Valery Korobov

List of Publications by Year in descending order

32 papers	185 citations	1307366 7 h-index	1125617 13 g-index
32 all docs	32 docs citations	32 times ranked	69 citing authors

#	Article	IF	Citations
1	A GENERAL APPROACH TO THE SOLUTION OF THE BOUNDED CONTROL SYNTHESIS PROBLEM IN A CONTROLLABILITY PROBLEM. Sbornik: Mathematics, 1980, 37, 535-557.	0.2	44
2	Global properties of the triangular systems in the singular case. Journal of Mathematical Analysis and Applications, 2008, 342, 1426-1439.	0.5	30
3	TIME OPTIMALITY AND THE POWER MOMENT PROBLEM. Sbornik: Mathematics, 1989, 62, 185-206.	0.2	13
4	Construction of Restricted Controls for a Non-equilibrium Point in Global Sense. Vietnam Journal of Mathematics, 2015, 43, 459-469.	0.4	12
5	The admissible control problem from the moment problem point of view. Applied Mathematics Letters, 2010, 23, 58-63.	1.5	11
6	The almost-complete controllability of a linear stationary system. Ukrainian Mathematical Journal, 1986, 38, 144-149.	0.1	7
7	Markov power min-moment problem with periodic gaps. Journal of Mathematical Sciences, 1996, 80, 1559-1581.	0.1	7
8	Global robust controllability of the triangular integro-differential Volterra systems. Journal of Mathematical Analysis and Applications, 2005, 309, 743-760.	0.5	7
9	Geometric Criterion for Controllability under Arbitrary Constraints on the Control. Journal of Optimization Theory and Applications, 2007, 134, 161-176.	0.8	7
10	Global positional synthesis and stabilization in finite time of MIMO generalized triangular systems by means of the controllability function method. Journal of Mathematical Sciences, 2013, 189, 795-804.	0.1	7
11	Feedback Control Design for Systems withÂx-Discontinuous Right-Hand Side. Journal of Optimization Theory and Applications, 2011, 149, 494-512.	0.8	6
12	Stabilization of one class of nonlinear systems. Automation and Remote Control, 2017, 78, 1-15.	0.4	5
13	TIME-OPTIMAL CONTROL AND THE TRIGONOMETRIC MOMENT PROBLEM. Mathematics of the USSR Izvestija, 1990, 35, 203-220.	0.2	4
14	An Optimal Control Problem with a Mixed Cost Function. SIAM Journal on Control and Optimization, 1993, 31, 624-645.	1.1	4
15	Synthesis of restricted inertial controls for systems with multivariate control. Journal of Mathematical Analysis and Applications, 2002, 275, 84-107.	0.5	4
16	Min-problem for Markov moments and the speed of response. Siberian Mathematical Journal, 1991, 32, 46-55.	0.2	3
17	Robust stabilization of one class of nonlinear systems. Automation and Remote Control, 2014, 75, 1433-1444.	0.4	3
18	On perturbation range in the feedback synthesis problem for a chain of integrators system. IMA Journal of Mathematical Control and Information, 2021, 38, 396-416.	1.1	3

#	Article	IF	Citations
19	Positional Synthesis of Bounded Inertial Controls for Systems with One-Dimensional Control. Differential Equations, 2002, 38, 332-348.	0.1	2
20	Time Optimality for Systems with Multidimensional Control and Vector Moment Min-Problem. Journal of Dynamical and Control Systems, 2020, 26, 525-550.	0.4	2
21	On attainability sets and the control of a linear system. USSR Computational Mathematics and Mathematical Physics, 1970, 10, 51-61.	0.0	1
22	Almost power sum systems. Mathematics of Computation, 2015, 85, 717-736.	1.1	1
23	Stepwise synthesis of constrained controls for single input nonlinear systems of special form. Nonlinear Differential Equations and Applications, 2016, 23, 1.	0.4	1
24	Robust Feedback Synthesis for the Canonical System. Ukrainian Mathematical Journal, 2016, 68, 380-398.	0.1	1
25	Controllability of a linear stationary system onto a subspace for an unfixed time. Ukrainian Mathematical Journal, 1978, 29, 406-408.	0.1	0
26	Control synthesis in equations containing an unbounded operator. Journal of Soviet Mathematics, 1990, 48, 404-419.	0.0	0
27	Nonsmooth Mapping of Linear Control Systems. Journal of Optimization Theory and Applications, 2001, 108, 389-405.	0.8	0
28	Title is missing!. Differential Equations, 2002, 38, 15-18.	0.1	0
29	Admissible feedback control design for the system % MathType!MTEF!2!1!+- % feaagaart1ev2aaatCvAUfKttLearuqr1ngBPrgarmWu51MyVXguY9 % gCGievaerbd9wDYLwzYbWexLMBbXgBcf2CPn2qVrwzqf2zLnharyav % P1wzZbItLDhis9wBH5garqqtubsr4rNCHbGeaGqiVu0Je9sqqrpepC % 0xbbL8F4rqqrFfpeea0xe9Lq-Jc9vqaqpepm0xbba9pwe9Q8fs0-yq % ...	0.1	0
30	Construction of a Set of Restricted Inertial Controls for C(1)-Smooth Affine Systems with Multidimensional Control. Journal of Dynamical and Control Systems, 2015, 21, 513-538.	0.4	0
31	On the Robust Stabilization of One Class of Nonlinear Discrete Systems. Journal of Mathematical Sciences, 2017, 220, 483-497.	0.1	0
32	Almost linearizable control systems. Mathematics of Control, Signals, and Systems, 2021, 33, 473-497.	1.4	0