

# Iryna Sushko

## List of Publications by Year in descending order

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74  
papers

1,211  
citations

331670

21  
h-index

414414

32  
g-index

76  
all docs

76  
docs citations

76  
times ranked

282  
citing authors

#	ARTICLE	IF	CITATIONS
1	Border collision bifurcation of a resonant closed invariant curve. <i>Chaos</i> , 2022, 32, 043101.	2.5	1
2	Big or small? A new economic geography model with an endogenous switch in the market structure. <i>Chaos, Solitons and Fractals</i> , 2022, 161, 112257.	5.1	0
3	Causes of fragile stock market stability. <i>Journal of Economic Behavior and Organization</i> , 2022, 200, 483-498.	2.0	7
4	A propos Brexit: on the breaking up of integration areas – an NEG analysis. <i>Spatial Economic Analysis</i> , 2021, 16, 97-120.	1.6	4
5	Obtaining a hub position: A New Economic Geography analysis of industry location and trade network structures. <i>Metroeconomica</i> , 2021, 72, 148-172.	1.0	1
6	Dynamics of a two-dimensional map on nested circles and rings. <i>Chaos, Solitons and Fractals</i> , 2021, 143, 110553.	5.1	1
7	Necessary and sufficient conditions for the roots of a cubic polynomial and bifurcations of codimension-1, -2, -3 for 3D maps. <i>Journal of Difference Equations and Applications</i> , 2021, 27, 557-578.	1.1	10
8	Dynamics of a business cycle model with two types of governmental expenditures: the role of border collision bifurcations. <i>Decisions in Economics and Finance</i> , 2021, 44, 613-639.	1.8	1
9	Border collision bifurcations of chaotic attractors in one-dimensional maps with multiple discontinuities. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, 20210432.	2.1	3
10	Center Bifurcation in the Lozi Map. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, .	1.7	5
11	Codimension-two border collision bifurcation in a two-class growth model with optimal saving and switch in behavior. <i>Nonlinear Dynamics</i> , 2020, 102, 1071-1095.	5.2	1
12	Bifurcations in Smooth and Piecewise Smooth Noninvertible Maps. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019, , 83-128.	0.2	0
13	Dynamics of a generalized fashion cycle model. <i>Chaos, Solitons and Fractals</i> , 2019, 126, 135-147.	5.1	7
14	Growing through chaos in the Matsuyama map via subcritical flip bifurcation and bistability. <i>Chaos, Solitons and Fractals</i> , 2019, 124, 52-67.	5.1	1
15	A Route to Chaos in the Boros – Moll Map. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1930009.	1.7	1
16	Dynamics of a developing economy with a remote region: Agglomeration, trade integration and trade patterns. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 58, 303-327.	3.3	7
17	Coupled chaotic fluctuations in a model of international trade and innovation: Some preliminary results. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 58, 287-302.	3.3	9
18	A piecewise linear model of credit traps and credit cycles: a complete characterization. <i>Decisions in Economics and Finance</i> , 2018, 41, 119-143.	1.8	6

