

Sui Sun Cheng

List of Publications by Year in descending order

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papers

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623574

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580701

25
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70
all docs

70
docs citations

70
times ranked

212
citing authors

#	ARTICLE	IF	CITATIONS
1	An existence theorem for a nonlinear difference equation. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1993, 20, 193-203.	0.6	90
2	A priori bounds for periodic solutions of a delay Rayleigh equation. <i>Applied Mathematics Letters</i> , 1999, 12, 41-44.	1.5	70
3	Monotone methods for a discrete boundary problem. <i>Computers and Mathematics With Applications</i> , 1996, 32, 41-49.	1.4	60
4	Oscillation of a class of delay partial difference equations. <i>Journal of Difference Equations and Applications</i> , 1995, 1, 215-226.	0.7	48
5	Existence of solutions for a nonlinear system with a parameter. <i>Journal of Mathematical Analysis and Applications</i> , 2006, 314, 311-319.	0.5	39
6	Positive periodic solutions of nonautonomous functional differential equations depending on a parameter. <i>Abstract and Applied Analysis</i> , 2002, 7, 279-286.	0.3	36
7	“Virus” in several discrete oscillation theorems. <i>Applied Mathematics Letters</i> , 2000, 13, 9-13.	1.5	26
8	QUALITATIVE THEORY OF PARTIAL DIFFERENCE EQUATIONS (I): OSCILLATION OF NONLINEAR PARTIAL DIFFERENCE EQUATIONS. <i>Tamkang Journal of Mathematics</i> , 1994, 25, 279-288.	0.3	23
9	Smooth solutions of a nonhomogeneous iterative functional differential equation. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 1998, 128, 821-831.	0.8	20
10	Limiting behaviours of non-oscillatory solutions of a pair of coupled nonlinear differential equations. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2000, 43, 457-473.	0.2	19
11	Monotone solutions of a class of nonlinear difference equations. <i>Computers and Mathematics With Applications</i> , 1994, 28, 71-79.	1.4	17
12	Measures for oscillatory sequences. <i>Computers and Mathematics With Applications</i> , 1998, 36, 149-161.	1.4	17
13	On a class of nonlinear difference equations. <i>Journal of Difference Equations and Applications</i> , 1995, 1, 391-411.	0.7	14
14	Explicit eigenvalues and inverses of several Toeplitz matrices. <i>ANZIAM Journal</i> , 2006, 48, 73-97.	0.3	14
15	Quasi-uniformly asymptotic stability and existence of almost periodic solutions of difference equations with applications in population dynamic systems This work was supported by the National natural science foundation of China under grant (No.10671127) and Shanghai outstanding discipline leader project (No. 06XD14034) and Shanghai municipal education commission No. 06DZ002.. <i>Journal of Difference Equations and Applications</i> , 2008, 14, 59-81.	0.7	14
16	POSITIVE PERIODIC SOLUTIONS OF COUPLED DELAY DIFFERENTIAL SYSTEMS DEPENDING ON TWO PARAMETERS. <i>Taiwanese Journal of Mathematics</i> , 2004, 8, 639.	0.2	11
17	Asymptotic Dichotomy in a Class of Fourth-Order Nonlinear Delay Differential Equations with Damping. <i>Abstract and Applied Analysis</i> , 2009, 2009, 1-7.	0.3	11
18	Stability of a time discrete perturbed dynamical system with delay. <i>Discrete Dynamics in Nature and Society</i> , 1999, 3, 57-63.	0.5	9

