Andrey A Amosov

List of Publications by Year
in descending order

61	560	623734	752698
papers	citations	14 h-index	20 g-index

62	62	62	79
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On stability of generalized solutions to the equations of one-dimensional motion of a viscous heat conducting gas. Siberian Mathematical Journal, 1997, 38, 663-684.	0.6	37
2	Solvability ?in the large? of a system of equations of the one-dimensional motion of an inhomogeneous viscous heat-conducting gas. Mathematical Notes, 1992, 52, 753-763.	0.4	35
3	Global solvability of a nonlinear nonstationary problem with a nonlocal boundary condition of radiative heat transfer type. Differential Equations, 2005, 41, 96-109.	0.7	35
4	Stationary nonlinear nonlocal problem of radiativeâ€“conductive heat transfer in a system of opaque bodies with properties depending on the radiation frequency. Journal of Mathematical Sciences, 2010, 164, 309-344.	0.4	34
5	Boundary value problem for the radiation transfer equation with reflection and refraction conditions. Journal of Mathematical Sciences, 2013, 191, 101-149.	0.4	30
6	Unique solvability of a nonstationary problem of radiative-conductive heat exchange in a system of semitransparent bodies. Russian Journal of Mathematical Physics, 2016, 23, 309-334.	1.5	22
7	Nonstationary nonlinear nonlocal problem of radiativeâ€“conductive heat transfer in a system of opaque bodies with properties depending on the radiation frequency. Journal of Mathematical Sciences, 2010, 165, 1-41.	0.4	20
8	Stability of generalized solutions to equations of one-dimensional motion of viscous heat-conducting gases. Mathematical Notes, 1998, 63, 736-746.	0.4	18
9	Boundary Value Problem for the Radiation Transfer Equation with Diffuse Reflection and Refraction Conditions. Journal of Mathematical Sciences, 2013, 193, 151-176.	0.4	18
10	Semidiscrete and asymptotic approximations for the nonstationary radiativeâ€“conductive heat transfer problem in a periodic system of grey heat shields. Journal of Mathematical Sciences, 2011, 176, 361-408.	0.4	17
11	Radiative Transfer Equation with Fresnel Reflection and Refraction Conditions in a System of Bodies with Piecewise Smooth Boundaries. Journal of Mathematical Sciences, 2016, 219, 821-849.	0.4	17
12	Unique Solvability of Stationary Radiative-Conductive Heat Transfer Problem in a System of Semitransparent Bodies. Journal of Mathematical Sciences, 2017, 224, 618-646.	0.4	16
13	Nonstationary radiativeâ€”conductive heat transfer problem in a periodic system of grey heat shields. Journal of Mathematical Sciences, 2010, 169, 1-45.	0.4	15
14	Radiative Transfer Equation with Diffuse Reflection and Refraction Conditions in a System of Bodies with Piecewise Smooth Boundaries. Journal of Mathematical Sciences, 2016, 216, 155-181.	0.4	14
15	Stationary problem of complex heat transfer in a system of semitransparent bodies with boundary conditions of diffuse reflection and refraction of radiation. Computational Mathematics and Mathematical Physics, 2017, 57, 515-540.	0.8	14
16	Nonstationary Problem of Complex Heat Transfer in a System of Semitransparent Bodies with Boundary-Value Conditions of Diffuse Reflection and Refraction of Radiation. Journal of Mathematical Sciences, 2018, 233, 777-806.	0.4	14
17	A difference scheme on a non-uniform mesh for the equations of one-dimensional magnetic gas dynamics. USSR Computational Mathematics and Mathematical Physics, 1989, 29, 129-139.	0.0	13
18	Superconvergence of Some Projection Approximations for Weakly Singular Integral Equations Using General Grids. SIAM Journal on Numerical Analysis, 2009, 47, 646-674.	2.3	13

