Ivanka M Stamova

List of Publications by Year
in descending order

126	2,581	218381	233125
papers	citations	26 h-index	45 g-index

132	132	132	920
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fractional-order dynamics to study neuronal function. , 2022, , 429-456.		2
2	Synchronization in a Multiplex Network of Nonidentical Fractional-Order Neurons. Fractal and Fractional, 2022, 6, 169.	1.6	10
3	On the Solutions of a Quadratic Integral Equation of the Urysohn Type of Fractional Variable Order. Entropy, 2022, 24, 886.	1.1	3
4	On the Finite-Time Boundedness and Finite-Time Stability of Caputo-Type Fractional Order Neural Networks with Time Delay and Uncertain Terms. Fractal and Fractional, 2022, 6, 368.	1.6	6
5	Almost Periodicity in Impulsive Fractional-Order Reactionâ€“Diffusion Neural Networks With Time-Varying Delays. IEEE Transactions on Cybernetics, 2021, 51, 151-161.	6.2	71
6	Design of impulsive controllers and impulsive control strategy for the Mittag-Leffler stability behavior of fractional gene regulatory networks. Neurocomputing, 2021, 424, 54-62.	3.5	46
7	Practical exponential stability with respect to $ h- $manifolds of discontinuous delayed Cohenâ€“Grossberg neural networks with variable impulsive perturbations. Mathematical Modelling and Control, 2021, 1, 26-34.	0.4	11
8	Almost periodic dynamics in a new class of impulsive reactionâ€“diffusion neural networks with fractional-like derivatives. Chaos, Solitons and Fractals, 2021, 143, 110647.	2.5	14
9	Computational Mathematics and Neural Systems. Mathematics, 2021, 9, 754.	1.1	0
10	On the Boundary Value Problems of Hadamard Fractional Differential Equations of Variable Order via Kuratowski MNC Technique. Mathematics, 2021, 9, 1134.	1.1	21
11	Impulsive Fractional Differential Inclusions and Almost Periodic Waves. Mathematics, 2021, 9, 1413.	1.1	0
12	Impulsive Fractional Cohen-Grossberg Neural Networks: Almost Periodicity Analysis. Fractal and Fractional, 2021, 5, 78.	1.6	8
13	Global asymptotic stability and S-asymptotic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:mi>Ï‰</mml:mi></mml:math>-periodicity of impulsive non-autonomous fractional-order neural networks. Applied Mathematics and Computation, 2021, 410, 126459.	1.4	6
14	On the stability with respect to manifolds of reaction-diffusion impulsive control fractional-order neural networks with time-varying delays. AIP Conference Proceedings, 2021, , .	0.3	2
15	Impulsive Reaction-Diffusion Delayed Models in Biology: Integral Manifolds Approach. Entropy, 2021, 23, 1631.	1.1	7
16	Lyapunov Approach for Almost Periodicity in Impulsive Gene Regulatory Networks of Fractional Order with Time-Varying Delays. Fractal and Fractional, 2021, 5, 268.	1.6	7
17	Novel trend of mixed Minkowski volumes applications. Applicable Analysis, 2020, 99, 717-724.	0.6	0
18	Almost periodic solutions of Cohenâ€“Grossberg neural networks with time-varying delay and variable impulsive perturbations. Communications in Nonlinear Science and Numerical Simulation, 2020, 80, 104952.	1.7	33