#	ARTICLE	IF	CITATIONS
19	A classification scheme for nonoscillatory solutions of a higher order neutral nonlinear difference equation. <i>Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics</i> , 1999, 67, 122-142.	0.3	9
20	An Existence Theorem for Iterative Functional Differential Equations. <i>Acta Mathematica Hungarica</i> , 2002, 94, 1-17.	0.3	9
21	Sturmian theorems for hyperbolic type partial difference equations. <i>Journal of Difference Equations and Applications</i> , 1996, 2, 375-387.	0.7	8
22	Analytic solutions of an iterative functional equation. <i>Aequationes Mathematicae</i> , 2004, 68, 21-27.	0.4	8
23	Classification schemes for positive solutions of a second-order nonlinear difference equation. <i>Journal of Computational and Applied Mathematics</i> , 1999, 101, 39-51.	1.1	7
24	Periodic solutions of a second order forced sublinear differential equation with delay. <i>Applied Mathematics Letters</i> , 2005, 18, 1373-1380.	1.5	7
25	Unsaturated solutions for partial difference equations with forcing terms. <i>Central European Journal of Mathematics</i> , 2006, 4, 656-668.	0.7	7
26	3-periodic traveling wave solutions for a dynamical coupled map lattice. <i>Nonlinear Dynamics</i> , 2007, 50, 235-247.	2.7	7
27	Elementary variational approach to zero-free solutions of a nonlinear eigenvalue problem. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2008, 69, 3030-3041.	0.6	7
28	Periodic solutions of a perturbed difference equation. <i>Applicable Analysis</i> , 2000, 76, 134-149.	0.6	6
29	ON THE OSCILLATION OF SELF-ADJOINT MATRIX HAMILTONIAN SYSTEMS. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2003, 46, 609-625.	0.2	6
30	Frequent oscillation in a nonlinear partial difference equation. <i>Central European Journal of Mathematics</i> , 2007, 5, 607-618.	0.7	6
31	Complete set of periodic solutions of a discontinuous recurrence equation. <i>Journal of Difference Equations and Applications</i> , 2012, 18, 1133-1162.	0.7	6
32	Existence of Monotone Positive Solution of Neutral Partial Difference Equation. <i>Journal of Mathematical Analysis and Applications</i> , 2000, 247, 384-396.	0.5	5
33	Positive Solutions of a Neutral Difference Equation with Positive and Negative Coefficients. <i>Georgian Mathematical Journal</i> , 2004, 11, 177-185.	0.2	5
34	Positive periodic solutions for a nonlinear difference system via a continuation theorem. <i>Bulletin of the Brazilian Mathematical Society</i> , 2005, 36, 319-332.	0.3	5
35	Existence and Uniqueness of Periodic Solutions for a Second-Order Nonlinear Differential Equation with Piecewise Constant Argument. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2009, 2009, 1-14.	0.3	5
36	Existence and localization theorems for a discrete nonlinear eigenvalue problem. <i>Mathematical and Computer Modelling</i> , 2001, 34, 623-640.	2.0	4

#	ARTICLE	IF	CITATIONS
37	Even periodic solutions of higher order duffing differential equations. Czechoslovak Mathematical Journal, 2007, 57, 331-343.	0.3	4
38	Eventually Periodic Solutions for Difference Equations with Periodic Coefficients and Nonlinear Control Functions. Discrete Dynamics in Nature and Society, 2008, 2008, 1-21.	0.5	4
39	Existence and Uniqueness of Periodic Solutions of Mixed Monotone Functional Differential Equations. Abstract and Applied Analysis, 2009, 2009, 1-13.	0.3	4
40	Periodic travelling waves in an artificial neural network. Journal of Difference Equations and Applications, 2009, 15, 963-999.	0.7	4
41	6-Periodic travelling waves in an artificial neural network with bang-bang control. Journal of Difference Equations and Applications, 2012, 18, 261-304.	0.7	4
42	Periodic solutions of a bang-bang recurrence equation with least periods 1 through 8. Journal of Difference Equations and Applications, 2012, 18, 195-221.	0.7	4
43	COMPLETE PERIODICITY ANALYSIS FOR A DISCONTINUOUS RECURRENCE EQUATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1330012.	0.7	4
44	Existence of triple positive periodic solutions of a functional differential equation depending on a parameter. Abstract and Applied Analysis, 2004, 2004, 897-905.	0.3	3
45	Complete periodic behaviours of real and complex bang-bang dynamical systems. Journal of Difference Equations and Applications, 2014, 20, 765-810.	0.7	3
46	Abundant periodic and aperiodic solutions of a discontinuous three-term recurrence relation. Journal of Difference Equations and Applications, 2019, 25, 1082-1106.	0.7	3
47	Exact Solutions of Iterative Functional Differential Equations. Computing (Vienna/New York), 2006, 76, 67-76.	3.2	2
48	Exact stability regions for quartic polynomials. Bulletin of the Brazilian Mathematical Society, 2007, 38, 21-38.	0.3	2
49	Periodic solutions of generalized Liénard equations with a p-Laplacian-like operator*. Bulletin of the Brazilian Mathematical Society, 2008, 39, 21-43.	0.3	2
50	Bifurcation in Deterministic Discrete Dynamical Systems: Advances in Theory and Applications. Discrete Dynamics in Nature and Society, 2015, 2015, 1-2.	0.5	2
51	Exact regions of oscillation for a neutral difference equations with five parameters. Journal of Difference Equations and Applications, 2000, 6, 513-534.	0.7	1
52	Existence criteria and classification schemes for positive solutions of second-order nonlinear difference systems. Discrete Dynamics in Nature and Society, 2006, 2006, 1-15.	0.5	1
53	Positive solutions of a Lidstone boundary value problem with variable coefficient function. Journal of Applied Mathematics and Computing, 2008, 27, 411-419.	1.2	1
54	NECESSARY AND SUFFICIENT CONDITIONS FOR FREQUENT CAUCHY SEQUENCES. Asian-European Journal of Mathematics, 2009, 02, 295-305.	0.2	1

