

# Lev B Ryashko

## List of Publications by Year in descending order

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205  
papers

2,384  
citations

201385

27  
h-index

329751

37  
g-index

207  
all docs

207  
docs citations

207  
times ranked

549  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and analysis of nonlinear tumor-immune interaction under chemotherapy and radiotherapy. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 7983-7991.	1.2	3
2	Coloured-noise-induced transport in a model of the thermochemical reactor. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20200313.	1.6	3
3	Stochastic Bifurcations and Excitement in the ZS-Model of a Thermochemical Reaction. <i>Mathematics</i> , 2022, 10, 960.	1.1	1
4	Slow-fast oscillatory dynamics and phantom attractors in stochastic modeling of biochemical reactions. <i>Chaos</i> , 2022, 32, 033126.	1.0	3
5	How noise can generate calcium spike-type oscillations in deterministic equilibrium modes. <i>Physical Review E</i> , 2022, 105, .	0.8	4
6	Stochastic generation and shifts of phantom attractors in the 2D Rulkov model. <i>Chaos, Solitons and Fractals</i> , 2022, 159, 112111.	2.5	5
7	Noise-induced triggering and suppression of EADs in a 3D model of cardiac activity. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
8	Analysis of stochastic dynamics in a multistable logistic-type epidemiological model. <i>European Physical Journal: Special Topics</i> , 2022, 231, 3563-3575.	1.2	3
9	Nonlinear climate dynamics: From deterministic behaviour to stochastic excitability and chaos. <i>Physics Reports</i> , 2021, 902, 1-60.	10.3	39
10	Stochastic transitions between in-phase and anti-phase synchronization in coupled map-based neural oscillators. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 95, 105611.	1.7	14
11	Noise-induced complex oscillatory dynamics in the Zeldovich-Semenov model of a continuous stirred tank reactor. <i>Chaos</i> , 2021, 31, 013105.	1.0	10
12	Canard oscillations in the randomly forced suspension flows. <i>Chaos</i> , 2021, 31, 033129.	1.0	5
13	The effect of time ordering and concurrency in a mathematical model of chemoradiotherapy. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 96, 105693.	1.7	8
14	Chaotic transients, riddled basins, and stochastic transitions in coupled periodic logistic maps. <i>Chaos</i> , 2021, 31, 053101.	1.0	8
15	Stochastic transformations of multi-rhythmic dynamics and order-chaos transitions in a discrete 2D model. <i>Chaos</i> , 2021, 31, 063121.	1.0	5
16	Analysis of Stochastic Generation and Shifts of Phantom Attractors in a Climate-Vegetation Dynamical Model. <i>Mathematics</i> , 2021, 9, 1329.	1.1	5
17	Stochastic Sensitivity Analysis of Noise-Induced Phenomena in Discrete Systems. <i>World Scientific Series on Nonlinear Science, Series B</i> , 2021, , 173-192.	0.2	1
18	Stochastic variability of regular and chaotic dynamics in 2D metapopulation model. <i>Chaos, Solitons and Fractals</i> , 2021, 151, 111270.	2.5	5

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19	Stochastic sensitivity of Turing patterns: methods and applications to the analysis of noise-induced transitions. <i>Chaos, Solitons and Fractals</i> , 2021, 153, 111491.	2.5	3
20	Stochastic sensitivity analysis of stationary patterns in spatially extended systems. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 12194-12202.	1.2	1
21	A Stochastic Hierarchical Population System: Excitement, Extinction and Transition to Chaos. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, .	0.7	6
22	The role of noise in the tumor dynamics under chemotherapy treatment. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	4
23	Noise-induced toroidal excitability in neuron model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 82, 105071.	1.7	20
24	Noise-induced early afterdepolarizations in a three-dimensional cardiac action potential model. <i>Chaos, Solitons and Fractals</i> , 2020, 131, 109515.	2.5	11
25	Combined impacts of the Allee effect, delay and stochasticity: Persistence analysis. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 84, 105148.	1.7	8
26	Analysis of regular and chaotic dynamics in a stochastic eco-epidemiological model. <i>Chaos, Solitons and Fractals</i> , 2020, 131, 109549.	2.5	13
27	Analysis of noise-induced phenomena in the nonlinear tumor-immune system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 549, 123923.	1.2	11
28	Tumor Stabilization Induced by T-Cell Recruitment Fluctuations. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050179.	0.7	6
29	Anomalous climate dynamics induced by multiplicative and additive noises. <i>Physical Review E</i> , 2020, 102, 012217.	0.8	10
30	Stochastic sensitivity analysis of volcanic activity. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 44, 12078.	1.2	0
31	Mixed-mode self-oscillations, stochastic excitability, and coherence resonance in flows of highly concentrated suspensions. <i>Nonlinear Dynamics</i> , 2020, 102, 1837-1848.	2.7	9
32	Stochastic Spiking-Bursting Excitability and Transition to Chaos in a Discrete-Time Neuron Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050153.	0.7	10
33	Noise-induced shifts in dynamics of multi-rhythmic population SIP-model. <i>Chaos, Solitons and Fractals</i> , 2020, 136, 109816.	2.5	6
34	Stochastic phenomena in pattern formation for distributed nonlinear systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190252.	1.6	7
35	Noise-induced variability of nonlinear dynamics in 3D model of enzyme kinetics. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 90, 105351.	1.7	5
36	Stochastic spiking-bursting transitions in a neural birhythmic 3D model with the Lukyanov-Shilnikov bifurcation. <i>Chaos, Solitons and Fractals</i> , 2020, 138, 109958.	2.5	12

