

Vasiliy Ye Belozyorov

List of Publications by Year in descending order

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24
papers

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25
all docs

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docs citations

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times ranked

59
citing authors

#	ARTICLE	IF	CITATIONS
1	Exponential-Algebraic Maps and Chaos in 3D Autonomous Quadratic Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550048.	1.7	17
2	On Stability Cones for Quadratic Systems of Differential Equations. Journal of Dynamical and Control Systems, 2005, 11, 329-351.	0.8	14
3	On existence of homoclinic orbits for some types of autonomous quadratic systems of differential equations. Applied Mathematics and Computation, 2011, 217, 4582-4595.	2.2	14
4	New solution method of linear static output feedback design problem for linear control systems. Linear Algebra and Its Applications, 2016, 504, 204-227.	0.9	12
5	A novel search method of chaotic autonomous quadratic dynamical systems without equilibrium points. Nonlinear Dynamics, 2016, 86, 835-860.	5.2	10
6	Role of logistic and Ricker's maps in appearance of chaos in autonomous quadratic dynamical systems. Nonlinear Dynamics, 2016, 83, 719-729.	5.2	10
7	General Method of Construction of Implicit Discrete Maps Generating Chaos in 3D Quadratic Systems of Differential Equations. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450025.	1.7	9
8	New types of 3-D systems of quadratic differential equations with chaotic dynamics based on Ricker discrete population model. Applied Mathematics and Computation, 2011, 218, 4546-4566.	2.2	8
9	Research of Chaotic Dynamics of 3D Autonomous Quadratic Systems by Their Reduction to Special 2D Quadratic Systems. Mathematical Problems in Engineering, 2015, 2015, 1-15.	1.1	8
10	GENERATING CHAOS IN 3D SYSTEMS OF QUADRATIC DIFFERENTIAL EQUATIONS WITH 1D EXPONENTIAL MAPS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350105.	1.7	7
11	On novel conditions of chaotic attractors existence in autonomous polynomial dynamical systems. Nonlinear Dynamics, 2018, 91, 2435-2452.	5.2	7
12	Implicit one-dimensional discrete maps and their connection with existence problem of chaotic dynamics in 3-D systems of differential equations. Applied Mathematics and Computation, 2012, 218, 8869-8886.	2.2	5
13	Quadratic model of inter-population interaction: Investigation of stability areas. Applied Mathematics and Computation, 2014, 230, 43-56.	2.2	5
14	Invariant Approach to Existence Problem of Chaos in 3D Autonomous Quadratic Dynamical Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650012.	1.7	4
15	Universal approach to the problem of emergence of chaos in autonomous dynamical systems. Nonlinear Dynamics, 2019, 95, 579-595.	5.2	3
16	Reduction Method for Search of Chaotic Attractors in Generic Autonomous Quadratic Dynamical Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750036.	1.7	2
17	On the Solution of a Modal Control Problem in a Limiting Case. Journal of Automation and Information Sciences, 2000, 32, 20-28.	0.7	1
18	Hierarchical Heterogeneity Of Populations: Modeling By The Open Eigen Hypercycle. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
19	Development of an approach to ensure stability of the traction direct current system. Eastern-European Journal of Enterprise Technologies, 2018, 5, 47-56.	0.5	1
20	Chaotic dynamics in quadratic systems with singular linear part. Cybernetics and Systems Analysis, 2012, 48, 578-585.	0.7	0
21	On boundedness of solutions of quadratic differential equation sets. Researches in Mathematics, 0, 15, 35.	0.4	0
22	Chaos in Essentially Singular 3D Dynamical Systems with Two Quadratic Nonlinearities. Journal of Nonlinear Dynamics, 2016, 2016, 1-12.	0.2	0
23	A POSSIBILITY OF ROBUST CHAOS EMERGENCE IN LORENZ-LIKE NON-AUTONOMOUS SYSTEM. Journal of Optimization, Differential Equations and Their Applications, 2020, 27, 44.	0.6	0
24	ON EQUIVALENCE OF LINEAR CONTROL SYSTEMS AND ITS USAGE TO VERIFICATION OF THE ADEQUACY OF DIFFERENT MODELS FOR A REAL DYNAMIC PROCESS. Journal of Optimization, Differential Equations and Their Applications, 2020, 28, 43.	0.6	0