#	Article	IF	Citations
19	Fractional-like Hukuhara derivatives in the theory of set-valued differential equations. Chaos, Solitons and Fractals, 2020, 131, 109487.	2.5	5
20	Stability of Sets Criteria for Impulsive Cohen-Grossberg Delayed Neural Networks with Reaction-Diffusion Terms. Mathematics, 2020, 8, 27.	1.1	6
21	Fractional Lotka-Volterra-Type Cooperation Models: Impulsive Control on Their Stability Behavior. Entropy, 2020, 22, 970.	1.1	9
22	Fractional order controllers increase the robustness of closed-loop deep brain stimulation systems. Chaos, Solitons and Fractals, 2020, 140, 110149.	2.5	34
23	Impulsive Control Via Variable Impulsive Perturbations on a Generalized Robust Stability for Cohenâ€“Grossberg Neural Networks With Mixed Delays. IEEE Access, 2020, 8, 222890-222899.	2.6	8
24	Design and Practical Stability of a New Class of Impulsive Fractional-Like Neural Networks. Entropy, 2020, 22, 337.	1.1	10
25	Stability analysis of uncertain impulsive systems via fuzzy differential equations. International Journal of Systems Science, 2020, 51, 643-654.	3.7	3
26	On the Stability with Respect to H-Manifolds for Cohenâ€“Grossberg-Type Bidirectional Associative Memory Neural Networks with Variable Impulsive Perturbations and Time-Varying Delays. Mathematics, 2020, 8, 335.	1.1	10
27	Global Stability of Integral Manifolds for Reactionâ€“Diffusion Delayed Neural Networks of Cohenâ€“Grossberg-Type under Variable Impulsive Perturbations. Mathematics, 2020, 8, 1082.	1.1	12
28	On the practical stability with respect toh-manifolds of hybrid Kolmogorov systems with variable impulsive perturbations. Nonlinear Analysis: Theory, Methods & Applications, 2020, 201, 111775.	0.6	6
29	Impulsive control strategy for the Mittag-Leffler synchronization of fractional-order neural networks with mixed bounded and unbounded delays. AIMS Mathematics, 2020, 6, 2287-2303.	0.7	11
30	Matrix Lyapunov functions method for sets of dynamic equations on time scales. Nonlinear Analysis: Hybrid Systems, 2019, 34, 166-178.	2.1	2
31	Practical Stability with Respect to h-Manifolds for Impulsive Control Functional Differential Equations with Variable Impulsive Perturbations. Mathematics, 2019, 7, 656.	1.1	11
32	Asymptotic equivalence of ordinary and impulsive operatorâ€“differential equations. Communications in Nonlinear Science and Numerical Simulation, 2019, 78, 104891.	1.7	1
33	Practical stability analysis with respect to manifolds and boundedness of differential equations with fractional-like derivatives. Rocky Mountain Journal of Mathematics, 2019, 49, .	0.2	16
34	Impulsive Fractional-Like Differential Equations: Practical Stability and Boundedness with Respect to h-Manifolds. Fractal and Fractional, 2019, 3, 50.	1.6	10
35	Impulsive Delayed Lasotaâ€“Wazewska Fractional Models: Global Stability of Integral Manifolds. Mathematics, 2019, 7, 1025.	1.1	9
36	Reaction-diffusion impulsive fractionalâ€“order bidirectional neural networks with distributed delays: Mittagâ€“Leffler stability along manifolds. AIP Conference Proceedings, 2019, , .	0.3	3

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37	Stability of sets of hybrid dynamical systems with aftereffect. Nonlinear Analysis: Hybrid Systems, 2019, 32, 106-114.	2.1	6
38	Stability analysis of set trajectories for families of impulsive equations. Applicable Analysis, 2019, 98, 828-842.	0.6	3
39	Uncertain impulsive differential systems of fractional order: almost periodic solutions. International Journal of Systems Science, 2018, 49, 631-638.	3.7	13
40	Uncertain impulsive Lotkaâ€“Volterra competitive systems: Robust stability of almost periodic solutions. Chaos, Solitons and Fractals, 2018, 110, 178-184.	2.5	12
41	On almost periodic processes in impulsive fractional-order competitive systems. Journal of Mathematical Chemistry, 2018, 56, 583-596.	0.7	5
42	Delayed Reactionâ€“Diffusion Cellular Neural Networks of Fractional Order: Mittagâ€“Leffler Stability and Synchronization. Journal of Computational and Nonlinear Dynamics, 2018, 13, .	0.7	26
43	Mittag-Leffler stability of impulsive fractional-order bi-directional associative memory neural networks with time-varying delays. Transactions of the Institute of Measurement and Control, 2018, 40, 3068-3077.	1.1	18
44	Uncertain impulsive functional differential systems of fractional order and almost periodicity. Journal of the Franklin Institute, 2018, 355, 5310-5323.	1.9	18
45	Integral estimates of the solutions of fractional-like equations of perturbed motion. Nonlinear Analysis: Modelling and Control, 2018, 24, 138-149.	1.1	11
46	An impulsive delay discrete stochastic neural network fractional-order model and applications in finance. Filomat, 2018, 32, 6339-6352.	0.2	6
47	Impulsive fractional-order neural networks with time-varying delays: almost periodic solutions. Neural Computing and Applications, 2017, 28, 3307-3316.	3.2	28
48	On stable integral manifolds for impulsive Kolmogorov systems of fractional order. Modern Physics Letters B, 2017, 31, 1750168.	1.0	2
49	Modelling and almost periodic processes in impulsive Lasota-Wazewska equations of fractional order with time-varying delays. Quaestiones Mathematicae, 2017, 40, 1041-1057.	0.2	6
50	Mittag-Leffler synchronization of fractional neural networks with time-varying delays and reactionâ€“diffusion terms using impulsive and linear controllers. Neural Networks, 2017, 96, 22-32.	3.3	105
51	On the Mittagâ€“Leffler Stability of Impulsive Fractional Solow-Type Models. International Journal of Nonlinear Sciences and Numerical Simulation, 2017, 18, 315-325.	0.4	1
52	A fractional-order impulsive delay model of price fluctuations in commodity markets: almost periodic solutions. European Physical Journal: Special Topics, 2017, 226, 3811-3825.	1.2	9
53	Stability analysis of the set of trajectories for differential equations with fractional dynamics. European Physical Journal: Special Topics, 2017, 226, 3609-3637.	1.2	5
54	Impulsive control functional differential systems of fractional order: stability with respect to manifolds. European Physical Journal: Special Topics, 2017, 226, 3591-3607.	1.2	11

