Pavel Rehak

List of Publications by Year
in descending order

56	705	566801	580395
papers	citations	15	25
		h-index	g-index

56	56	56	207
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Asymptotic Behavior of Solutions to Half-Linear q-Difference Equations. Abstract and Applied Analysis, 2011, 2011, 1-12.	0.3	90
2	Comparison theorems for linear dynamic equations on time scales. Journal of Mathematical Analysis and Applications, 2002, 275, 418-438.	0.5	61
3	Hardy inequality on time scales and its application to half-linear dynamic equations. Journal of Inequalities and Applications, 2005, 2005, 942973.	0.5	51
4	Oscillatory Properties of Second Order Half-Linear Difference Equations. Czechoslovak Mathematical Journal, 2001, 51, 303-321.	0.3	46
5	Nonoscillation criteria for half-linear second-order difference equations. Computers and Mathematics With Applications, 2001, 42, 453-464.	1.4	33
6	Hartman–Wintner Type Lemma, Oscillation, and Conjugacy Criteria for Half-Linear Difference Equations. Journal of Mathematical Analysis and Applications, 2000, 252, 813-827.	0.5	29
7	Regularly varying sequences and second order difference equations. Journal of Difference Equations and Applications, 2008, 14, 17-30.	0.7	27
8	A critical oscillation constant as a variable of time scales for half-linear dynamic equations. Mathematica Slovaca, 2010, 60, 237-256.	0.3	26
9	How the constants in Hille-Nehari theorems depend on time scales. Advances in Difference Equations, 2006, 2006, 1-16.	3.5	24
10	Oscillation criteria for second order half–linear difference equations. Journal of Difference Equations and Applications, 2001, 7, 483-505.	0.7	20
11	Generalized discrete Riccati equation and oscillation of half-linear difference equations. Mathematical and Computer Modelling, 2001, 34, 257-269.	2.0	20
12	Asymptotic formulae for solutions of linear second-order difference equations. Journal of Difference Equations and Applications, 2016, 22, 107-139.	0.7	20
13	Comparison Theorems and Strong Oscillation in the Half-Linear Discrete Oscillation Theory. Rocky Mountain Journal of Mathematics, 2003, 33, 333.	0.2	18
14	Oscillation constants for second-order nonlinear dynamic equations of Euler type on time scales. Journal of Difference Equations and Applications, 2017, 23, 1884-1900.	0.7	17
15	On certain comparison theorems for half-linear dynamic equations on time scales. Abstract and Applied Analysis, 2004, 2004, 551-565.	0.3	16
16	Asymptotic formulae for solutions of half-linear differential equations. Applied Mathematics and Computation, 2017, 292, 165-177.	1.4	15
17	Asymptotics of decreasing solutions of coupled $$p$$ -Laplacian systems in the framework of regular variation. Annali Di Matematica Pura Ed Applicata, 2014, 193, 837-858.	0.5	14
18	De Haan type increasing solutions of half-linear differential equations. Journal of Mathematical Analysis and Applications, 2014, 412, 236-243.	0.5	13

