Ivanka M Stamova

List of Publications by Year
in descending order

126	2,581	218677	233421
papers	citations	26 h-index	45 g-index

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

#	Article	IF	Citations
1	Global Mittag-Leffler stability and synchronization of impulsive fractional-order neural networks with time-varying delays. Nonlinear Dynamics, 2014, 77, 1251-1260.	5.2	202
2	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.	4.1	124
3	Lyapunovâ€“Razumikhin method for impulsive functional differential equations and applications to the population dynamics. Journal of Computational and Applied Mathematics, 2001, 130, 163-171.	2.0	105
4	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.	5.9	105
5	Stability analysis of impulsive functional systems of fractional order. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 702-709.	3.3	95
6	Almost periodic solutions for impulsive neural networks with delay. Applied Mathematical Modelling, 2007, 31, 1263-1270.	4.2	87
7	Global exponential stability for impulsive cellular neural networks with time-varying delays. Nonlinear Analysis: Theory, Methods & Applications, 2008, 69, 786-795.	1.1	82
8	Almost Periodicity in Impulsive Fractional-Order Reactionâ€“Diffusion Neural Networks With Time-Varying Delays. IEEE Transactions on Cybernetics, 2021, 51, 151-161.	9.5	71
9	Asymptotic stability of competitive systems with delays and impulsive perturbations. Journal of Mathematical Analysis and Applications, 2007, 334, 686-700.	1.0	62
10	Asymptotic stability of an N-dimensional impulsive competitive system. Nonlinear Analysis: Real World Applications, 2007, 8, 654-663.	1.7	55
11	On global exponential stability for impulsive cellular neural networks with time-varying delays. Computers and Mathematics With Applications, 2010, 59, 3508-3515.	2.7	54
12	Applied Impulsive Mathematical Models. CMS Books in Mathematics, 2016, , .	0.8	51
13	Vector Lyapunov functions for practical stability of nonlinear impulsive functional differential equations. Journal of Mathematical Analysis and Applications, 2007, 325, 612-623.	1.0	50
14	Mittag-Leffler stability of impulsive differential equations of fractional order. Quarterly of Applied Mathematics, 2015, 73, 525-535.	0.7	49
15	Global stability of impulsive fractional differential equations. Applied Mathematics and Computation, 2014, 237, 605-612.	2.2	48
16	Design of impulsive controllers and impulsive control strategy for the Mittag-Leffler stability behavior of fractional gene regulatory networks. Neurocomputing, 2021, 424, 54-62.	5.9	46
17	Almost necessary and sufficient conditions for survival of species. Nonlinear Analysis: Real World Applications, 2004, 5, 219-229.	1.7	44
18	Fractional order controllers increase the robustness of closed-loop deep brain stimulation systems. Chaos, Solitons and Fractals, 2020, 140, 110149.	5.1	34

#	Article	IF	Citations
19	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.	3.3	33
20	Partial persistence and extinction in -dimensional competitive systems. Nonlinear Analysis: Theory, Methods & Applications, 2005, 60, 821-836.	1.1	32
21	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
22	Practical stability analysis of fractional-order impulsive control systems. ISA Transactions, 2016, 64, 77-85.	5.7	32
23	Stability under Persistent Disturbances of Impulsive Differential-Difference Equations of Neutral Type. Journal of Mathematical Analysis and Applications, 1994, 187, 790-808.	1.0	29
24	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 l	2.7	29
25	Impulsive fractional-order neural networks with time-varying delays: almost periodic solutions. Neural Computing and Applications, 2017, 28, 3307-3316.	5.6	28
26	Delayed Reactionâ€“Diffusion Cellular Neural Networks of Fractional Order: Mittagâ€“Leffler Stability and Synchronization. Journal of Computational and Nonlinear Dynamics, 2018, 13, .	1.2	26
27	Lipschitz stability criteria for functional differential systems of fractional order. Journal of Mathematical Physics, 2013, 54, 043502.	1.1	25
28	Impulsive control on global exponential stability for cellular neural networks with supremums. JVC/Journal of Vibration and Control, 2013, 19, 483-490.	2.6	25
29	Almost periodic solutions for impulsive fractional differential equations. Dynamical Systems, 2014, 29, 119-132.	0.4	25
30	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.	3.4	21
31	On the Boundary Value Problems of Hadamard Fractional Differential Equations of Variable Order via Kuratowski MNC Technique. Mathematics, 2021, 9, 1134.	2.2	21
32	BOUNDEDNESS OF IMPULSIVE FUNCTIONAL DIFFERENTIAL EQUATIONS WITH VARIABLE IMPULSIVE PERTURBATIONS. Bulletin of the Australian Mathematical Society, 2008, 77, 331-345.	0.5	20
33	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.	2.0	19
34	Global exponential stability for a class of impulsive BAM neural networks with distributed delays. Applied Mathematics and Information Sciences, 2013, 7, 1539-1546.	0.5	19
35	Impulsive control for a class of neural networks with bounded and unbounded delays. Applied Mathematics and Computation, 2010, 216, 285-290.	2.2	18
36	On the Lyapunov theory for functional differential equations of fractional order. Proceedings of the American Mathematical Society, 2015, 144, 1581-1593.	0.8	18

