

Oleg Morzhin

List of Publications by Year in descending order

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papers

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1162367

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docs citations

21
times ranked

31
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimal Time Generation of Density Matrices for a Two-Level Quantum System Driven by Coherent and Incoherent Controls. <i>International Journal of Theoretical Physics</i> , 2021, 60, 576-584.	0.5	18
2	Numerical estimation of reachable and controllability sets for a two-level open quantum system driven by coherent and incoherent controls. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	4
3	Quantum control landscape for ultrafast generation of single-qubit phase shift quantum gates. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 215303.	0.7	22
4	On Reachable and Controllability Sets for Minimum-Time Control of an Open Two-Level Quantum System. <i>Proceedings of the Steklov Institute of Mathematics</i> , 2021, 313, 149-164.	0.1	4
5	Generation of Density Matrices for Two Qubits Using Coherent and Incoherent Controls. <i>Lobachevskii Journal of Mathematics</i> , 2021, 42, 2401-2412.	0.1	10
6	Maximization of the Uhlmann–Jozsa Fidelity for an Open Two-Level Quantum System with Coherent and Incoherent Controls. <i>Physics of Particles and Nuclei</i> , 2020, 51, 464-469.	0.2	12
7	Machine Learning for Finding Suboptimal Final Times and Coherent and Incoherent Controls for an Open Two-Level Quantum System. <i>Lobachevskii Journal of Mathematics</i> , 2020, 41, 2353-2368.	0.1	13
8	Maximization of the Overlap between Density Matrices for a Two-Level Open Quantum System Driven by Coherent and Incoherent Controls. <i>Lobachevskii Journal of Mathematics</i> , 2019, 40, 1532-1548.	0.1	13
9	Krotov method for optimal control of closed quantum systems. <i>Russian Mathematical Surveys</i> , 2019, 74, 851-908.	0.2	28
10	Nonlocal Improvement of Controls in Nonlinear Discrete Systems. <i>Bulletin of Irkutsk State University, Series Mathematics</i> , 2017, 19, 150-163.	0.1	0
11	Discontinuous solutions of the optimal control problems. Iterative optimization method. <i>Automation and Remote Control</i> , 2013, 74, 1948-1968.	0.4	6
12	Nonlocal improvement of controlling functions and parameters in nonlinear dynamical systems. <i>Automation and Remote Control</i> , 2012, 73, 1822-1837.	0.4	1
13	Optimal control of the spin system on a basis of the global improvement method. <i>Automation and Remote Control</i> , 2011, 72, 1213-1220.	0.4	14
14	Numerical investigation of attainability sets of nonlinear controlled differential systems. <i>Automation and Remote Control</i> , 2011, 72, 1291-1300.	0.4	8
15	On optimization of position control in attainability tube in a model problem. <i>Journal of Computer and Systems Sciences International</i> , 2010, 49, 740-749.	0.2	2
16	Nonlocal improvement of nonlinear controlled processes on the basis of sufficient optimality conditions. <i>Automation and Remote Control</i> , 2010, 71, 1526-1539.	0.4	2
17	10.1007/s11488-008-1001-3. , 2010, 47, 1.		0
18	On approximation of the subdifferential of the nonsmooth penalty functional in the problems of optimal control. <i>Automation and Remote Control</i> , 2009, 70, 761-771.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Constructive methods of control optimization in nonlinear systems. Automation and Remote Control, 2009, 70, 772-786.	0.4	5
20	An algorithm for numerical synthesis of optimal control. Automation and Remote Control, 2008, 69, 645-653.	0.4	2