

Jan ÅŒermÃ¡k

List of Publications by Year in descending order

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26
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46
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docs citations

46
times ranked

382
citing authors

#	ARTICLE	IF	CITATIONS
1	On explicit stability conditions for a linear fractional difference system. <i>Fractional Calculus and Applied Analysis</i> , 2015, 18, 651-672.	1.2	152
2	Stability regions for fractional differential systems with a time delay. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 31, 108-123.	1.7	60
3	On (q -, h -)Analogue of Fractional Calculus. <i>Journal of Nonlinear Mathematical Physics</i> , 2010, 17, 51.	0.8	45
4	Fractional differential equations with a constant delay: Stability and asymptotics of solutions. <i>Applied Mathematics and Computation</i> , 2017, 298, 336-350.	1.4	36
5	Stability regions for linear fractional differential systems and their discretizations. <i>Applied Mathematics and Computation</i> , 2013, 219, 7012-7022.	1.4	35
6	Discrete Mittag-Leffler Functions in Linear Fractional Difference Equations. <i>Abstract and Applied Analysis</i> , 2011, 2011, 1-21.	0.3	32
7	Stability properties of two-term fractional differential equations. <i>Nonlinear Dynamics</i> , 2015, 80, 1673-1684.	2.7	31
8	The Routh-Hurwitz conditions of fractional type in stability analysis of the Lorenz dynamical system. <i>Nonlinear Dynamics</i> , 2017, 87, 939-954.	2.7	30
9	Stability switches in linear delay difference equations. <i>Applied Mathematics and Computation</i> , 2014, 243, 755-766.	1.4	25
10	Stability and chaos in the fractional Chen system. <i>Chaos, Solitons and Fractals</i> , 2019, 125, 24-33.	2.5	24
11	The Asymptotic Bounds of Solutions of Linear Delay Systems. <i>Journal of Mathematical Analysis and Applications</i> , 1998, 225, 373-388.	0.5	22
12	Stability and asymptotic properties of a linear fractional difference equation. <i>Advances in Difference Equations</i> , 2012, 2012, .	3.5	22
13	On necessary and sufficient conditions for the asymptotic stability of higher order linear difference equations. <i>Journal of Difference Equations and Applications</i> , 2012, 18, 1781-1800.	0.7	21
14	Exact and discretized stability of the Bagley-Torvik equation. <i>Journal of Computational and Applied Mathematics</i> , 2014, 269, 53-67.	1.1	21
15	Explicit stability conditions for a linear trinomial delay difference equation. <i>Applied Mathematics Letters</i> , 2015, 43, 56-60.	1.5	15
16	Asymptotic Stability Of Dynamic Equations With Two Fractional Terms: Continuous Versus Discrete Case. <i>Fractional Calculus and Applied Analysis</i> , 2015, 18, 437-458.	1.2	15
17	Stability conditions for linear delay difference equations: a survey and perspectives. <i>Tatra Mountains Mathematical Publications</i> , 2015, 63, 1-29.	0.1	13
18	Delay-dependent stability switches in fractional differential equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 79, 104888.	1.7	11

#	ARTICLE	IF	CITATIONS
19	Delay equations on time scales: Essentials and asymptotics of the solutions. Journal of Difference Equations and Applications, 2008, 14, 567-580.	0.7	10
20	On matrix differential equations with several unbounded delays. European Journal of Applied Mathematics, 2006, 17, 417-433.	1.4	9
21	On the asymptotics of solutions of delay dynamic equations on time scales. Mathematical and Computer Modelling, 2007, 46, 445-458.	2.0	9
22	On Delay-Dependent Stability Conditions for a Three-Term Linear Difference Equation. Funkcialaj Ekvacioj, 2014, 57, 91-106.	0.2	9
23	Local Bifurcations and Chaos in the Fractional Rössler System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850098.	0.7	9
24	On exact and discretized stability of a linear fractional delay differential equation. Applied Mathematics Letters, 2020, 105, 106296.	1.5	9
25	On a linear differential equation with a proportional delay. Mathematische Nachrichten, 2007, 280, 495-504.	0.4	8
26	The stability and asymptotic properties of the Å-methods for the pantograph equation. IMA Journal of Numerical Analysis, 2011, 31, 1533-1551.	1.5	8
27	On a problem of linearized stability for fractional difference equations. Nonlinear Dynamics, 2021, 104, 1253-1267.	2.7	7
28	Asymptotic Bounds for Linear Difference Systems. Advances in Difference Equations, 2010, 2010, 1-15.	3.5	5
29	On stability and stabilization of some discrete dynamical systems. Mathematical Methods in the Applied Sciences, 2018, 41, 3684-3695.	1.2	5
30	Asymptotic properties of differential equations with advanced argument. Czechoslovak Mathematical Journal, 2000, 50, 825-837.	0.3	4
31	The Asymptotic of Solutions for a Class of Delay Differential Equations. Rocky Mountain Journal of Mathematics, 2003, 33, 775.	0.2	4
32	Asymptotic Estimation for Some Nonlinear Delay Differential Equations. Results in Mathematics, 2008, 51, 201-213.	0.4	4
33	On stabilization of unstable steady states of autonomous ordinary differential equations via delayed feedback controls. Physica D: Nonlinear Phenomena, 2020, 404, 132339.	1.3	4
34	Exact versus discretized stability regions for a linear delay differential equation. Applied Mathematics and Computation, 2019, 347, 712-722.	1.4	3
35	Difference Equations in the Qualitative Theory of Delay Differential Equations. , 2004, , 391-398.		3
36	Boundedness and asymptotic properties of solutions of some linear and sublinear delay difference equations. Applied Mathematics Letters, 2012, 25, 813-817.	1.5	2

#	ARTICLE	IF	CITATIONS
37	Asymptotic Bounds for Linear Difference Systems. <i>Advances in Difference Equations</i> , 2010, 2010, 182696.	3.5	2
38	Linear differential equations with unbounded delays and a forcing term. <i>Abstract and Applied Analysis</i> , 2004, 2004, 337-345.	0.3	1
39	Delay-dependent stability criteria for neutral delay differential and difference equations. <i>Discrete and Continuous Dynamical Systems</i> , 2014, 34, 4577-4588.	0.5	1
40	On stability regions for some delay differential equations and their discretizations. <i>Periodica Mathematica Hungarica</i> , 2014, 68, 193-206.	0.5	1
41	Two types of stability conditions for linear delay difference equations. <i>Applicable Analysis and Discrete Mathematics</i> , 2015, 9, 120-138.	0.3	1
42	Stability and periodic investigations of linear planar difference systems. <i>Mathematical Methods in the Applied Sciences</i> , 2016, 39, 5343-5354.	1.2	1
43	The asymptotic behaviour of q-difference equations with multiple delays. <i>Tatra Mountains Mathematical Publications</i> , 2009, 43, 41-50.	0.1	0
44	Some qualitative properties of linear dynamic equations with multiple delays. <i>Advances in Difference Equations</i> , 2013, 2013, .	3.5	0
45	On stability of linear differential equations with commensurate delayed arguments. <i>Applied Mathematics Letters</i> , 2021, 125, 107750.	1.5	0