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37	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.	1.7	18
38	Uncertain impulsive functional differential systems of fractional order and almost periodicity. Journal of the Franklin Institute, 2018, 355, 5310-5323.	3.4	18
39	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.	1.0	17
40	Existence of almost periodic solutions for strongly stable nonlinear impulsive differentialâ€“difference equations. Nonlinear Analysis: Hybrid Systems, 2012, 6, 818-823.	3.5	16
41	Practical stability analysis with respect to manifolds and boundedness of differential equations with fractional-like derivatives. Rocky Mountain Journal of Mathematics, 2019, 49, .	0.4	16
42	Impulsive effects on the global exponential stability of neural network models with supremums. European Journal of Control, 2014, 20, 199-206.	2.6	14
43	Almost periodic dynamics in a new class of impulsive reactionâ€“diffusion neural networks with fractional-like derivatives. Chaos, Solitons and Fractals, 2021, 143, 110647.	5.1	14
44	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
45	Lipschitz stability of impulsive functional-differential equations. ANZIAM Journal, 2001, 42, 504-514.	0.2	13
46	Lyapunov-Razumikhin method for impulsive differential equations with 'supremum'. IMA Journal of Applied Mathematics, 2011, 76, 573-581.	1.6	13
47	Asymptotic stability of impulsive control neutral-type systems. International Journal of Control, 2014, 87, 25-31.	1.9	13
48	Second method of Lyapunov and almost periodic solutions for impulsive differential systems of fractional order. IMA Journal of Applied Mathematics, 2015, 80, 1619-1633.	1.6	13
49	Uncertain impulsive differential systems of fractional order: almost periodic solutions. International Journal of Systems Science, 2018, 49, 631-638.	5.5	13
50	Lipschitz quasistability of impulsive differential-difference equations with variable impulsive perturbations. Journal of Computational and Applied Mathematics, 1996, 70, 267-277.	2.0	12
51	Integral manifolds for uncertain impulsive differentialâ€“difference equations with variable impulsive perturbations. Chaos, Solitons and Fractals, 2014, 65, 90-96.	5.1	12
52	Uncertain impulsive Lotkaâ€“Volterra competitive systems: Robust stability of almost periodic solutions. Chaos, Solitons and Fractals, 2018, 110, 178-184.	5.1	12
53	Global Stability of Integral Manifolds for Reactionâ€“Diffusion Delayed Neural Networks of Cohenâ€“Grossberg-Type under Variable Impulsive Perturbations. Mathematics, 2020, 8, 1082.	2.2	12
54	Impulsive Fractional Functional Differential Systems and Lyapunov Method for the Existence of Almost Periodic Solutions. Reports on Mathematical Physics, 2015, 75, 73-84.	0.8	11

