

Kamil R Aida-Zade

List of Publications by Year in descending order

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75
papers

387
citations

932766

10
h-index

940134

16
g-index

75
all docs

75
docs citations

75
times ranked

106
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical method of solution to loaded nonlocal boundary value problems for ordinary differential equations. Computational Mathematics and Mathematical Physics, 2014, 54, 1096-1109.	0.2	44
2	Finite-difference methods for solving loaded parabolic equations. Computational Mathematics and Mathematical Physics, 2016, 56, 93-105.	0.2	26
3	On an approach to designing control of the distributed-parameter processes. Automation and Remote Control, 2012, 73, 1443-1455.	0.4	23
4	Speech recognition using Support Vector Machines. , 2016, , .		21
5	On the solution of boundary value problems with nonseparated multipoint and integral conditions. Differential Equations, 2013, 49, 1114-1125.	0.1	19
6	Optimizing placement of the control points at synthesis of the heating process control. Automation and Remote Control, 2017, 78, 1585-1599.	0.4	18
7	On the numerical solution of loaded systems of ordinary differential equations with nonseparated multipoint and integral conditions. Numerical Analysis and Applications, 2014, 7, 1-14.	0.2	15
8	Optimization of loading places and load response functions for stationary systems. Computational Mathematics and Mathematical Physics, 2017, 57, 634-644.	0.2	15
9	An approach to numerical solution of some inverse problems for parabolic equations. Inverse Problems in Science and Engineering, 2014, 22, 96-111.	1.2	13
10	Solution to a class of inverse problems for a system of loaded ordinary differential equations with integral conditions. Journal of Inverse and Ill-Posed Problems, 2016, 24, 543-558.	0.5	13
11	Approach to the Numerical Solution of Optimal Control Problems for Loaded Differential Equations with Nonlocal Conditions. Computational Mathematics and Mathematical Physics, 2019, 59, 696-707.	0.2	12
12	On the problem of spacing of oil wells and control of their production rates. Automation and Remote Control, 2006, 67, 44-53.	0.4	10
13	Human-computer dialogue understanding hybrid system. , 2012, , .		10
14	Numerical solution of nonlinear inverse coefficient problems for ordinary differential equations. Computational Mathematics and Mathematical Physics, 2011, 51, 803-815.	0.2	9
15	Numerical Solution of the Problem of Determining the Number and Locations of State Observation Points in Feedback Control of a Heating Process. Computational Mathematics and Mathematical Physics, 2018, 58, 78-89.	0.2	9
16	Numerical solution of optimal control problems for loaded lumped parameter systems. Computational Mathematics and Mathematical Physics, 2006, 46, 1487-1502.	0.2	8
17	Solution of optimal control problem in class of piecewise-constant functions. Automatic Control and Computer Sciences, 2007, 41, 18-24.	0.4	8
18	Solution to classes of inverse coefficient problems and problems with nonlocal conditions for parabolic equations. Differential Equations, 2015, 51, 83-93.	0.1	7

