Pavel Rehak

List of Publications by Year
in descending order

56 papers	705 citations	566801 15 h-index	580395 25 g-index
56 all docs	56 docs citations	56 times ranked	207 citing authors

#	Article	IF	Citations
1	Asymptotics of perturbed discrete Euler equations in the critical case. Journal of Mathematical Analysis and Applications, 2021, 496, 124825.	0.5	1
2	Nonlinear Poincaré–Perron theorem. Applied Mathematics Letters, 2021, 121, 107425.	1.5	4
3	Kummer test and regular variation. Monatshefte Fur Mathematik, 2020, 192, 419-426.	0.5	1
4	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
5	A Note on Transformations of Independent Variable in Second Order Dynamic Equations. Springer Proceedings in Mathematics and Statistics, 2020, , 335-353.	0.1	1
6	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
7	Refined discrete regular variation and its applications. Mathematical Methods in the Applied Sciences, 2019, 42, 6009-6020.	1.2	5
8	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
9	On asymptotic relationships between two higher order dynamic equations on time scales. Applied Mathematics Letters, 2017, 73, 84-90.	1.5	2
10	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
11	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
12	Asymptotic formulae for solutions of half-linear differential equations. Applied Mathematics and Computation, 2017, 292, 165-177.	1.4	15
13	A few remarks on Poincaré-Perron solutions and regularly varying solutions. Mathematica Slovaca, 2016, 66, 1297-1318.	0.3	2
14	Asymptotic formulae for solutions of linear second-order difference equations. Journal of Difference Equations and Applications, 2016, 22, 107-139.	0.7	20
15	Exponential estimates for solutions of half-linear differential equations. Acta Mathematica Hungarica, 2015, 147, 158-171.	0.3	2
16	Extremal solutions to a system of n nonlinear differential equations and regularly varying functions. Mathematische Nachrichten, 2015, 288, 1413-1430.	0.4	9
17	De Haan type increasing solutions of half-linear differential equations. Journal of Mathematical Analysis and Applications, 2014, 412, 236-243.	0.5	13
18	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

#	Article	IF	Citations
19	On decreasing solutions of second order nearly linear differential equations. Boundary Value Problems, 2014, 2014, .	0.3	4
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	Peculiarities in power type comparison results for half-linear dynamic equations. Rocky Mountain Journal of Mathematics, 2012, 42, .	0.2	1
22	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
23	Second order linear q-difference equations: Nonoscillation and asymptotics. Czechoslovak Mathematical Journal, 2011, 61, 1107-1134.	0.3	7
24	Asymptotic Behavior of Solutions to Half-Linear q-Difference Equations. Abstract and Applied Analysis, 2011, 2011, 1-12.	0.3	90
25	q-Karamata functions and second order q-difference equations. Electronic Journal of Qualitative Theory of Differential Equations, 2011, , 1-20.	0.2	4
26	A critical oscillation constant as a variable of time scales for half-linear dynamic equations. Mathematica Slovaca, 2010, 60, 237-256.	0.3	26
27	Regular variation on measure chains. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 439-448.	0.6	9
28	Nonoscillation of half-linear dynamic equations. Computers and Mathematics With Applications, 2010, 60, 1421-1429.	1.4	1
29	Regularly Varying Solutions of Second-Order Difference Equations with Arbitrary Sign Coefficient. Advances in Difference Equations, 2010, 2010, 1-16.	3.5	1
30	Regularly Varying Decreasing Solutions of Half-Linear Dynamic Equations. , 2010, , .		2
31	Regularly Varying Solutions of Second-Order Difference Equations with Arbitrary Sign Coefficient. Advances in Difference Equations, 2010, 2010, 673761.	3.5	7
32	Rapidly varying decreasing solutions of half-linear difference equations. Mathematical and Computer Modelling, 2009, 49, 1692-1699.	2.0	9
33	Comparison of nonlinearities in oscillation theory of half-linear differential equations. Acta Mathematica Hungarica, 2008, 121, 93-105.	0.3	10
34	q-regular variation and q-difference equations. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 495203.	0.7	8
35	Regularly varying sequences and second order difference equations. Journal of Difference Equations and Applications, 2008, 14, 17-30.	0.7	27
36	Nonoscillatory solutions of a second-order nonlinear discrete system. Applied Mathematics and Computation, 2007, 190, 833-845.	1.4	2

#	Article	IF	Citations
37	ASYMPTOTIC BOUNDARY VALUE PROBLEMS FOR DISCRETE SYSTEMS. , 2007, , .		2
38	INTEGRAL COMPARISON THEOREMS FOR SECOND ORDER LINEAR DYNAMIC EQUATIONS. , 2007, , .		1
39	Boundary value problems for functional difference equations on infinite intervals. Advances in Difference Equations, 2006, 2006, 1-15.	3.5	5
40	How the constants in Hille-Nehari theorems depend on time scales. Advances in Difference Equations, 2006, 2006, 1-16.	3.5	24
41	Hardy inequality on time scales and its application to half-linear dynamic equations. Journal of Inequalities and Applications, 2005, 2005, 942973.	0.5	51
42	On certain comparison theorems for half-linear dynamic equations on time scales. Abstract and Applied Analysis, 2004, 2004, 551-565.	0.3	16
43	Bounded solutions and wavefronts for discrete dynamics. Computers and Mathematics With Applications, 2004, 47, 1079-1094.	1.4	1
44	Oscillation of coupled nonlinear discrete systems. Journal of Mathematical Analysis and Applications, 2004, 295, 459-472.	0.5	7
45	Strongly Decaying Solutions of Nonlinear Forced Discrete Systems. , 2004, , 493-500.		2
46	Recessive Solution of Half-linear Second Order Difference Equations. Journal of Difference Equations and Applications, 2003, 9, 49-61.	0.7	2
47	Recessive Solution of Half-linear Second Order Difference Equations. Journal of Difference Equations and Applications, 2003, 9, 49-61.	0.7	12
48	Comparison Theorems and Strong Oscillation in the Half-Linear Discrete Oscillation Theory. Rocky Mountain Journal of Mathematics, 2003, 33, 333.	0.2	18
49	Comparison theorems for linear dynamic equations on time scales. Journal of Mathematical Analysis and Applications, 2002, 275, 418-438.	0.5	61
50	Oscillation criteria for second order halfâ€"linear difference equations. Journal of Difference Equations and Applications, 2001, 7, 483-505.	0.7	20
51	Generalized discrete Riccati equation and oscillation of half-linear difference equations. Mathematical and Computer Modelling, 2001, 34, 257-269.	2.0	20
52	Nonoscillation criteria for half-linear second-order difference equations. Computers and Mathematics With Applications, 2001, 42, 453-464.	1.4	33
53	Oscillatory Properties of Second Order Half-Linear Difference Equations. Czechoslovak Mathematical Journal, 2001, 51, 303-321.	0.3	46
54	Hartmanâ€"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

#	Article	IF	Citations
55	zz IL. , 2000, , 240-240.		0
56	Half-linear discrete oscillation theory. , 0, , .		6