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37	Noise-induced transformations in corporate dynamics of coupled chaotic oscillators. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 44, 12067.	1.2	2
38	Stochastic deformations of coupling-induced oscillatory regimes in a system of two logistic maps. <i>Physica D: Nonlinear Phenomena</i> , 2020, 411, 132589.	1.3	6
39	Stochastic sensitivity analysis of noise-induced transitions in a biochemical model with birhythmicity. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 265601.	0.7	10
40	Ring of map-based neural oscillators: From order to chaos and back. <i>Chaos, Solitons and Fractals</i> , 2020, 136, 109830.	2.5	11
41	Variability in the noise-induced modes of climate dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126411.	0.9	3
42	Stochastic sensitivity synthesis in nonlinear systems with incomplete information. <i>Journal of the Franklin Institute</i> , 2020, 357, 5187-5198.	1.9	4
43	How additive noise forms and shifts phantom attractors in slow-fast systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 375008.	0.7	6
44	Stochastic Bifurcations, Chaos and Phantom Attractors in the Langford System with Tori. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2030051.	0.7	5
45	Multistability and Stochastic Phenomena in the Distributed Brusselator Model. <i>Journal of Computational and Nonlinear Dynamics</i> , 2020, 15, .	0.7	13
46	Analysis of Spatial Patterns in the Distributed Stochastic Brusselator. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 195-204.	0.1	0
47	Stochastic Deformation of Invariant Tori In Neuron Model. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 213-219.	0.1	0
48	Stochastic sensitivity analysis of chaotic attractors in 2D non-invertible maps. <i>Chaos, Solitons and Fractals</i> , 2019, 126, 78-84.	2.5	12
49	Noise-induced spiking-bursting transition in the neuron model with the blue sky catastrophe. <i>Physical Review E</i> , 2019, 99, 062408.	0.8	19
50	Anomalous stochastic dynamics induced by the slip-stick friction and leading to phantom attractors. <i>Physica D: Nonlinear Phenomena</i> , 2019, 399, 153-158.	1.3	13
51	Analysis of nonlinear stochastic oscillations in the biochemical Goldbeter model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 73, 165-176.	1.7	17
52	Noise-induced quasiperiodicity in a ring of unidirectionally-coupled nonidentical maps. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 1571-1577.	0.9	6
53	Stochastic oscillations in a neuron model with two-dimensional map. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
54	Preventing noise-induced ecological shifts: stochastic sensitivity analysis and control. <i>European Physical Journal B</i> , 2019, 92, 1.	0.6	0