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55	Impulsive control functional differential systems of fractional order: stability with respect to manifolds. European Physical Journal: Special Topics, 2017, 226, 3591-3607.	2.6	11
56	Practical Stability with Respect to h-Manifolds for Impulsive Control Functional Differential Equations with Variable Impulsive Perturbations. Mathematics, 2019, 7, 656.	2.2	11
57	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.	0.9	11
58	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.	1.6	11
59	Integral estimates of the solutions of fractional-like equations of perturbed motion. Nonlinear Analysis: Modelling and Control, 2018, 24, 138-149.	1.6	11
60	Impulsive Fractional-Like Differential Equations: Practical Stability and Boundedness with Respect to h-Manifolds. Fractal and Fractional, 2019, 3, 50.	3.3	10
61	Design and Practical Stability of a New Class of Impulsive Fractional-Like Neural Networks. Entropy, 2020, 22, 337.	2.2	10
62	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.	2.2	10
63	Synchronization in a Multiplex Network of Nonidentical Fractional-Order Neurons. Fractal and Fractional, 2022, 6, 169.	3.3	10
64	Lyapunov method for boundedness of solutions of nonlinear impulsive functional differential equations. Applied Mathematics and Computation, 2006, 177, 714-719.	2.2	9
65	A fractional-order impulsive delay model of price fluctuations in commodity markets: almost periodic solutions. European Physical Journal: Special Topics, 2017, 226, 3811-3825.	2.6	9
66	Impulsive Delayed Lasotaâ€“Wazewska Fractional Models: Global Stability of Integral Manifolds. Mathematics, 2019, 7, 1025.	2.2	9
67	Fractional Lotka-Volterra-Type Cooperation Models: Impulsive Control on Their Stability Behavior. Entropy, 2020, 22, 970.	2.2	9
68	Global stability of sets for linear. Applicable Analysis, 1996, 62, 149-160.	1.3	8
69	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.	4.2	8
70	Impulsive Fractional Cohen-Grossberg Neural Networks: Almost Periodicity Analysis. Fractal and Fractional, 2021, 5, 78.	3.3	8
71	Second Method of Lyapunov and Existence of Integral Manifolds for Impulsive Differential-Difference Equations. Journal of Mathematical Analysis and Applications, 2001, 258, 371-379.	1.0	7
72	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.	0.2	7

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73	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.	1.7	7
74	Impulsive Reaction-Diffusion Delayed Models in Biology: Integral Manifolds Approach. Entropy, 2021, 23, 1631.	2.2	7
75	Lyapunov Approach for Almost Periodicity in Impulsive Gene Regulatory Networks of Fractional Order with Time-Varying Delays. Fractal and Fractional, 2021, 5, 268.	3.3	7
76	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.	0.2	6
77	Stability of the solutions of impulsive functional-differential equations by Lyapunov's direct method. ANZIAM Journal, 2001, 43, 269-278.	0.2	6
78	EVENTUAL STABILITY AND EVENTUAL BOUNDEDNESS FOR IMPULSIVE DIFFERENTIAL EQUATIONS WITH â€œSUPREMUMâ€• Mathematical Modelling and Analysis, 2011, 16, 304-314.	1.5	6
79	On the stability of the solutions of an impulsive Solow model with endogenous population. Economic Change and Restructuring, 2013, 46, 203-217.	5.0	6
80	On the stability of sets for delayed Kolmogorov-type systems. Proceedings of the American Mathematical Society, 2013, 142, 591-601.	0.8	6
81	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	0.8	6
82	Modelling and almost periodic processes in impulsive Lasota-Wazewska equations of fractional order with time-varying delays. Quaestiones Mathematicae, 2017, 40, 1041-1057.	0.6	6
83	Stability of sets of hybrid dynamical systems with aftereffect. Nonlinear Analysis: Hybrid Systems, 2019, 32, 106-114.	3.5	6
84	Stability of Sets Criteria for Impulsive Cohen-Grossberg Delayed Neural Networks with Reaction-Diffusion Terms. Mathematics, 2020, 8, 27.	2.2	6
85	On the practical stability with respect toh-manifolds of hybrid Kolmogorov systems with variable impulsive perturbations. Nonlinear Analysis: Theory, Methods & Applications, 2020, 201, 111775.	1.1	6
86	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.	2.2	6
87	An impulsive delay discrete stochastic neural network fractional-order model and applications in finance. Filomat, 2018, 32, 6339-6352.	0.5	6
88	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.	3.3	6
89	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.	0.9	5
90	Survival and extinction in competitive systems. Nonlinear Analysis: Real World Applications, 2008, 9, 708-717.	1.7	5