#	ARTICLE	IF	CITATIONS
19	A financial market model with two discontinuities: Bifurcation structures in the chaotic domain. Chaos, 2018, 28, 055908.	2.5	12
20	2D discontinuous piecewise linear map: Emergence of fashion cycles. Chaos, 2018, 28, 055917.	2.5	23
21	Emerging Trade Patterns in a 3-Region Linear NEG Model: Three Examples. Springer Proceedings in Complexity, 2018, , 38-80.	0.3	2
22	Dynamics of a minimal consumer network with bi-directional influence. Communications in Nonlinear Science and Numerical Simulation, 2018, 58, 107-118.	3.3	8
23	Cascades of alternating smooth bifurcations and border collision bifurcations with singularity in a family of discontinuous linear-power maps. Discrete and Continuous Dynamical Systems - Series B, 2018, 23, 701-729.	0.9	3
24	The role of centrality and market size in a four-region asymmetric new economic geography model. Journal of Evolutionary Economics, 2017, 27, 1095-1131.	1.7	11
25	Dynamics of a minimal consumer network with uni-directional influence. Journal of Evolutionary Economics, 2017, 27, 831-857.	1.7	5
26	Bifurcation Structures in a Bimodal Piecewise Linear Map. Frontiers in Applied Mathematics and Statistics, 2017, 3, .	1.3	0
27	Periodicity Induced by Production Constraints in Cournot Duopoly Models with Unimodal Reaction Curves. , 2017, , 73-93.		1
28	Alternating Smooth and Nonsmooth Bifurcations in a Discontinuous Linear-Power Map. Trends in Mathematics, 2017, , 59-64.	0.1	0
29	Dangerous Bifurcations Revisited. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1630040.	1.7	8
30	Robust chaos in a credit cycle model defined by a one-dimensional piecewise smooth map. Chaos, Solitons and Fractals, 2016, 91, 299-309.	5.1	10
31	Nonsmooth one-dimensional maps: some basic concepts and definitions. Journal of Difference Equations and Applications, 2016, 22, 1816-1870.	1.1	27
32	Bifurcation structure in the skew tent map and its application as a border collision normal form. Journal of Difference Equations and Applications, 2016, 22, 1040-1087.	1.1	29
33	Revisiting the model of credit cycles with Good and Bad projects. Journal of Economic Theory, 2016, 163, 525-556.	1.1	25
34	Trade Agreements and Regional Disparities. , 2016, , 31-52.		0
35	Some Dynamical Models in Regional Economics: Economic Structure and Analytic Tools. Springer Proceedings in Complexity, 2016, , 213-256.	0.3	0
36	Dynamic agglomeration patterns in a two-country new economic geography model with four regions. Chaos, Solitons and Fractals, 2015, 79, 2-17.	5.1	12

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37	Period adding structure in a 2D discontinuous model of economic growth. Applied Mathematics and Computation, 2015, 253, 262-273.	2.2	3
38	Symmetry breaking in a bull and bear financial market model. Chaos, Solitons and Fractals, 2015, 79, 57-72.	5.1	11
39	Bifurcation Structures in a Family of 1D Discontinuous Linear-Hyperbolic Invertible Maps. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530039.	1.7	4
40	Bifurcation Structures in a Bimodal Piecewise Linear Map: Chaotic Dynamics. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530006.	1.7	18
41	Typical bifurcation scenario in a three region identical New Economic Geography model. Mathematics and Computers in Simulation, 2015, 108, 63-80.	4.4	19
42	Bifurcation Structure in a Bimodal Piecewise Linear Business Cycle Model. Abstract and Applied Analysis, 2014, 2014, 1-12.	0.7	3
43	Codimension-2 Border Collision, Bifurcations in One-Dimensional, Discontinuous Piecewise Smooth Maps. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450024.	1.7	33
44	Cyclicity of chaotic attractors in one-dimensional discontinuous maps. Mathematics and Computers in Simulation, 2014, 95, 126-136.	4.4	10
45	A post-Keynesian model of growth and distribution with a constraint on investment. Structural Change and Economic Dynamics, 2014, 28, 12-24.	4.5	1
46	Regional integration, international liberalisation and the dynamics of industrial agglomeration. Journal of Economic Dynamics and Control, 2014, 48, 265-287.	1.6	29
47	Bifurcations of Chaotic Attractors in One-Dimensional Piecewise Smooth Maps. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1440012.	1.7	25
48	Superstable credit cycles and U-sequence. Chaos, Solitons and Fractals, 2014, 59, 13-27.	5.1	22
49	Bifurcation Structure in a Model of Monetary Dynamics with Two Kink Points. , 2014, , 65-81.		1
50	A Gallery of Bifurcation Scenarios in Piecewise Smooth 1D Maps. , 2013, , 369-395.		8
51	BIFURCATION STRUCTURES IN A BIMODAL PIECEWISE LINEAR MAP: REGULAR DYNAMICS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1330040.	1.7	26
52	Doubling bifurcation of a closed invariant curve in 3D maps. ESAIM: Proceedings and Surveys, 2012, 36, 180-188.	0.4	6
53	Critical homoclinic orbits lead to snap-back repellers. Chaos, Solitons and Fractals, 2011, 44, 433-449.	5.1	39
54	Border collision bifurcations of superstable cycles in a one-dimensional piecewise smooth map. Mathematics and Computers in Simulation, 2010, 81, 52-61.	4.4	16