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19	Hydraulic resistance coefficient identification in pipelines. Automation and Remote Control, 2016, 77, 1225-1239.	0.4	7
20	Comparison of Deep Learning in Neural Networks on CPU and GPU-based frameworks. , 2017, , .		7
21	Localization of the points of leakage in an oil main pipeline under nonstationary conditions. Journal of Engineering Physics and Thermophysics, 2012, 85, 1148-1156.	0.2	6
22	On numerical solution of one class of inverse problems for discontinuous dynamic systems. Automation and Remote Control, 2012, 73, 786-796.	0.4	6
23	Solving systems of differential equations of block structure with nonseparated boundary conditions. Journal of Applied and Industrial Mathematics, 2015, 9, 1-10.	0.1	6
24	Numerical Leak Detection in a Pipeline Network of Complex Structure with Unsteady Flow. Computational Mathematics and Mathematical Physics, 2017, 57, 1919-1934.	0.2	6
25	Study of transients in oil pipelines. Automation and Remote Control, 2011, 72, 2563-2577.	0.4	5
26	Optimization of Measurement Points Positioning in a Border Control Synthesis Problem for the Process of Heating a Rod. Automation and Remote Control, 2018, 79, 1643-1660.	0.4	5
27	Numerical method of identification of dynamic system parameters. Journal of Inverse and Ill-Posed Problems, 2005, 13, 201-211.	0.5	4
28	Study of one class of membership functions of fuzzy sets. Automatic Control and Computer Sciences, 2011, 45, 142-152.	0.4	4
29	Learning User Intentions in Natural Language Call Routing Systems. Studies in Fuzziness and Soft Computing, 2016, , 37-46.	0.6	4
30	Zonal Control Synthesis for Nonlinear Systems under Nonlinear Output Feedback. Journal of Automation and Information Sciences, 2015, 47, 51-66.	0.7	4
31	Study and numerical solution of finite difference approximations of distributed-system control problems. USSR Computational Mathematics and Mathematical Physics, 1989, 29, 15-21.	0.0	3
32	A class of inverse problems for discontinuous systems. Cybernetics and Systems Analysis, 2008, 44, 915-924.	0.4	3
33	Calculation of the state of a system of discrete linear processes connected by unseparated boundary conditions. Journal of Applied and Industrial Mathematics, 2016, 10, 457-467.	0.1	3
34	Numerical Method for Solving the Parametric Identification Problem for Loaded Differential Equations. Bulletin of the Iranian Mathematical Society, 2019, 45, 1725-1742.	0.4	3
35	Numerical Solution of Linear Differential Equations with Nonlocal Nonlinear Conditions. Computational Mathematics and Mathematical Physics, 2020, 60, 808-816.	0.2	3
36	A Numerical Method of Restoring the Parameters of a Dynamic System. Cybernetics and Systems Analysis, 2004, 40, 392-399.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Solving Optimal Control Problems on the Class of Step Functions. <i>Cybernetics and Systems Analysis</i> , 2005, 41, 604-611.	0.4	2
38	Control of systems with concentrated parameters in a class of special control functions. <i>Automatic Control and Computer Sciences</i> , 2009, 43, 148-155.	0.4	2
39	Intelligent reading system based on mobile platform. , 2012, , .		2
40	Authorship identification of the Azerbaijani texts using n-grams. , 2016, , .		2
41	Numerical Solution to Inverse Source Problems for Linear Parabolic Equation. <i>IFAC-PapersOnLine</i> , 2018, 51, 231-236.	0.5	2
42	Optimization of Source Parameters in Multipoint Nonseparated Conditions for Linear Dynamical Systems. <i>Computational Mathematics and Mathematical Physics</i> , 2021, 61, 512-526.	0.2	2
43	Numerical solution to an inverse problem on a determination of places and capacities of sources in the hyperbolic systems. <i>Journal of Industrial and Management Optimization</i> , 2020, 16, 3011-3033.	0.8	2
44	Computational problems for hydraulic systems. <i>USSR Computational Mathematics and Mathematical Physics</i> , 1989, 29, 125-132.	0.0	1
45	Analysis of the regimes of controlling transient processes in pipelines. <i>Journal of Engineering Physics and Thermophysics</i> , 2012, 85, 131-140.	0.2	1
46	Optimal control of sources on some classes of functions. <i>Optimization</i> , 2014, 63, 1135-1152.	1.0	1
47	Identification of piecewise constant filtration parameters and boundaries of their constancy domains. <i>Automation and Remote Control</i> , 2017, 78, 1404-1416.	0.4	1
48	Optimizing the Arrangement of Lumped Sources and Measurement Points of Plate Heating. <i>Cybernetics and Systems Analysis</i> , 2019, 55, 605-615.	0.4	1
49	Adaptive Neuro-Fuzzy System based Color Closeness Evaluation. , 2019, , .		1
50	Control Synthesis for Temperature Maintaining Process in a Heat Supply Problem. <i>Cybernetics and Systems Analysis</i> , 2020, 56, 380-391.	0.4	1
51	Feedback Control of the Plate Heating Process with Optimization of the Locations of Sources and Control. <i>Automation and Remote Control</i> , 2020, 81, 670-685.	0.4	1
52	Optimization of the Right-hand Sides of Multi-point and Integral Conditions of the Controlled Dynamic System. <i>Bulletin of the Iranian Mathematical Society</i> , 2022, 48, 2033-2056.	0.4	1
53	Optimization of the Values of the Right-Hand Sides of Boundary Conditions with Point and Integral Terms for the ODE System. <i>Lecture Notes in Computer Science</i> , 2020, , 1-16.	1.0	1
54	Control Problem with Non-Separated Multipoint and Integral Conditions. <i>Journal of Automation and Information Sciences</i> , 2013, 45, 34-52.	0.7	1