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55	Stochastic sensitivity analysis of noise-induced oscillations in Adler model. AIP Conference Proceedings, 2019, , .	0.3	0
56	Stochastic Sensitivity and Method of Principal Directions in Excitability Analysis of the Hodgkin-Huxley Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950186.	0.7	9
57	Noise-induced shifts in the ecological model with delay. AIP Conference Proceedings, 2019, , .	0.3	0
58	Analysis of stochastic transitions in the distributed model with diffusion. AIP Conference Proceedings, 2019, , .	0.3	1
59	Stochastic variability and transitions to chaos in a hierarchical three-species population model. Chaos, Solitons and Fractals, 2019, 119, 276-283.	2.5	10
60	Modality analysis of patterns in reaction-diffusion systems with random perturbations. Izvestiya Instituta Matematiki i Informatiki Udmurtskogo Gosudarstvennogo Universiteta, 2019, 53, 73-82.	0.2	4
61	Sensitivity analysis of the noise-induced oscillatory multistability in Higgins model of glycolysis. Chaos, 2018, 28, 033602.	1.0	52
62	Analysis of noise effects in a map-based neuron model with Canard-type quasiperiodic oscillations. Communications in Nonlinear Science and Numerical Simulation, 2018, 63, 261-270.	1.7	30
63	Stochastic sensitivity of systems driven by colored noise. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 729-736.	1.2	8
64	Stochastic Sensitivity Analysis of Noise-Induced Extinction in the Ricker Model with Delay and Allee Effect. Bulletin of Mathematical Biology, 2018, 80, 1596-1614.	0.9	10
65	Methods of Stochastic Analysis of Complex Regimes in the 3D Hindmarsh-Rose Neuron Model. Fluctuation and Noise Letters, 2018, 17, 1850008.	1.0	18
66	Nonlinear dynamics of mushy layers induced by external stochastic fluctuations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170216.	1.6	52
67	Noise-induced bursting and chaos in the two-dimensional Rulkov model. Chaos, Solitons and Fractals, 2018, 110, 76-81.	2.5	33
68	Stochastic sensitivity analysis of the variability of dynamics and transition to chaos in the business cycles model. Communications in Nonlinear Science and Numerical Simulation, 2018, 54, 174-184.	1.7	10
69	On the Stochastic Sensitivity and Noise-Induced Transitions of a Kaldor-Type Business Cycle Model. Computational Economics, 2018, 51, 699-718.	1.5	4
70	Noise-induced shifts in the population model with a weak Allee effect. Physica A: Statistical Mechanics and Its Applications, 2018, 491, 28-36.	1.2	33
71	Analysis of dynamics in the distributed model of glycolysis. AIP Conference Proceedings, 2018, , .	0.3	1
72	Analysis of stochastic cycles induced by periodic forcing. AIP Conference Proceedings, 2018, , .	0.3	0

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73	Regularization in the Problem of Minimization of Stochastic Sensitivity. IFAC-PapersOnLine, 2018, 51, 606-609.	0.5	0
74	Stochastic Control in the Problem of Preventing Ecological Catastrophes. IFAC-PapersOnLine, 2018, 51, 540-544.	0.5	1
75	Noise-induced transitions and shifts in a climateâ€“vegetation feedback model. Royal Society Open Science, 2018, 5, 171531.	1.1	9
76	Analysis of spatiotemporal self-organization in stochastic population model. AIP Conference Proceedings, 2018, , .	0.3	1
77	Stochastic excitability in a discrete neural model. AIP Conference Proceedings, 2018, , .	0.3	0
78	Stochastic oscillations near the â€œblue sky catastropheâ€“bifurcation in neuron model. AIP Conference Proceedings, 2018, , .	0.3	1
79	Generation of mixed-mode stochastic oscillations in a hair bundle model. Physical Review E, 2018, 98, .	0.8	11
80	Strange periodic attractor: Extremely high stochastic sensitivity of a parametrically modulated system. Europhysics Letters, 2018, 123, 40001.	0.7	1
81	Stochastic Generation and Deformation of Toroidal Oscillations in Neuron Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850070.	0.7	13
82	Noise-induced chaos in non-linear dynamics of El NiÃ±os. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2922-2926.	0.9	5
83	Excitability, mixed-mode oscillations and transition to chaos in a stochastic ice ages model. Physica D: Nonlinear Phenomena, 2017, 343, 28-37.	1.3	10
84	Stochastic sensitivity and variability of glycolytic oscillations in the randomly forced Selâ€™kov model. European Physical Journal B, 2017, 90, 1.	0.6	10
85	Analysis of Noise-Induced Chaos-Order Transitions in Rulkov Model Near Crisis Bifurcations. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1730014.	0.7	11
86	Chaos can imply periodicity in coupled oscillators. Europhysics Letters, 2017, 117, 40005.	0.7	11
87	How environmental noise can contract and destroy a persistence zone in population models with Allee effect. Theoretical Population Biology, 2017, 115, 61-68.	0.5	18
88	Comment on: Cyclic extrusion of a lava dome based on a stick-slip mechanism, by Costa et al. (2012). Earth and Planetary Science Letters, 2017, 459, 417-419.	1.8	3
89	Analysis of noise-induced transitions in a generalized logistic model with delay near Neimarkâ€™Sacker bifurcation. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 275102.	0.7	11
90	Controlling the equilibria of nonlinear stochastic systems based on noisy data. Journal of the Franklin Institute, 2017, 354, 1658-1672.	1.9	17

