

# Victor Kozyakin

## List of Publications by Year in descending order

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64  
papers

439  
citations

758635

12  
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839053

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66  
all docs

66  
docs citations

66  
times ranked

182  
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus in Asynchronous Multiagent Systems. III. Constructive Stability and Stabilizability. Automation and Remote Control, 2019, 80, 989-1015.	0.4	1
2	Consensus in Asynchronous Multiagent Systems. II. Method of Joint Spectral Radius. Automation and Remote Control, 2019, 80, 791-812.	0.4	2
3	Consensus in Asynchronous Multiagent Systems. I. Asynchronous Consensus Models. Automation and Remote Control, 2019, 80, 593-623.	0.4	3
4	Minimax joint spectral radius and stabilizability of discrete-time linear switching control systems. Discrete and Continuous Dynamical Systems - Series B, 2019, 24, 3537-3556.	0.5	2
5	Caution, DOI! Bibliographic Detective Story in the Era of Digitalization. Journal of Communications Technology and Electronics, 2019, 64, 1523-1526.	0.2	0
6	On Convergence of Infinite Matrix Products with Alternating Factors from Two Sets of Matrices. Discrete Dynamics in Nature and Society, 2018, 2018, 1-5.	0.5	1
7	Minimax theorem for the spectral radius of the product of non-negative matrices. Linear and Multilinear Algebra, 2017, 65, 2356-2365.	0.5	1
8	Constructive stability and stabilizability of positive linear discrete-time switching systems. Journal of Communications Technology and Electronics, 2017, 62, 686-693.	0.2	1
9	Hourglass alternative and the finiteness conjecture for the spectral characteristics of sets of non-negative matrices. Linear Algebra and Its Applications, 2016, 489, 167-185.	0.4	6
10	On the asymptotics of cosine series in several variables with power coefficients. Journal of Communications Technology and Electronics, 2015, 60, 1441-1444.	0.2	4
11	Fact and fictions in FX arbitrage processes. Journal of Physics: Conference Series, 2015, 585, 012015.	0.3	0
12	The Berger-Wang formula for the Markovian joint spectral radius. Linear Algebra and Its Applications, 2014, 448, 315-328.	0.4	38
13	Matrix products with constraints on the sliding block relative frequencies of different factors. Linear Algebra and Its Applications, 2014, 457, 244-260.	0.4	1
14	ASYMPTOTIC BEHAVIOUR OF RANDOM MARKOV CHAINS WITH TRIDIAGONAL GENERATORS. Bulletin of the Australian Mathematical Society, 2013, 87, 27-36.	0.3	4
15	Double exponential instability of triangular arbitrage systems. Discrete and Continuous Dynamical Systems - Series B, 2013, 18, 349-376.	0.5	2
16	Asymptotic behaviour of random tridiagonal Markov chains in biological applications. Discrete and Continuous Dynamical Systems - Series B, 2013, 18, 453-465.	0.5	4
17	PERIODIC SEQUENCES OF ARBITRAGE: A TALE OF FOUR CURRENCIES. Metroeconomica, 2012, 63, 250-294.	0.5	3
18	A Pre-Encoding-Post-Decoding Technique for Stabilizing Asynchronously Operating Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5855-5859.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Finiteness property of a bounded set of matrices with uniformly sub-peripheral spectrum. Journal of Communications Technology and Electronics, 2011, 56, 1564-1569.	0.2	4
20	A relaxation scheme for computation of the joint spectral radius of matrix sets. Journal of Difference Equations and Applications, 2011, 17, 185-201.	0.7	8
21	On explicit a priori estimates of the joint spectral radius by the generalized Gelfand formula. Differential Equations and Dynamical Systems, 2010, 18, 91-103.	0.5	2
22	An explicit Lipschitz constant for the joint spectral radius. Linear Algebra and Its Applications, 2010, 433, 12-18.	0.4	14
23	Polynomial criteria for the $v$ -sufficiency of jets in classes of finitely smooth mappings. Doklady Mathematics, 2010, 81, 101-104.	0.1	0
24	Iterative building of Barabanov norms and computation of the joint spectral radius for matrix sets. Discrete and Continuous Dynamical Systems - Series B, 2010, 14, 143-158.	0.5	19
25	Polynomial reformulation of the Kuo criteria for $v$ -sufficiency of map-germs. Discrete and Continuous Dynamical Systems - Series B, 2010, 14, 587-602.	0.5	0
26	On accuracy of approximation of the spectral radius by the Gelfand formula. Linear Algebra and Its Applications, 2009, 431, 2134-2141.	0.4	21
27	On the computational aspects of the theory of joint spectral radius. Doklady Mathematics, 2009, 80, 487-491.	0.1	9
28	Semi-hyperbolicity and bi-shadowing in nonautonomous difference equations with Lipschitz mappings. Journal of Difference Equations and Applications, 2008, 14, 1165-1173.	0.7	2
29	Arnold tongues for bifurcation from infinity. Discrete and Continuous Dynamical Systems - Series S, 2008, 1, 107-116.	0.6	1
30	Asymptotics of the Arnold tongues in problems at infinity. Discrete and Continuous Dynamical Systems, 2008, 20, 989-1011.	0.5	0
31	Structure of extremal trajectories of discrete linear systems and the finiteness conjecture. Automation and Remote Control, 2007, 68, 174-209.	0.4	39
32	Feasibility of numerical modelling: Information aspect. Automation and Remote Control, 2007, 68, 2228-2270.	0.4	0
33	Arnold tongues in the problem of large-amplitude periodic trajectories. Doklady Mathematics, 2006, 74, 821-826.	0.1	0
34	A Short Introduction to Asynchronous Systems. , 2004, , 153-165.		5
35	The Inflation and Perturbation of Nonautonomous Difference Equations and Their Pullback Attractors. , 2004, , 139-152.		0
36	Title is missing!. Automation and Remote Control, 2003, 64, 1386-1400.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Uniform nonautonomous attractors under discretization. <i>Discrete and Continuous Dynamical Systems</i> , 2003, 10, 423-433.	0.5	2
38	Single Parameter Dissipativity and Attractors in Discrete-Time Asynchronous Systems. <i>Journal of Difference Equations and Applications</i> , 2001, 7, 873-894.	0.7	3
39	The perturbation of attractors of skew-product flows with a shadowing driving system. <i>Discrete and Continuous Dynamical Systems</i> , 2001, 7, 883-893.	0.5	14
40	The asymptotic behavior of elementary symmetric functions on a probability distribution. <i>Journal of Applied Mathematics and Stochastic Analysis</i> , 2001, 14, 237-248.	0.3	2
41	The inflation of attractors and their discretization: the autonomous case. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2000, 40, 333-343.	0.6	23
42	A Global Asymptotic Stability Result for a Class of Totally Asynchronous Discrete Nonlinear Systems. <i>Mathematics of Control, Signals, and Systems</i> , 1999, 12, 143-166.	1.4	3
43	Boundedness and Dissipativity of Truncated Rotations on Uniform Planar Lattices. <i>Mathematische Nachrichten</i> , 1998, 191, 59-81.	0.4	8
44	Further results on convergence of asynchronous linear iterations. <i>Linear Algebra and Its Applications</i> , 1998, 281, 11-24.	0.4	11
45	Monotonic dynamical systems under spatial discretization. <i>Proceedings of the American Mathematical Society</i> , 1998, 126, 2169-2174.	0.4	5
46	A model for roundoff and collapse in computation of chaotic dynamical systems. <i>Mathematics and Computers in Simulation</i> , 1997, 44, 163-185.	2.4	9
47	Some problems in analysis of discretizations of continuous dynamical systems. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 1997, 30, 767-778.	0.6	7
48	Existence and stability of a unique equilibrium in continuous-valued discrete-time asynchronous Hopfield neural networks. <i>IEEE Transactions on Neural Networks</i> , 1996, 7, 620-628.	4.8	31
49	Bi-shadowing and delay equations. <i>Dynamical Systems</i> , 1996, 11, 121-134.	0.7	11
50	Robustness of dynamical systems to a class of nonsmooth perturbations. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 1996, 26, 351-361.	0.6	5
51	Expansivity of semi-hyperbolic Lipschitz mappings. <i>Bulletin of the Australian Mathematical Society</i> , 1995, 51, 301-308.	0.3	12
52	Semihyperbolic mappings. <i>Journal of Nonlinear Science</i> , 1995, 5, 419-431.	1.0	15
53	On the fragmentary complexity of symbolic sequences. <i>Theoretical Computer Science</i> , 1995, 148, 1-17.	0.5	3
54	Transients in Quasi-Controllable Systems. Overshooting, Stability and Instability. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1993, 26, 871-874.	0.4	3