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55	Numerical Approach to Parametric Identification of Dynamical Systems. Journal of Automation and Information Sciences, 2014, 46, 30-46.	0.7	1
56	A polar coordinate method for the minimization of functions with a ravined structure. USSR Computational Mathematics and Mathematical Physics, 1979, 19, 255-259.	0.0	0
57	Solving control problems over impulse and Heaviside classes of control functions. Cybernetics and Systems Analysis, 2009, 45, 792-799.	0.4	0
58	Numerical solving of control problem for object with uncertain information on its initial state and parameters. Automatic Control and Computer Sciences, 2010, 44, 61-68.	0.4	0
59	Numerical method of parametrical identification for nonlocal parabolic problems. , 2012, , .		0
60	Some approaches to solve feedback control problems for nonlinear dynamic systems. , 2012, , .		0
61	Numerical solution to an inverse problem for quasilinear parabolic equation. , 2012, , .		0
62	Problem of determination of leakages in oil pipeline networks. , 2012, , .		0
63	On a class of inverse problems for loaded equations with nonlocal conditions. , 2012, , .		0
64	On a Class of Smooth Membership Functions. Journal of Automation and Information Sciences, 2012, 44, 57-71.	0.7	0
65	Optimal control of a concentrated system on the class of piecewise constant functions under uncertainty in the parameters and initial conditions. Cybernetics and Systems Analysis, 2012, 48, 397-405.	0.4	0
66	Numerical solution of inverse problem on determination of leakage for unsteady flow in a pipeline network. IFAC-PapersOnLine, 2018, 51, 21-26.	0.5	0
67	Optimization of the placements of observation points in one problem of control of heating process. IFAC-PapersOnLine, 2018, 51, 245-250.	0.5	0
68	Nonlinearly Loaded Boundary Value Problems for Linear Ordinary Differential Equations. Differential Equations, 2019, 55, 739-744.	0.1	0
69	Optimization of Right-Hand Sides of Nonlocal Boundary Conditions in a Controlled Dynamical System. Automation and Remote Control, 2021, 82, 375-397.	0.4	0
70	Feedback Control of the Power of Moving Sources in Bar Heating. Cybernetics and Systems Analysis, 2021, 57, 592-604.	0.4	0
71	Relay Control of Nonlinear System with Uncertain Values of Parameters. Journal of Automation and Information Sciences, 2010, 42, 54-64.	0.7	0
72	On Regulation Problem for Heating Process. Journal of Automation and Information Sciences, 2011, 43, 32-44.	0.7	0

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73	Optimal Control Problems of Sources in Distributed Systems on the Classes of Impulsive, Piecewise Constant and Heaviside Functions. Journal of Automation and Information Sciences, 2011, 43, 64-82.	0.7	0
74	Synthesis of the Control of the Temperature Maintaining Process in a Heat Supply Problem. DEStech Transactions on Computer Science and Engineering, 2019, , .	0.1	0
75	Investigation of the Problem of Optimal Control by a System ODE of Block Structure with Blocks Connected only by Boundary Conditions. Communications in Computer and Information Science, 2020, , 371-382.	0.4	0