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91	Noise-induced quasi-periodic oscillations in Hindmarsh-Rose neuron model. AIP Conference Proceedings, 2017, , .	0.3	2
92	Analysis of stochastic oscillations in the two-dimensional Rulkov model. AIP Conference Proceedings, 2017, , .	0.3	3
93	Modeling and stochastic analysis of dynamic mechanisms of the perception. AIP Conference Proceedings, 2017, , .	0.3	0
94	Stochastic sensitivity technique in a persistence analysis of randomly forced population systems with multiple trophic levels. Mathematical Biosciences, 2017, 293, 38-45.	0.9	10
95	Noise-induced torus bursting in the stochastic Hindmarsh-Rose neuron model. Physical Review E, 2017, 96, 032212.	0.8	38
96	Stochastic sensitivity of regular and multi-band chaotic attractors in discrete systems with parametric noise. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3203-3210.	0.9	16
97	Method of confidence domains in the analysis of noise-induced extinction for tritrophic population system. European Physical Journal B, 2017, 90, 1.	0.6	6
98	Analysis of stochastic phenomena in Ricker-type population model with delay. AIP Conference Proceedings, 2017, , .	0.3	1
99	Stochastic sensitivity analysis of noise-induced order-chaos transitions in discrete-time systems with tangent and crisis bifurcations. Physica A: Statistical Mechanics and Its Applications, 2017, 467, 573-584.	1.2	7
100	Method of stochastic sensitivity synthesis in a stabilisation problem for nonlinear discrete systems with incomplete information. International Journal of Control, 2017, 90, 1652-1663.	1.2	7
101	Stochastic sensitivity of a bistable energy model for visual perception. Indian Journal of Physics, 2017, 91, 57-62.	0.9	13
102	Analysis of stochastic dynamics of Higgins model. IOP Conference Series: Materials Science and Engineering, 2017, 192, 012022.	0.3	0
103	Analysis of Noise-Induced Bifurcations in the Stochastic Tritrophic Population System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750208.	0.7	8
104	Multistability and stochastic phenomena in a randomly forced thermochemical system. IOP Conference Series: Materials Science and Engineering, 2017, 192, 012011.	0.3	1
105	Analysis of the stochastically forced invariant manifolds of dynamic systems. AIP Conference Proceedings, 2017, , .	0.3	0
106	Analysis of additive and parametric noise effects on Morris - Lecar neuron model. Computer Research and Modeling, 2017, 9, 449-468.	0.2	3
107	Noise-induced extinction in Bazykin-Berezovskaya population model. European Physical Journal B, 2016, 89, 1.	0.6	12
108	Noise-induced variability of volcanic extrusions. Europhysics Letters, 2016, 116, 40006.	0.7	6