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55	Fractional Dynamical Systems: Recent Trends in Theory and Applications. European Physical Journal: Special Topics, 2017, 226, 3327-3331.	1.2	3
56	Basic Theory. CMS Books in Mathematics, 2016, , 11-40.	0.8	0
57	Impulsive Biological Models. CMS Books in Mathematics, 2016, , 41-112.	0.8	1
58	Impulsive Models in Population Dynamics. CMS Books in Mathematics, 2016, , 113-205.	0.8	0
59	Impulsive Neural Networks. CMS Books in Mathematics, 2016, , 207-269.	0.8	2
60	Impulsive Models in Economics. CMS Books in Mathematics, 2016, , 271-297.	0.8	0
61	Applied Impulsive Mathematical Models. CMS Books in Mathematics, 2016, , .	0.8	51
62	Practical stability analysis of fractional-order impulsive control systems. ISA Transactions, 2016, 64, 77-85.	3.1	32
63	Recent Developments and Applications on Qualitative Theory of Fractional Equations and Related Topics. Abstract and Applied Analysis, 2015, 2015, 1-2.	0.3	1
64	Second method of Lyapunov and almost periodic solutions for impulsive differential systems of fractional order. IMA Journal of Applied Mathematics, 2015, 80, 1619-1633.	0.8	13
65	Impulsive Fractional Functional Differential Systems and Lyapunov Method for the Existence of Almost Periodic Solutions. Reports on Mathematical Physics, 2015, 75, 73-84.	0.4	11
66	Mittag-Leffler stability of impulsive differential equations of fractional order. Quarterly of Applied Mathematics, 2015, 73, 525-535.	0.5	49
67	On the Lyapunov theory for functional differential equations of fractional order. Proceedings of the American Mathematical Society, 2015, 144, 1581-1593.	0.4	18
68	Uncertain Dynamical Systems 2014. Abstract and Applied Analysis, 2014, 2014, 1-2.	0.3	0
69	Global exponential stability of a class of impulsive cellular neural networks with supremums. International Journal of Adaptive Control and Signal Processing, 2014, 28, 1227-1239.	2.3	124
70	Asymptotic stability of impulsive control neutral-type systems. International Journal of Control, 2014, 87, 25-31.	1.2	13
71	Integral manifolds of impulsive fractional functional differential systems. Applied Mathematics Letters, 2014, 35, 63-66.	1.5	3
72	Stability analysis of impulsive functional systems of fractional order. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 702-709.	1.7	95