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55	Influence of Controllability-Type Properties on Reliability and Stability of Desynchronized Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1992, 25, 392-399.	0.4	0
56	Stability Analysis of Desynchronized Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1990, 23, 117-121.	0.4	3
57	On modelling systems with non-synchronously operating impulse elements. Mathematical and Computer Modelling, 1990, 14, 70-73.	2.0	0
58	The method of parameter functionalization in the hopf bifurcation problem. Nonlinear Analysis: Theory, Methods & Applications, 1987, 11, 149-161.	0.6	20
59	Desynchronization of linear systems. Mathematics and Computers in Simulation, 1984, 26, 423-431.	2.4	12
60	Some problems connected with the method of minimal residuals. USSR Computational Mathematics and Mathematical Physics, 1979, 19, 244-247.	0.0	1
61	Subfurcation in loss of stability of equilibrium position for a system of differential equations with lag. Siberian Mathematical Journal, 1978, 18, 414-425.	0.2	0
62	Further results on stability of asynchronous discrete-time linear systems. , 0, , .		10
63	A Dynamical Systems Construction of a Counterexample to the Finiteness Conjecture. , 0, , .		21
64	Hardy Type Asymptotics for Cosine Series in Several Variables with Decreasing Power-Like Coefficients. International Journal of Advanced Research in Mathematics, 0, 5, 35-51.	0.0	4