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109	Analysis of stochastic phenomena in 2D Hindmarsh-Rose neuron model. AIP Conference Proceedings, 2016, , .	0.3	3
110	Analysis of stochastic Ricker model in a zone of Neimark-Sacker bifurcation. AIP Conference Proceedings, 2016, , .	0.3	0
111	Stochastic dynamics and chaos in the 3D Hindmarsh-Rose model. AIP Conference Proceedings, 2016, , .	0.3	3
112	EXCITABILITY AND COMPLEX MIXED-MODE OSCILLATIONS IN STOCHASTIC BUSINESS CYCLE MODEL. International Journal of Modeling, Simulation, and Scientific Computing, 2016, 19, 1550027.	0.9	1
113	Stochastic Sensitivity Analysis and Noise-Induced Chaos in 2D Logistic-Type Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650053.	0.7	3
114	Stochastic variability and noise-induced generation of chaos in a climate feedback system including the carbon dioxide dynamics. Europhysics Letters, 2016, 115, 40009.	0.7	5
115	How additive noise generates a phantom attractor in a model with cubic nonlinearity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 3359-3365.	0.9	14
116	Stochastic Bifurcations and Noise-Induced Chaos in 3D Neuron Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1630032.	0.7	25
117	Stochastic generation of spatial patterns in Brusselator. AIP Conference Proceedings, 2016, , .	0.3	7
118	Noise-induced bursting in Rulkov model. AIP Conference Proceedings, 2016, , .	0.3	6
119	Analysis of noise-induced eruptions in a geyser model. European Physical Journal B, 2016, 89, 1.	0.6	8
120	Analysis of stochastic effects in Kaldor-type business cycle discrete model. Communications in Nonlinear Science and Numerical Simulation, 2016, 36, 446-456.	1.7	11
121	Mean square stabilisation of complex oscillatory regimes in nonlinear stochastic systems. International Journal of Control, 2016, 89, 793-800.	1.2	2
122	Attractors of randomly forced logistic model with delay: stochastic sensitivity and noise-induced transitions. Journal of Difference Equations and Applications, 2016, 22, 376-390.	0.7	6
123	Stochastic Generation of Bursting Oscillations in the Three-dimensional Hindmarsh-Rose Model. Journal of Siberian Federal University - Mathematics and Physics, 2016, 9, 79-69.	0.2	3
124	Noise-induced intermittency and transition to chaos in the neuron Rulkov model. Vestnik Udmurtskogo Universiteta: Matematika, Mekhanika, Komp'yuternye Nauki, 2016, 26, 453-462.	0.0	3
125	Stochastic sensitivity analysis of noise-induced suppression of firing and giant variability of spiking in a Hodgkin-Huxley neuron model. Physical Review E, 2015, 91, 052920.	0.8	49
126	Stochastic bifurcations caused by multiplicative noise in systems with hard excitement of auto-oscillations. Physical Review E, 2015, 92, 042908.	0.8	26



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127	Stabilization of the stochastically forced equilibria for nonlinear discrete-time systems with incomplete information. AIP Conference Proceedings, 2015, , .	0.3	0
128	Stochastic Sensitivity Analysis and Control for Ecological Model with the Allee Effect. Mathematical Modelling of Natural Phenomena, 2015, 10, 130-140.	0.9	10
129	Order and chaos in the stochastic Hindmarsh-Rose model of the neuron bursting. Nonlinear Dynamics, 2015, 82, 919-932.	2.7	22
130	Analysis of stochastically forced quasi-periodic attractors. AIP Conference Proceedings, 2015, , .	0.3	0
131	Controlling the Stochastic Sensitivity in Nonlinear Discrete-Time Systems with Incomplete Information. Discrete Dynamics in Nature and Society, 2015, 2015, 1-5.	0.5	1
132	Analysis of stochastic model for nonlinear volcanic dynamics. Nonlinear Processes in Geophysics, 2015, 22, 197-204.	0.6	12
133	Noise-induced generation of saw-tooth type transitions between climate attractors and stochastic excitability of paleoclimate. European Physical Journal B, 2015, 88, 1.	0.6	3
134	How a small noise generates large-amplitude oscillations of volcanic plug and provides high seismicity. European Physical Journal B, 2015, 88, 1.	0.6	5
135	Analysis of dynamic regimes in stochastically forced Kaldor model. Chaos, Solitons and Fractals, 2015, 79, 96-104.	2.5	7
136	Approximating Chaotic Attractors by Period-Three Cycles in Discrete Stochastic Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550138.	0.7	10
137	Controlling bistability in a stochastic perception model. European Physical Journal: Special Topics, 2015, 224, 1477-1484.	1.2	25
138	Numerical analysis of randomly forced glycolytic oscillations. AIP Conference Proceedings, 2015, , .	0.3	0
139	Attainability analysis in stochastic controlled systems. AIP Conference Proceedings, 2015, , .	0.3	0
140	NOISE-INDUCED OSCILLATING BISTABILITY AND TRANSITION TO CHAOS IN FITZHUGH-RAGUMMO MODEL. Fluctuation and Noise Letters, 2014, 13, 1450004.	1.0	38
141	Stochastically driven transitions between climate attractors. Tellus, Series A: Dynamic Meteorology and Oceanography, 2014, 66, 23454.	0.8	17
142	Chaos-Fractals Theories and Applications. Mathematical Problems in Engineering, 2014, 2014, 1-1.	0.6	0
143	Analysis of the Noise-Induced Regimes in Ricker Population Model with Allee Effect via Confidence Domains Technique. BioMed Research International, 2014, 2014, 1-7.	0.9	7
144	Stochastic Bifurcations and Noise-Induced Chaos in a Dynamic Prey-Predator Plankton System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450109.	0.7	17