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73	Impulsive effects on global stability of models based on impulsive differential equations with â€œsupremumâ€•and variable impulsive perturbations. Applied Mathematics and Mechanics (English) Tj ETQq1 1 0.784314 rgBT /Over	1.7	6
74	Almost periodic solutions for impulsive fractional differential equations. Dynamical Systems, 2014, 29, 119-132.	0.2	25
75	Global Mittag-Leffler stability and synchronization of impulsive fractional-order neural networks with time-varying delays. Nonlinear Dynamics, 2014, 77, 1251-1260.	2.7	202
76	Global stability of impulsive fractional differential equations. Applied Mathematics and Computation, 2014, 237, 605-612.	1.4	48
77	Integral manifolds for uncertain impulsive differentialâ€“difference equations with variable impulsive perturbations. Chaos, Solitons and Fractals, 2014, 65, 90-96.	2.5	12
78	Impulsive effects on the global exponential stability of neural network models with supremums. European Journal of Control, 2014, 20, 199-206.	1.6	14
79	Asymptotic Stability Criteria for a Class of Impulsive Functional Differential Systems. Applied Mathematics and Information Sciences, 2014, 8, 1475-1483.	0.7	1
80	On the stability of the solutions of an impulsive Solow model with endogenous population. Economic Change and Restructuring, 2013, 46, 203-217.	2.5	6
81	Stability analysis of differential equations with maximum. Mathematica Slovaca, 2013, 63, .	0.3	3
82	Lipschitz stability criteria for functional differential systems of fractional order. Journal of Mathematical Physics, 2013, 54, 043502.	0.5	25
83	Impulsive control on global exponential stability for cellular neural networks with supremums. JVC/Journal of Vibration and Control, 2013, 19, 483-490.	1.5	25
84	Uncertain Dynamical Systems: Analysis and Applications. Abstract and Applied Analysis, 2013, 2013, 1-2.	0.3	2
85	On the stability of sets for delayed Kolmogorov-type systems. Proceedings of the American Mathematical Society, 2013, 142, 591-601.	0.4	6
86	Global exponential stability for a class of impulsive BAM neural networks with distributed delays. Applied Mathematics and Information Sciences, 2013, 7, 1539-1546.	0.7	19
87	Impulsive control on the asymptotic stability of the solutions of a Solow model with endogenous labor growth. Journal of the Franklin Institute, 2012, 349, 2704-2716.	1.9	21
88	Existence of almost periodic solutions for strongly stable nonlinear impulsive differentialâ€“difference equations. Nonlinear Analysis: Hybrid Systems, 2012, 6, 818-823.	2.1	16
89	EVENTUAL STABILITY AND EVENTUAL BOUNDEDNESS FOR IMPULSIVE DIFFERENTIAL EQUATIONS WITH â€œSUPREMUMâ€• Mathematical Modelling and Analysis, 2011, 16, 304-314.	0.7	6
90	Asymptotic behavior of equilibriums of a class of impulsive bidirectional associative memory neural networks with time-varying delays. Neural Computing and Applications, 2011, 20, 1111-1116.	3.2	5

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91	Impulsive control on global asymptotic stability for a class of impulsive bidirectional associative memory neural networks with distributed delays. Mathematical and Computer Modelling, 2011, 53, 824-831.	2.0	32
92	Qualitative Analysis of Dynamic Activity Patterns in Neural Networks. Journal of Applied Mathematics, 2011, 2011, 1-2.	0.4	3
93	Existence and global asymptotic stability of positive periodic solutions ofn-species delay impulsive Lotkaâ€“Volterra type systems. Journal of Biological Dynamics, 2011, 5, 619-635.	0.8	7
94	Lyapunov-Razumikhin method for impulsive differential equations with 'supremum'. IMA Journal of Applied Mathematics, 2011, 76, 573-581.	0.8	13
95	Impulsive control for a class of neural networks with bounded and unbounded delays. Applied Mathematics and Computation, 2010, 216, 285-290.	1.4	18
96	Impulsive control for stability of <mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http. Applied Mathematics	1.5	29
97	On global exponential stability for impulsive cellular neural networks with time-varying delays. Computers and Mathematics With Applications, 2010, 59, 3508-3515.	1.4	54
98	Parametric Stability of Impulsive Functional Differential Equations. Journal of Dynamical and Control Systems, 2008, 14, 235-250.	0.4	4
99	Global exponential stability for impulsive cellular neural networks with time-varying delays. Nonlinear Analysis: Theory, Methods & Applications, 2008, 69, 786-795.	0.6	82
100	Survival and extinction in competitive systems. Nonlinear Analysis: Real World Applications, 2008, 9, 708-717.	0.9	5
101	BOUNDEDNESS OF IMPULSIVE FUNCTIONAL DIFFERENTIAL EQUATIONS WITH VARIABLE IMPULSIVE PERTURBATIONS. Bulletin of the Australian Mathematical Society, 2008, 77, 331-345.	0.3	20
102	Almost periodic solutions for impulsive neural networks with delay. Applied Mathematical Modelling, 2007, 31, 1263-1270.	2.2	87
103	Asymptotic stability of an N-dimensional impulsive competitive system. Nonlinear Analysis: Real World Applications, 2007, 8, 654-663.	0.9	55
104	Vector Lyapunov functions for practical stability of nonlinear impulsive functional differential equations. Journal of Mathematical Analysis and Applications, 2007, 325, 612-623.	0.5	50
105	Asymptotic stability of competitive systems with delays and impulsive perturbations. Journal of Mathematical Analysis and Applications, 2007, 334, 686-700.	0.5	62
106	Lyapunov method for boundedness of solutions of nonlinear impulsive functional differential equations. Applied Mathematics and Computation, 2006, 177, 714-719.	1.4	9
107	On the conditional stability of impulsive functional differential equations. Applied Mathematics Research EXpress, 2006, , .	1.0	0
108	Partial persistence and extinction in -dimensional competitive systems. Nonlinear Analysis: Theory, Methods & Applications, 2005, 60, 821-836.	0.6	32

