Gregory B Miller

List of Publications by Year
in descending order

34 papers	303 citations	1039406 9 h-index	996533 15 g-index
36 all docs	36 docs citations	36 times ranked	168 citing authors

#	Article	IF	Citations
1	Optimal Stabilization of Linear Stochastic System with Statistically Uncertain Piecewise Constant Drift. Mathematics, 2022, 10, 184.	1.1	4
2	Partial Diffusion Markov Model of Heterogeneous TCP Link: Optimization with Incomplete Information. Mathematics, 2021, 9, 1632.	1.1	5
3	Navigation of Underwater Drones and Integration of Acoustic Sensing with Onboard Inertial Navigation System. Drones, 2021, 5, 83.	2.7	10
4	Towards Tensor Representation of Controlled Coupled Markov Chains. Mathematics, 2020, 8, 1712.	1.1	1
5	Passive Underwater Target Tracking: Conditionally Minimax Nonlinear Filtering with Bearing-Doppler Observations. Sensors, 2020, 20, 2257.	2.1	11
6	Conditionally Minimax Nonlinear Filter and Unscented Kalman Filter: Empirical Analysis and Comparison. Automation and Remote Control, 2019, 80, 1230-1251.	0.4	4
7	Controllable Markov Jump Processes. II. Monitoring and Optimization of TCP Connections. Journal of Computer and Systems Sciences International, 2019, 58, 12-28.	0.2	1
8	Optimization of TCP Algorithm for Wiredâ€"Wireless Channels Based on Connection State Estimation. , 2019, , .		1
9	Conditionally-Minimax Nonlinear Filtering for Continuous-Discrete Stochastic Observation Systems: Comparative Study in Target Tracking. , 2019, , .		1
10	On AUV Control with the Aid of Position Estimation Algorithms Based on Acoustic Seabed Sensing and DOA Measurements. Sensors, 2019, 19, 5520.	2.1	12
11	Optimal Channel Choice for Lossy Data Flow Transmission. Automation and Remote Control, 2018, 79, 66-77.	0.4	9
12	The Conditionally Minimax Nonlinear Filtering Method and Modern Approaches to State Estimation in Nonlinear Stochastic Systems. Automation and Remote Control, 2018, 79, 1-11.	0.4	11
13	Controllable Markov Jump Processes. I. Optimum Filtering Based on Complex Observations. Journal of Computer and Systems Sciences International, 2018, 57, 890-906.	0.2	4
14	AUV position estimation via acoustic seabed profile measurements. , 2018, , .		4
15	AUV navigation with seabed acoustic sensing*. , 2018, , .		3
16	Optimization of the Data Transmission Flow from Moving Object to Nonhomogeneous Network of Base Stations 1 1A.A. Kharkevich Institute for Information Transmission Problems, Russian Academy of Sciences (IITP RAS), Moscow, Russia. Institute of Informatics Problems, Federal Research Center â€œComputer Science and Controlâ€•of Russian Academy of Sciences (FRC CSC RAS), Moscow, Russia.. IFAC-PapersOnLine, 2017, 50, 6160-6165.	0.5	4
17	Optimal control problem regularization for the Markov process with finite number of states and constraints. Automation and Remote Control, 2016, 77, 1589-1611.	0.4	8
18	Methods to design optimal control of Markov process with finite state set in the presence of constraints. Automation and Remote Control, 2011, 72, 323-341.	0.4	21

#	Article	IF	Citations
19	Towards the optimal control of Markov chains with constraints. Automatica, 2010, 46, 1495-1502.	3.0	18
20	Optimal control of Markov chains with constraints. , 2009, , .		7
21	Dynamic Discrete Power Control in Cellular Networks. IEEE Transactions on Automatic Control, 2009, 54, 2328-2340.	3.6	29
22	Discrete Power Control: Cooperative and Non-Cooperative Optimization. , 2007, , .		27
23	Minimax filter for statistically uncertain stochastic discrete-continuous linear system. , 2007, , .		0
24	Minimax control of a process in a linear uncertain-stochastic system with incomplete data. Automation and Remote Control, 2007, 68, 2042-2055.	0.4	2
25	Minimax filtering in linear stochastic uncertain discrete-continuous systems. Automation and Remote Control, 2006, 67, 413-427.	0.4	1
26	Linear-quadratic stochastic optimal control problem with incomplete information and uncertain noise statistics. , 2006, , .		0
27	MINIMAX FILTER FOR STATISTICALLY INDETERMINATE STOCHASTIC DIFFERENTIAL SYSTEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 218-223.	0.4	2
28	Zero-sum constrained stochastic games with independent state processes. Mathematical Methods of Operations Research, 2005, 62, 375-386.	0.4	37
29	Filtration of a random process in a statistically uncertain linear stochastic differential system. Automation and Remote Control, 2005, 66, 53-64.	0.4	8
30	Analysis and Filtration of Special Discrete-Time Markov Processes. I. Martingale Representation. Automation and Remote Control, 2005, 66, 953-962.	0.4	1
31	Analysis and Filtration of Special Discrete-Time Markov Processes. II. Optimal Filtration. Automation and Remote Control, 2005, 66, 1125-1136.	0.4	4
32	Flow Control as a Stochastic Optimal Control Problem with Incomplete Information. Problems of Information Transmission, 2005, 41, 150-170.	0.3	29
33	Hidden Markov model approach to TCP link state tracking. , 2004, , .		8
34	Flow control as stochastic optimal control problem with incomplete information. , 0, , .		15