear evolution equations by computer algebra methods. Programming and Computer Software, 2017, 43, 84-89.	0.9	5
7	Algebraic construction and numerical behavior of a new s-consistent difference scheme for the 2D Navier-Stokes equations. Applied Mathematics and Computation, 2017, 314, 408-421.	2.2	6
8	Wave Occurrences Mathematical Modeling in Two Geometrically Nonlinear Elastic Coaxial Cylindrical Shells, Containing Viscous Incompressible Liquid. Izvestiya of Saratov University New Series Series: Mathematics Mechanics Informatics, 2016, 16, 184-197.	0.3	1
9	Nonlinear Waves Mathematical Modeling in Coaxial Shells Filled with Viscous Liquid. Izvestiya of Saratov University New Series Series: Mathematics Mechanics Informatics, 2016, 16, 331-336.	0.3	0
10	On computation of Boolean involutive bases. Programming and Computer Software, 2010, 36, 117-123.	0.9	2
11	Specialized computer algebra system GINV. Programming and Computer Software, 2008, 34, 112-123.	0.9	9
12	On selection of nonmultiplicative prolongations in computation of Janet bases. Programming and Computer Software, 2007, 33, 147-153.	0.9	5
13	Generation of difference schemes for the burgers equation by constructing Gröbner bases. Programming and Computer Software, 2006, 32, 114-117.	0.9	6
14	Gröbner Bases and Generation of Difference Schemes for Partial Differential Equations. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2006, , .	0.5	12
15	Computation of Janet Bases for Toric Ideals. Programming and Computer Software, 2002, 28, 290-292.	0.9	0
16	Method of Separative Monomials for Involutive Divisions. Programming and Computer Software, 2001, 27, 139-141.	0.9	3
17	Fast Search for the Janet Divisor. Programming and Computer Software, 2001, 27, 22-24.	0.9	9
18	Involutive bases of polynomial ideals. Mathematics and Computers in Simulation, 1998, 45, 519-541.	4.4	144

#	ARTICLE	IF	CITATIONS
19	Minimal involutive bases. Mathematics and Computers in Simulation, 1998, 45, 543-560.	4.4	65
20	Minimal involutive bases. SIGSAM Bulletin: A Quarterly Publication of the Special Interest Group on Symbolic & Algebraic Manipulation, 1997, 31, 44.	0.3	1
21	Involution approach to investigating polynomial systems. Mathematics and Computers in Simulation, 1996, 42, 323-332.	4.4	26