

# Alexander S Mikhaylov

## List of Publications by Year in descending order

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35  
papers

84  
citations

1684188

5  
h-index

1588992

8  
g-index

35  
all docs

35  
docs citations

35  
times ranked

20  
citing authors

#	ARTICLE	IF	CITATIONS
1	The boundary control method and de Branges spaces. Schrödinger equation, Dirac system and discrete Schrödinger operator. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 460, 927-953.	1.0	12
2	Dynamic inverse problem for Jacobi matrices. <i>Inverse Problems and Imaging</i> , 2019, 13, 431-447.	1.1	9
3	Dynamical inverse problem for the discrete Schrödinger operator. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2016, , 842-853.	0.4	8
4	L <sup>3</sup> -solutions to the 3D-Navier-Stokes system in a domain with a curved boundary. <i>Journal of Mathematical Sciences</i> , 2007, 143, 2924-2935.	0.4	7
5	Equations of the Boundary Control method for the inverse source problem. <i>Journal of Mathematical Sciences</i> , 2013, 194, 67-71.	0.4	5
6	Inverse dynamic problem for a Krein–Stieltjes string. <i>Applied Mathematics Letters</i> , 2019, 96, 195-201.	2.7	5
7	On some applications of the boundary control method to spectral estimation and inverse problems. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2015, , 63-78.	0.4	5
8	Phase transitions in multi-phase media. <i>Journal of Mathematical Sciences</i> , 2000, 102, 4436-4472.	0.4	4
9	On the relationship between Weyl functions of Jacobi matrices and response vectors for special dynamical systems with discrete time. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 6401-6408.	2.3	4
10	Inverse problem for dynamical system associated with Jacobi matrices and classical moment problems. <i>Journal of Mathematical Analysis and Applications</i> , 2020, 487, 123970.	1.0	4
11	On local regularity for suitable weak solutions of the Navier–Stokes equations near the boundary. <i>Journal of Mathematical Sciences</i> , 2011, 178, 282-291.	0.4	3
12	Inverse dynamic and spectral problems for the one-dimensional Dirac system on a finite tree. <i>Journal of Inverse and Ill-Posed Problems</i> , 2018, 26, 673-680.	1.0	3
13	Remark on Covering Theorem. <i>Journal of Mathematical Sciences</i> , 2002, 112, 4024-4028.	0.4	2
14	Local regularity for suitable weak solutions of Navier–Stokes equations near the boundary. <i>Journal of Mathematical Sciences</i> , 2010, 166, 40-52.	0.4	2
15	Relationship Between Different Types of Inverse Data for the One-Dimensional Schrödinger Operator on a Half-Line. <i>Journal of Mathematical Sciences</i> , 2017, 226, 779-794.	0.4	2
16	Inverse dynamic problems for canonical systems and de Branges spaces. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2018, 9, 215-224.	0.4	2
17	Title is missing!. <i>Journal of Mathematical Sciences</i> , 2001, 106, 2975-2988.	0.4	1
18	Estimates of deviations from the exact solution of the Stokes problem in the vorticity-velocity-pressure formulation. <i>Journal of Mathematical Sciences</i> , 2012, 185, 698-706.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Inverse dynamic problem for canonical systems with smooth strictly positive Hamiltonians and de Branges spaces. , 2018, , .		1
20	On an inverse problem in photoacoustics. Journal of Inverse and Ill-Posed Problems, 2019, 27, 241-254.	1.0	1
21	Forward and inverse dynamic problems for a Krein string. Approximation by point-mass densities. , 2019, , .		1
22	Inverse problem for the Schrödinger equation with non-self-adjoint matrix potential. Inverse Problems, 2021, 37, 035002.	2.0	1
23	Finite Toda lattice and classical moment problem. Nanosystems: Physics, Chemistry, Mathematics, 2020, 11, 25-29.	0.4	1
24	Dependence of Equilibrium States on Parameters of the Phase Transition Problem under Implicit Accounting of Energy of the Boundary of the Interface of the Phases. Journal of Mathematical Sciences, 2004, 122, 3265-3277.	0.4	0
25	On recovery of inverse spectral data from inverse dynamical data by means of Boundary Control method. , 2015, , .		0
26	Quantum and acoustic scattering on $\mathbb{R}^n$ and a representation of the scattering matrix. , 2017, , .		0
27	On an Inverse Dynamic Problem for the Wave Equation with a Potential on a Real Line. Journal of Mathematical Sciences, 2019, 238, 701-714.	0.4	0
28	The One-Dimensional Inverse Problem in Photoacoustics. Numerical Testing. Journal of Mathematical Sciences, 2019, 243, 726-733.	0.4	0
29	Forward and Inverse Problems for a Finite Krein–Stieltjes String. Approximation of Constant Density by Point Masses. Journal of Mathematical Sciences, 2021, 252, 654-663.	0.4	0
30	Inverse problems for finite Jacobi matrices and Krein–Stieltjes strings. Journal of Inverse and Ill-Posed Problems, 2021, 29, 611-628.	1.0	0
31	On global regular solutions to the mhd equations in a smooth toroidal domain. Applicationes Mathematicae, 2017, 44, 163-183.	0.1	0
32	Inverse dynamic problem for the wave equation with periodic boundary conditions. Nanosystems: Physics, Chemistry, Mathematics, 2019, 10, 115-123.	0.4	0
33	Solution of Toda lattices for semi-bounded initial data. , 2020, , .		0
34	Hilbert spaces of functions associated with Jacobi matrices. , 2021, , .		0
35	On an application of the Boundary control method to classical moment problems.. Journal of Physics: Conference Series, 2021, 2092, 012002.	0.4	0