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19	Boundary value problem for radiation transfer equation in multilayered medium with reflection and refraction conditions. Applicable Analysis, 2016, 95, 1581-1597.	1.3	13
20	On a Nonstandard Boundary Value Problem Arising in Homogenization of Complex Heat Transfer Problems. Journal of Mathematical Sciences, 2020, 244, 357-377.	0.4	12
21	The existence of global generalized solutions of the equations of one-dimensional motion of a real viscous gas with discontinuous data. Differential Equations, 2000, 36, 540-558.	0.7	11
22	The Radiation Transfer Equation with Reflection and Refraction Conditions. Continuous Dependence of Solutions on the Data and Limit Passage to the Problem with â€œShooting Conditionsâ€. Journal of Mathematical Sciences, 2013, 195, 569-608.	0.4	11
23	Some Properties of Boundary Value Problem for Radiative Transfer Equation with Diffuse Reflection and Refraction Conditions. Journal of Mathematical Sciences, 2015, 207, 118-141.	0.4	9
24	A positive solution of an elliptic equation with nonlinear integral boundary condition of the radiation type. Mathematical Notes, 1977, 22, 555-561.	0.4	8
25	Difference schemes of second-order of accuracy for the equations of the one-dimensional motion of a viscous gas. USSR Computational Mathematics and Mathematical Physics, 1987, 27, 46-57.	0.0	8
26	Weak convergence for a class of rapidly oscillating functions. Mathematical Notes, 1997, 62, 122-126.	0.4	8
27	The Conjugate Boundary Value Problem for Radiation Transfer Equation with Reflection and Refraction Conditions. Journal of Mathematical Sciences, 2014, 202, 113-129.	0.4	8
28	Uniqueness and stability of generalized solutions for a class of quasilinear systems of composite type equations. Mathematical Notes, 1994, 55, 555-567.	0.4	7
29	Semidiscrete approximations for the stationary radiativeâ€“conductive heat transfer problem in a two-dimensional system of plates. Russian Journal of Numerical Analysis and Mathematical Modelling, 2016, 31, 1-16.	0.6	7
30	Unique solvability of a stationary radiativeâ€conductive heat transfer problem in a system consisting of an absolutely black body and several semitransparent bodies. Mathematical Methods in the Applied Sciences, 2021, 44, 10703-10733.	2.3	7
31	Semidiscrete method of solving the quasiaveraged equations of one-dimensional motion of a viscous heat-conducting gas. Russian Journal of Numerical Analysis and Mathematical Modelling, 1997, 12, .	0.6	6
32	Homogenization of a thermo-chemo-viscoelastic Kelvin-Voigt model. Journal of Mathematical Physics, 2013, 54, 081501.	1.1	6
33	Asymptotic approximations for the stationary radiative-conductive heat transfer problem in the two-dimensional system of plates. Russian Journal of Numerical Analysis and Mathematical Modelling, 2017, 32, .	0.6	6
34	Partial dimension reduction for the heat equation in a domain containing thin tubes. Mathematical Methods in the Applied Sciences, 2018, 41, 9529-9545.	2.3	6
35	<xmlnsnath:altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd"	2.7	5
36	Discrete and asymptotic approximations for one stationary radiativeâ€“conductive heat transfer problem. Russian Journal of Numerical Analysis and Mathematical Modelling, 2020, 35, 127-141.	0.6	5