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145	Regular and chaotic regimes in Saltzman model of glacial climate dynamics under the influence of additive and parametric noise. European Physical Journal B, 2014, 87, 1.	0.6	11
146	Stochastic sensitivity of the closed invariant curves for discrete-time systems. Physica A: Statistical Mechanics and Its Applications, 2014, 410, 236-243.	1.2	32
147	Stochastic sensitivity analysis of the attractors for the randomly forced Ricker model with delay. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 3600-3606.	0.9	14
148	Confidence Domains in the Analysis of Noise-Induced Transition to Chaos for Goodwin Model of Business Cycles. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1440020.	0.7	18
149	Mean-square Stabilization of Invariant Manifolds for SDEs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9985-9990.	0.4	0
150	Sea Ice Dynamics Induced by External Stochastic Fluctuations. Pure and Applied Geophysics, 2013, 170, 2273-2282.	0.8	28
151	On controlling stochastic sensitivity of oscillatory systems. Automation and Remote Control, 2013, 74, 932-943.	0.4	0
152	Stabilizing stochastically-forced oscillation generators with hard excitement: a confidence-domain control approach. European Physical Journal B, 2013, 86, 1.	0.6	10
153	Solidification dynamics under random external-temperature fluctuations. Russian Metallurgy (Metally), 2013, 2013, 575-579.	0.1	1
154	Spectral criterion of stochastic stability for invariant manifolds1. Cybernetics and Systems Analysis, 2013, 49, 69-76.	0.4	0
155	Stochastic sensitivity analysis of the noise-induced excitability in a model of a hair bundle. Physical Review E, 2013, 87, 052711.	0.8	32
156	Stochastic sensitivity analysis of noise-induced intermittency and transition to chaos in one-dimensional discrete-time systems. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 295-306.	1.2	37
157	NOISE-INDUCED CHAOS AND BACKWARD STOCHASTIC BIFURCATIONS IN THE LORENZ MODEL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350092.	0.7	32
158	Attainability analysis in the problem of stochastic equilibria synthesis for nonlinear discrete systems. International Journal of Applied Mathematics and Computer Science, 2013, 23, 5-16.	1.5	4
159	Numerical analysis of noise-induced oscillating bistability in a prey-predator plankton system. , 2013, , .		0
160	Approximation of stochastic attractors for nonlinear SDEs via confidence domains. , 2013, , .		0
161	Noise-Induced Oscillations in the flow of Concentrated Suspensions. Prikladnaya Matematika I Mekhanika, 2012, 76, 466-474.	0.4	5
162	Analysis of noise-induced transitions from regular to chaotic oscillations in the Chen system. Chaos, 2012, 22, 033104.	1.0	31

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163	Stochastic equilibria control and chaos suppression for 3D systems via stochastic sensitivity synthesis. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 3381-3389.	1.7	28
164	Stabilization of stochastic cycles and chaos suppression for nonlinear discrete-time systems. <i>Nonlinear Dynamics</i> , 2012, 67, 2505-2517.	2.7	5
165	Control of Equilibria for Nonlinear Stochastic Discrete-Time Systems. <i>IEEE Transactions on Automatic Control</i> , 2011, 56, 2162-2166.	3.6	13
166	Stochastic sensitivity analysis of noise-induced excitement in a prey-predator plankton system. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2011, 5, 141-148.	1.1	25
167	Sensitivity analysis of stochastic attractors and noise-induced transitions for population model with Allee effect. <i>Chaos</i> , 2011, 21, 047514.	1.0	77
168	Non-Markovian models for migration-proliferation dichotomy of cancer cells: Anomalous switching and spreading rate. <i>Physical Review E</i> , 2011, 84, 061131.	0.8	27
169	Analysis of excitability for the FitzHugh-Nagumo model via a stochastic sensitivity function technique. <i>Physical Review E</i> , 2011, 83, 061109.	0.8	56
170	On the theory of oscillating flows in complex liquids. <i>Colloid Journal</i> , 2010, 72, 153-157.	0.5	4
171	On stochastic sensitivity control in discrete systems. <i>Automation and Remote Control</i> , 2010, 71, 1833-1848.	0.4	3
172	ANALYSIS OF STOCHASTIC CYCLES IN THE CHEN SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 1439-1450.	0.7	31
173	NOISE-INDUCED BACKWARD BIFURCATIONS OF STOCHASTIC 3D-CYCLES. <i>Fluctuation and Noise Letters</i> , 2010, 09, 89-106.	1.0	27
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