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55	Border collision bifurcations in one-dimensional linear-hyperbolic maps. <i>Mathematics and Computers in Simulation</i> , 2010, 81, 899-914.	4.4	14
56	DEGENERATE BIFURCATIONS AND BORDER COLLISIONS IN PIECEWISE SMOOTH 1D AND 2D MAPS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 2045-2070.	1.7	103
57	Regular and chaotic growth in a Hicksian floor/ceiling model. <i>Journal of Economic Behavior and Organization</i> , 2010, 75, 77-94.	2.0	28
58	Growing through chaotic intervals. <i>Journal of Economic Theory</i> , 2008, 143, 541-557.	1.1	58
59	CENTER BIFURCATION FOR TWO-DIMENSIONAL BORDER-COLLISION NORMAL FORM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 1029-1050.	1.7	65
60	On the change of periodicities in the Hicksian multiplier-accelerator model with a consumption floor. <i>Chaos, Solitons and Fractals</i> , 2006, 29, 681-696.	5.1	5
61	Bifurcation structure of parameter plane for a family of unimodal piecewise smooth maps: Border-collision bifurcation curves. <i>Chaos, Solitons and Fractals</i> , 2006, 29, 756-770.	5.1	53
62	A Goodwin-Type Model with a Piecewise Linear Investment Function. , 2006, , 317-333.		5
63	Center Bifurcation for a Two-Dimensional Piecewise Linear Map. , 2006, , 49-78.		6
64	The Hicksian Model with Investment Floor and Income Ceiling. , 2006, , 179-191.		5
65	A Goodwin-Type Model with Cubic Investment Function. , 2006, , 299-316.		2
66	A Hicksian multiplier-accelerator model with floor determined by capital stock. <i>Journal of Economic Behavior and Organization</i> , 2005, 56, 331-348.	2.0	57
67	Bistability and border-collision bifurcations for a family of unimodal piecewise smooth maps. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2005, 5, 881-897.	0.9	37
68	Complex market dynamics under Boxâ€™Cox monopoly. <i>Chaos, Solitons and Fractals</i> , 2004, 21, 591-602.	5.1	1
69	Tongues of periodicity in a family of two-dimensional discontinuous maps of real MÃ¶bius type. <i>Chaos, Solitons and Fractals</i> , 2004, 21, 403-412.	5.1	32
70	A business cycle model with cubic nonlinearity. <i>Chaos, Solitons and Fractals</i> , 2004, 19, 597-612.	5.1	50
71	Hicksâ€™ trade cycle revisited: cycles and bifurcations. <i>Mathematics and Computers in Simulation</i> , 2003, 63, 505-527.	4.4	42
72	The Hicksian floorâ€™roof model for two regions linked by interregional trade. <i>Chaos, Solitons and Fractals</i> , 2003, 18, 593-612.	5.1	44

#	ARTICLE	IF	CITATIONS
73	Dynamical approach to complex regional economic growth based on Keynesian model for China. Chaos, Solitons and Fractals, 2003, 18, 937-952.	5.1	1
74	About Two Mechanisms of Reunion of Chaotic Attractors. Chaos, Solitons and Fractals, 1998, 9, 1373-1390.	5.1	26