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109	Almost necessary and sufficient conditions for survival of species. Nonlinear Analysis: Real World Applications, 2004, 5, 219-229.	0.9	44
110	Practical stability of the solutions of impulsive systems of differential-difference equations via the method of comparison and some applications to population dynamics. ANZIAM Journal, 2002, 43, 525-539.	0.3	7
111	Stability of the solutions of impulsive functional-differential equations by Lyapunov's direct method. ANZIAM Journal, 2001, 43, 269-278.	0.3	6
112	Vector Lyapunov functions and conditional stability for systems of impulsive differential-difference equations. ANZIAM Journal, 2001, 42, 341-353.	0.3	3
113	Lipschitz stability of impulsive functional-differential equations. ANZIAM Journal, 2001, 42, 504-514.	0.3	13
114	Lyapunovâ€“Razumikhin method for impulsive functional differential equations and applications to the population dynamics. Journal of Computational and Applied Mathematics, 2001, 130, 163-171.	1.1	105
115	Second Method of Lyapunov and Existence of Integral Manifolds for Impulsive Differential-Difference Equations. Journal of Mathematical Analysis and Applications, 2001, 258, 371-379.	0.5	7
116	Second method of Lyapunov and comparison principle for impulsive differentialâ€“difference equations. Journal of the Australian Mathematical Society Series B Applied Mathematics, 1997, 38, 489-505.	0.3	6
117	Global stability of the solutions of impulsive differentialâ€difference equations with variable impulsive perturbations. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1997, 16, 3-16.	0.5	5
118	Global stability of sets for linear. Applicable Analysis, 1996, 62, 149-160.	0.6	8
119	Instability of solutions of impulsive systems of differential equations. International Journal of Theoretical Physics, 1996, 35, 1799-1804.	0.5	1
120	On the Practical Stability of the Solutions of Impulsive Systems of Differential-Difference Equations with Variable Impulsive Perturbations. Journal of Mathematical Analysis and Applications, 1996, 200, 272-288.	0.5	17
121	Lipschitz quasistability of impulsive differential-difference equations with variable impulsive perturbations. Journal of Computational and Applied Mathematics, 1996, 70, 267-277.	1.1	12
122	Uniform asymptotic stability of impulsive differential-difference equations of neutral type by Lyapunov's direct method. Journal of Computational and Applied Mathematics, 1995, 62, 359-369.	1.1	19
123	Stability under Persistent Disturbances of Impulsive Differential-Difference Equations of Neutral Type. Journal of Mathematical Analysis and Applications, 1994, 187, 790-808.	0.5	29
124	Estimates of the solutions of impulsive quasilinear functional differential equations. Annales De La FacultÃ© Des Sciences De Toulouse, 1991, 12, 149-161.	0.3	14
125	On the almost periodicity in discontinuous impulsive gene regulatory networks. Mathematical Methods in the Applied Sciences, 0, , .	1.2	2
126	On the boundedness and Lagrange stability of fractional-like neural network-based quasilinear systems. European Physical Journal: Special Topics, 0, , 1.	1.2	2