#	ARTICLE	IF	CITATIONS
55	Existence of positive, negative and sign-changing periodic solutions for a class of integral equations. Journal of Computational and Applied Mathematics, 2010, 234, 518-525.	1.1	1
56	Asymptotic Dichotomy in a Class of Third-Order Nonlinear Differential Equations with Impulses. Abstract and Applied Analysis, 2010, 2010, 1-20.	0.3	1
57	BIFURCATION IN A NONLINEAR DYNAMICAL SYSTEM ARISING FROM SEEKING STEADY STATES OF A NEURAL NETWORK. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 2585-2588.	0.7	1
58	Schur stability regions for complex quadratic polynomials. International Journal of Mathematical Education in Science and Technology, 2010, 41, 950-964.	0.8	1
59	Complete Asymptotic Analysis of a Two-Nation Arms Race Model with Piecewise Constant Nonlinearities. Discrete Dynamics in Nature and Society, 2012, 2012, 1-17.	0.5	1
60	Limit 2-Cycles for a Discrete-Time Bang-Bang Control Model. Discrete Dynamics in Nature and Society, 2012, 2012, 1-10.	0.5	1
61	BIFURCATION ANALYSIS FOR A NONLINEAR RECURRENCE RELATION WITH THRESHOLD CONTROL AND PERIODIC COEFFICIENTS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250055.	0.7	1
62	Explicit periodic travelling waves for a discrete reaction-diffusion system. Journal of Difference Equations and Applications, 2014, 20, 1289-1306.	0.7	1
63	Bifurcation Analysis for Nonlinear Recurrence Relations with Threshold Control and μ -Periodic Coefficients. Discrete Dynamics in Nature and Society, 2015, 2015, 1-13.	0.5	1
64	Nonnegative Periodic Solutions of a Three-Term Recurrence Relation Depending on Two Real Parameters. Discrete Dynamics in Nature and Society, 2017, 2017, 1-21.	0.5	1
65	Open problems and conjectures, optimal rearrangement problems related to discrete loaded strings. Journal of Difference Equations and Applications, 2000, 6, 775-777.	0.7	0
66	Asymptotic behavior of the solutions of a discrete reaction-diffusion equation. International Journal of Mathematics and Mathematical Sciences, 2002, 29, 257-264.	0.3	0
67	A remark on multiple solutions for a nonlinear eigenvalue problem. Portugaliae Mathematica, 2008, 65, 497-507.	0.4	0
68	Attractive Cycles of an Artificial Neural Network. , 2010, , .		0
69	Variational approach to positive and negative steady state solutions of a circular neural network. Journal of Difference Equations and Applications, 2012, 18, 185-194.	0.7	0
70	Monotone Solutions of A Higher Order Neutral Difference Equation. Georgian Mathematical Journal, 1998, 5, 49-54.	0.2	0