Vladimir B Larin

List of Publications by Year
in descending order

44	108	1684188 5	1474206 9
papers	citations	h-index	g-index

45	45	45	42
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Algorithm of J-spectral factorization of polynomial matrices. Automatica, 1997, 33, 2179-2182.	5.0	24
2	Algorithm for solving algebraic Riccati equation which has singular Hamiltonian matrix. Systems and Control Letters, 1999, 36, 231-239.	2.3	12
3	On Correcting the System of Inertial Navigation. Journal of Automation and Information Sciences, 2010, 42, 13-26.	0.7	7
4	About the Newton iteration for spectral factorization. Systems and Control Letters, 1999, 37, 243-246.	2.3	5
5	Comments on â€œOptimizing Simultaneously Over the Numerator and Denominator Polynomials in the Youla-Kucera Parameterizationâ€• IEEE Transactions on Automatic Control, 2007, 52, 763-763.	5.7	5
6	On the Safe Stabilization Problem. Journal of Automation and Information Sciences, 1997, 29, 31-40.	0.7	5
7	On Synthesis of Stabilizing Controllers Using Linear Matrix Inequalities. Journal of Automation and Information Sciences, 2000, 32, 12-17.	0.7	5
8	On Solution of Sylvester Equation. Journal of Automation and Information Sciences, 2009, 41, 1-7.	0.7	4
9	On Solution of the Linear Matrix Equations. Journal of Automation and Information Sciences, 2015, 47, 1-9.	0.7	4
10	Identification Problems of Linear Stationary Systems. Part II. Generalization of Prony's Method. Journal of Automation and Information Sciences, 2011, 43, 1-19.	0.7	4
11	Algorithm ofJ-factorization of rational matrices with zeros and poles on the imaginary axis. International Journal of Mathematics and Mathematical Sciences, 2003, 2003, 2873-2885.	0.7	3
12	Gyro-free accelerometer-based SINS: Algorithms and structures. , 2012, , .		3
13	Optimization of Periodic Systems with Singular Weight Matrix which defines the Quadratic Form of Control Actions. Journal of Automation and Information Sciences, 1999, 31, 27-38.	0.7	3
14	On Navigation of the Wheeled Transport Robot. Journal of Automation and Information Sciences, 2014, 46, 1-9.	0.7	3
15	The Use of Matrix Pencils in an Identification Problem. Journal of Automation and Information Sciences, 1996, 28, 53-62.	0.7	2
16	On Inversion of the Problem of Analytical Designing the Controllers. Journal of Automation and Information Sciences, 2004, 36, 11-18.	0.7	2
17	Stabilization of a System by Output Feedback. Journal of Automation and Information Sciences, 2004, 36, 1-13.	0.7	2
18	On Stability of Uncertain Systems with Delay. Journal of Automation and Information Sciences, 2008, 40, 21-32.	0.7	2

#	Article	IF	Citations
19	On Identification of Linear Stationary Systems. Journal of Automation and Information Sciences, 2008, 40, 37-47.	0.7	2
20	Algorithms of Solving the Equation X - AT X - 1 A = Q. Journal of Automation and Information Sciences, 2009, 41, 18-25.	0.7	2
21	On the Choice of the Initial Approximation in Iterative Solution Algorithm of Equation X - ATX-1A = Q. Journal of Automation and Information Sciences, 2011, 43, 1-6.	0.7	1
22	On Finding the Actuator Which Has Fault. Journal of Automation and Information Sciences, 2016, 48, 33-43.	0.7	1
23	On Stabilizing and Antistabilizing Solutions to the Algebraic Riccati Equation. Journal of Automation and Information Sciences, 1997, 29, 61-70.	0.7	1
24	Control Problems of a Manipulator. Journal of Automation and Information Sciences, 1998, 30, 1-14.	0.7	1
25	Suppression of Helicopter's Disturbances in a Hovering Flight by Static Output Feedback. Journal of Automation and Information Sciences, 2009, 41, 29-40.	0.7	1
26	Identification Problems of Linear Stationary Systems. Part I. Prony's Method. Journal of Automation and Information Sciences, 2011, 43, 1-18.	0.7	1
27	On Tracking of Prescribed Trajectory by Wheeled Transport Robot. Journal of Automation and Information Sciences, 2013, 45, 11-20.	0.7	1
28	Factorizing about the Imaginary Axis Matrices Which Do Not Satisfy the Coercitivity. Journal of Automation and Information Sciences, 1996, 28, 116-130.	0.7	1
29	Simulation of Motion of an Electromechanical Walking Machine. Journal of Automation and Information Sciences, 1997, 29, 17-21.	0.7	1
30	Solution of Riccati Equation with a Hamiltonian Matrix Having Eigenvalues on the Imaginary Axis. Journal of Automation and Information Sciences, 2000, 32, 7-17.	0.7	0
31	Problem of Control of Spatial Motion of a Hopping Device. Journal of Automation and Information Sciences, 2003, 35, 45-54.	0.7	0
32	On Synthesis of a Robust Controller for a Periodic Controlled System. Journal of Automation and Information Sciences, 2003, 35, 7-18.	0.7	0
33	Stabilization of Motion of the Wheeled Transport Robot without a Steering Wheel. Journal of Automation and Information Sciences, 2009, 41, 71-80.	0.7	0
34	On Control of Composite Wheeled Vehicle with Three Steering Wheels. Journal of Automation and Information Sciences, 2010, 42, 68-78.	0.7	0
35	On Determination of Solution of Unilateral Quadratic Matrix Equation. Journal of Automation and Information Sciences, 2011, 43, 8-17.	0.7	0
36	On Maneuvering of the Wheeled Transport Robot. Journal of Automation and Information Sciences, 2012, 44, 1-11.	0.7	0

#	Article	IF	Citations
37	Modification of Prony's Method in the Problem of Determining the Parameters of Sinusoids. Journal of Automation and Information Sciences, 2012, 44, 43-50.	0.7	0
38	Solutions of the Unilateral Quadratic Matrix Equation in the Case of Complex Eigenvalues of the Corresponding Matrix Pencil. Journal of Automation and Information Sciences, 2013, 45, 1-12.	0.7	0
39	On Using the Shcur Method for Solving Unilateral Quadratic Matrix Equation. Journal of Automation and Information Sciences, 2014, 46, 1-8.	0.7	0
40	Determining the Attitude of a Rigid Body. Journal of Automation and Information Sciences, 1997, 29, 65-72.	0.7	0
41	On Determining the Parameters of Sinusoids. Journal of Automation and Information Sciences, 2015, 47, 25-34.	0.7	0
42	On Solution of the Generalized Riccati Equations. Journal of Automation and Information Sciences, 2016, 48, 1-6.	0.7	0
43	On Navigation of the Transport Robot with Two Steering Wheels. Journal of Automation and Information Sciences, 2017, 49, 3-12.	0.7	0
44	On Construction of Centrosymmetric and Anticentrosymmetric Solutions of the Sylvester Matrix Equations. Journal of Automation and Information Sciences, 2018, 50, 1-6.	0.7	0