#	Article	IF	Citations
19	Recessive Solution of Half-linear Second Order Difference Equations. Journal of Difference Equations and Applications, 2003, 9, 49-61.	0.7	12
20	Asymptotic behavior of increasing solutions to a system of nonlinear differential equations. Nonlinear Analysis: Theory, Methods & Applications, 2013, 77, 45-58.	0.6	12
21	Comparison of nonlinearities in oscillation theory of half-linear differential equations. Acta Mathematica Hungarica, 2008, 121, 93-105.	0.3	10
22	Rapidly varying decreasing solutions of half-linear difference equations. Mathematical and Computer Modelling, 2009, 49, 1692-1699.	2.0	9
23	Regular variation on measure chains. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 439-448.	0.6	9
24	Extremal solutions to a system of n nonlinear differential equations and regularly varying functions. Mathematische Nachrichten, 2015, 288, 1413-1430.	0.4	9
25	An asymptotic analysis of nonoscillatory solutions of q -difference equations via q -regular variation. Journal of Mathematical Analysis and Applications, 2017, 454, 829-882.	0.5	9
26	The Karamata integration theorem on time scales and its applications in dynamic and difference equations. Applied Mathematics and Computation, 2018, 338, 487-506.	1.4	9
27	q-regular variation and q-difference equations. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 495203.	0.7	8
28	Oscillation of coupled nonlinear discrete systems. Journal of Mathematical Analysis and Applications, 2004, 295, 459-472.	0.5	7
29	Second order linear q-difference equations: Nonoscillation and asymptotics. Czechoslovak Mathematical Journal, 2011, 61, 1107-1134.	0.3	7
30	Regularly Varying Solutions of Second-Order Difference Equations with Arbitrary Sign Coefficient. Advances in Difference Equations, 2010, 2010, 673761.	3.5	7
31	Half-linear discrete oscillation theory. , 0, , .		6
32	Boundary value problems for functional difference equations on infinite intervals. Advances in Difference Equations, 2006, 2006, 1-15.	3.5	5
33	Refined discrete regular variation and its applications. Mathematical Methods in the Applied Sciences, 2019, 42, 6009-6020.	1.2	5
34	On decreasing solutions of second order nearly linear differential equations. Boundary Value Problems, 2014, 2014, .	0.3	4
35	Nonlinear PoincarÃ©â€"Perron theorem. Applied Mathematics Letters, 2021, 121, 107425.	1.5	4
36	q-Karamata functions and second order q-difference equations. Electronic Journal of Qualitative Theory of Differential Equations, 2011, , 1-20.	0.2	4

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37	Recessive Solution of Half-linear Second Order Difference Equations. Journal of Difference Equations and Applications, 2003, 9, 49-61.	0.7	2
38	Nonoscillatory solutions of a second-order nonlinear discrete system. Applied Mathematics and Computation, 2007, 190, 833-845.	1.4	2
39	On a certain asymptotic class of solutions to second-order linear q-difference equations. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 055202.	0.7	2
40	Exponential estimates for solutions of half-linear differential equations. Acta Mathematica Hungarica, 2015, 147, 158-171.	0.3	2
41	A few remarks on Poincaré-Perron solutions and regularly varying solutions. Mathematica Slovaca, 2016, 66, 1297-1318.	0.3	2
42	On asymptotic relationships between two higher order dynamic equations on time scales. Applied Mathematics Letters, 2017, 73, 84-90.	1.5	2
43	Applications of iterated logarithm functions on time scales to Riemann–Weber-type equations. Proceedings of the American Mathematical Society, 2020, 148, 1611-1624.	0.4	2
44	ASYMPTOTIC BOUNDARY VALUE PROBLEMS FOR DISCRETE SYSTEMS. , 2007, , .		2
45	Regularly Varying Decreasing Solutions of Half-Linear Dynamic Equations. , 2010, , .		2
46	Strongly Decaying Solutions of Nonlinear Forced Discrete Systems. , 2004, , 493-500.		2
47	Bounded solutions and wavefronts for discrete dynamics. Computers and Mathematics With Applications, 2004, 47, 1079-1094.	1.4	1
48	Nonoscillation of half-linear dynamic equations. Computers and Mathematics With Applications, 2010, 60, 1421-1429.	1.4	1
49	Regularly Varying Solutions of Second-Order Difference Equations with Arbitrary Sign Coefficient. Advances in Difference Equations, 2010, 2010, 1-16.	3.5	1
50	Peculiarities in power type comparison results for half-linear dynamic equations. Rocky Mountain Journal of Mathematics, 2012, 42, .	0.2	1
51	Kummer test and regular variation. Monatshefte Fur Mathematik, 2020, 192, 419-426.	0.5	1
52	Asymptotics of perturbed discrete Euler equations in the critical case. Journal of Mathematical Analysis and Applications, 2021, 496, 124825.	0.5	1
53	INTEGRAL COMPARISON THEOREMS FOR SECOND ORDER LINEAR DYNAMIC EQUATIONS. , 2007, , .		1
54	A Note on Transformations of Independent Variable in Second Order Dynamic Equations. Springer Proceedings in Mathematics and Statistics, 2020, , 335-353.	0.1	1

#	Article	IF	Citations
55	Decaying positive global solutions of second order difference equations with mean curvature operator. Electronic Journal of Qualitative Theory of Differential Equations, 2020, , 1-16.	0.2	1
56	zz lL. , 2000, , 240-240.		0