

Dmitry V Balandin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1306051/publications.pdf>

Version: 2024-02-01

21
papers

224
citations

1040056

9
h-index

1125743

13
g-index

21
all docs

21
docs citations

21
times ranked

102
citing authors

#	ARTICLE	IF	CITATIONS
1	LMI-based H^{∞} -optimal control with transients. International Journal of Control, 2010, 83, 1664-1673.	1.9	51
2	Multi-objective generalized H^2 control. Automatica, 2019, 99, 317-322.	5.0	25
3	LMI-based optimal attenuation of multi-storey building oscillations under seismic excitations. Structural Control and Health Monitoring, 2005, 12, 213-224.	4.0	23
4	Finite-horizon multi-objective generalized H^2 control with transients. Automatica, 2019, 106, 27-34.	5.0	23
5	Pareto suboptimal controllers in multi-objective disturbance attenuation problems. Automatica, 2017, 84, 56-61.	5.0	19
6	Revisited LQ output-feedback control: minimax controller for a set of initial states. International Journal of Control, 2009, 82, 2051-2058.	1.9	15
7	LMI based multi-objective control under multiple integral and output constraints. International Journal of Control, 2010, 83, 227-232.	1.9	13
8	Pareto Optimal Generalized H^2 -Control and Optimal Protection from Vibration * *This work was supported by the Ministry of Education and Science of the Russian Federation through Agreement No. 14.578.21.0110 (RFMEFI57815X0110).. IFAC-PapersOnLine, 2017, 50, 4442-4447.	0.9	13
9	An optimization algorithm for checking feasibility of robust H^{∞} -control problem for linear time-varying uncertain systems. International Journal of Control, 2004, 77, 498-503.	1.9	12
10	Pareto suboptimal solutions in control and filtering problems under multiple deterministic and stochastic disturbances. , 2016, , .		8
11	Ellipsoidal reachable sets of linear time-varying continuous and discrete systems in control and estimation problems. Automatica, 2020, 116, 108926.	5.0	7
12	Concept of a platform-based impact isolation system for protection of wheelchair occupants from injuries in vehicle crashes. Medical Engineering and Physics, 2008, 30, 258-267.	1.7	5
13	Finite-horizon optimal control of maximal output deviations in LTV discrete-time systems. , 2019, , .		3
14	Multi-objective robust generalised H^2 control. International Journal of Systems Science, 2020, 51, 1873-1882.	5.5	3
15	Impact Isolation Limiting Performance Analysis for Three-Component Models. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2005, 127, 463-471.	1.6	1
16	Multi-Objective Generalized H^2 Control for Optimal Protection from Vibration. , 2018, , .		1
17	Pareto Suboptimal Robust Controllers in Multi-Objective Generalized H^2 Problem. , 2018, , .		1
18	Optimal control of maximal output deviations over a finite horizon. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Attenuating oscillations in uncertain dynamic systems. Journal of Engineering Mathematics, 2006, 55, 299-312.	1.2	0
20	Localization of Pareto-Optimal Set in Multi-objective Minimax Problems. Communications in Computer and Information Science, 2021, , 260-272.	0.5	0
21	Pareto suboptimal H ∞ controls with transients. , 2021, , .		0