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91	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.	5.6	5
92	Stability analysis of the set of trajectories for differential equations with fractional dynamics. European Physical Journal: Special Topics, 2017, 226, 3609-3637.	2.6	5
93	On almost periodic processes in impulsive fractional-order competitive systems. Journal of Mathematical Chemistry, 2018, 56, 583-596.	1.5	5
94	Fractional-like Hukuhara derivatives in the theory of set-valued differential equations. Chaos, Solitons and Fractals, 2020, 131, 109487.	5.1	5
95	Parametric Stability of Impulsive Functional Differential Equations. Journal of Dynamical and Control Systems, 2008, 14, 235-250.	0.8	4
96	Vector Lyapunov functions and conditional stability for systems of impulsive differential-difference equations. ANZIAM Journal, 2001, 42, 341-353.	0.2	3
97	Qualitative Analysis of Dynamic Activity Patterns in Neural Networks. Journal of Applied Mathematics, 2011, 2011, 1-2.	0.9	3
98	Stability analysis of differential equations with maximum. Mathematica Slovaca, 2013, 63, .	0.6	3
99	Integral manifolds of impulsive fractional functional differential systems. Applied Mathematics Letters, 2014, 35, 63-66.	2.7	3
100	Fractional Dynamical Systems: Recent Trends in Theory and Applications. European Physical Journal: Special Topics, 2017, 226, 3327-3331.	2.6	3
101	Reaction-diffusion impulsive fractionalâ€“order bidirectional neural networks with distributed delays: Mittagâ€“Leffler stability along manifolds. AIP Conference Proceedings, 2019, , .	0.4	3
102	Stability analysis of set trajectories for families of impulsive equations. Applicable Analysis, 2019, 98, 828-842.	1.3	3
103	Stability analysis of uncertain impulsive systems via fuzzy differential equations. International Journal of Systems Science, 2020, 51, 643-654.	5.5	3
104	On the Solutions of a Quadratic Integral Equation of the Urysohn Type of Fractional Variable Order. Entropy, 2022, 24, 886.	2.2	3
105	Uncertain Dynamical Systems: Analysis and Applications. Abstract and Applied Analysis, 2013, 2013, 1-2.	0.7	2
106	Impulsive Neural Networks. CMS Books in Mathematics, 2016, , 207-269.	0.8	2
107	On stable integral manifolds for impulsive Kolmogorov systems of fractional order. Modern Physics Letters B, 2017, 31, 1750168.	1.9	2
108	Matrix Lyapunov functions method for sets of dynamic equations on time scales. Nonlinear Analysis: Hybrid Systems, 2019, 34, 166-178.	3.5	2

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109	On the almost periodicity in discontinuous impulsive gene regulatory networks. Mathematical Methods in the Applied Sciences, 0, , .	2.3	2
110	On the stability with respect to manifolds of reaction-diffusion impulsive control fractional-order neural networks with time-varying delays. AIP Conference Proceedings, 2021, , .	0.4	2
111	Fractional-order dynamics to study neuronal function. , 2022, , 429-456.		2
112	On the boundedness and Lagrange stability of fractional-like neural network-based quasilinear systems. European Physical Journal: Special Topics, 0, , 1.	2.6	2
113	Instability of solutions of impulsive systems of differential equations. International Journal of Theoretical Physics, 1996, 35, 1799-1804.	1.2	1
114	Recent Developments and Applications on Qualitative Theory of Fractional Equations and Related Topics. Abstract and Applied Analysis, 2015, 2015, 1-2.	0.7	1
115	Impulsive Biological Models. CMS Books in Mathematics, 2016, , 41-112.	0.8	1
116	On the Mittagâ€“Leffler Stability of Impulsive Fractional Solow-Type Models. International Journal of Nonlinear Sciences and Numerical Simulation, 2017, 18, 315-325.	1.0	1
117	Asymptotic equivalence of ordinary and impulsive operatorâ€“differential equations. Communications in Nonlinear Science and Numerical Simulation, 2019, 78, 104891.	3.3	1
118	Asymptotic Stability Criteria for a Class of Impulsive Functional Differential Systems. Applied Mathematics and Information Sciences, 2014, 8, 1475-1483.	0.5	1
119	On the conditional stability of impulsive functional differential equations. Applied Mathematics Research EXpress, 2006, , .	1.0	0
120	Uncertain Dynamical Systems 2014. Abstract and Applied Analysis, 2014, 2014, 1-2.	0.7	0
121	Basic Theory. CMS Books in Mathematics, 2016, , 11-40.	0.8	0
122	Impulsive Models in Population Dynamics. CMS Books in Mathematics, 2016, , 113-205.	0.8	0
123	Impulsive Models in Economics. CMS Books in Mathematics, 2016, , 271-297.	0.8	0
124	Novel trend of mixed Minkowski volumes applications. Applicable Analysis, 2020, 99, 717-724.	1.3	0
125	Computational Mathematics and Neural Systems. Mathematics, 2021, 9, 754.	2.2	0
126	Impulsive Fractional Differential Inclusions and Almost Periodic Waves. Mathematics, 2021, 9, 1413.	2.2	0