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37	An approximate solution to the integral radiative transfer equation in an optically thick slab. Comptes Rendus - Mecanique, 2003, 331, 823-828.	2.1	4
38	Unique solvability of a stationary radiativeâ€“conductive heat transfer problem in a semitransparent body with absolutely black inclusions. Zeitschrift Fur Angewandte Mathematik Und Physik, 2021, 72, 1.	1.4	4
39	Nonstationary Radiativeâ€“Conductive Heat Transfer Problem in a Semitransparent Body with Absolutely Black Inclusions. Mathematics, 2021, 9, 1471.	2.2	4
40	The problem of thermo-chemical formation of a composite material. Properties of solutions and homogenization. Journal of Mathematical Sciences, 2012, 181, 541-577.	0.4	3
41	Two Stationary Radiative-Conductive Heat Transfer Problems for a System of Two-Dimensional Plates. Journal of Mathematical Sciences, 2015, 210, 557-570.	0.4	3
42	Nonstationary radiation transfer through a multilayered medium with reflection and refraction conditions. Mathematical Methods in the Applied Sciences, 2018, 41, 8115-8135.	2.3	3
43	Iterative processes for the problem of stationary heat exchange in a system of absolutely black bodies. USSR Computational Mathematics and Mathematical Physics, 1980, 20, 110-120.	0.0	2
44	On the asymptotic formation of vacuum zones in the one-dimensional motion of a viscous barotropic gas by the action of a large mass force. Russian Journal of Numerical Analysis and Mathematical Modelling, 1995, 10, .	0.6	2
45	Asymptotic analysis and asymptotic domain decomposition for an integral equation of the radiative transfer type. Journal Des Mathematiques Pures Et Appliquees, 2005, 84, 1813-1831.	1.6	2
46	Finite difference scheme for the quasi-averaged equations of one-dimensional motion of a viscous barotropic medium. Russian Journal of Numerical Analysis and Mathematical Modelling, 1996, 11, .	0.6	1
47	On two-scale homogenized equations of one-dimensional nonlinear thermoviscoelasticity with rapidly oscillating nonsmooth data. Comptes Rendus Mecanique, 2001, 329, 169-174.	0.2	1
48	Existence and uniqueness of global weak solutions to the equations describing the longitudinal oscillations of a viscoelastoplastic Ishlinskii material. Doklady Mathematics, 2006, 74, 623-627.	0.6	1
49	Global unique solvability of the longitudinal vibration equations of the Ishlinskii viscoelastoplastic material. Differential Equations, 2007, 43, 774-796.	0.7	1
50	Substantiation of two-scale homogenization of the equations governing the longitudinal vibrations of a viscoelastoplastic Ishlinskii material. Computational Mathematics and Mathematical Physics, 2007, 47, 943-961.	0.8	1
51	Error Estimates of Projection Type Methods for Solving Weakly Singular Integral Equations. Journal of Mathematical Sciences, 2016, 216, 182-218.	0.4	1
52	Partial Decomposition of a Domain Containing Thin Tubes for Solving the Heat Equation. Doklady Mathematics, 2018, 97, 69-72.	0.6	1
53	On a Nonlinear Initialâ€”Boundary Value Problem with Venttsel Type Boundary Conditions Arizing in Homogenization of Complex Heat Transfer Problems. Mathematics, 2022, 10, 1890.	2.2	1
54	Description of a set of programs for solving the light-wave propagation equations. USSR Computational Mathematics and Mathematical Physics, 1977, 17, 253-256.	0.0	0

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55	On a set of standad programs for solving problems of non-linear optics. USSR Computational Mathematics and Mathematical Physics, 1982, 22, 275-277.	0.0	0
56	On two-scale homogenized equations of the Ishlinskii type viscoelastoplastic body longitudinal vibrations with rapidly oscillating nonsmooth data. Comptes Rendus - Mecanique, 2006, 334, 713-718.	2.1	0
57	Finite-difference scheme for two-scale homogenized equations of one-dimensional motion of a thermoviscoelastic Voigt-type body. Computational Mathematics and Mathematical Physics, 2006, 46, 691-718.	0.8	0
58	An approximate solution to the integral radiative transfer equation in an optically thick slab. Mathematical Methods in the Applied Sciences, 2007, 30, 1593-1608.	2.3	0
59	Superconvergence of Projection Methods for Weakly Singular Integral Operators. , 2008, , 1-7.		0
60	Integro-differential Burgers equation. Solvability and homogenization. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 3953-3968.	1.1	0
61	Approximations for the Stationary Problem of Radiative-conductive Heat Exchange in a System of Rods of Circular Cross Section. Vestnik MEI, 2017, , 94-100.	0.1	0