Sui Sun Cheng

List of Publications by Year
in descending order

70	714	623574	580701
papers	citations	14 h-index	25 g-index

70	70	70	212
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Bifurcation Analysis for Nonlinear Recurrence Relations with Threshold Control and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mn>2</mml:mn><mml:mi>k</mml:mi></mml:math>-Periodic Coefficients. Discrete Dynamics in Nature and Society, 2015, 2015, 1-13.	0.5	1
4	Bifurcation in Deterministic Discrete Dynamical Systems: Advances in Theory and Applications. Discrete Dynamics in Nature and Society, 2015, 2015, 1-2.	0.5	2
5	Complete periodic behaviours of real and complex bang bang dynamical systems. Journal of Difference Equations and Applications, 2014, 20, 765-810.	0.7	3
6	Explicit periodic travelling waves for a discrete lambdaâ€“omega reactionâ€“diffusion system. Journal of Difference Equations and Applications, 2014, 20, 1289-1306.	0.7	1
7	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
8	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
9	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
10	Complete set of periodic solutions of a discontinuous recurrence equation. Journal of Difference Equations and Applications, 2012, 18, 1133-1162.	0.7	6
11	6-Periodic travelling waves in an artificial neural network with bangâ€“bang control. Journal of Difference Equations and Applications, 2012, 18, 261-304.	0.7	4
12	Limit 2-Cycles for a Discrete-Time Bang-Bang Control Model. Discrete Dynamics in Nature and Society, 2012, 2012, 1-10.	0.5	1
13	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
14	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
15	Attractive Cycles of an Artificial Neural Network. , 2010, , .		0
16	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
17	Asymptotic Dichotomy in a Class of Third-Order Nonlinear Differential Equations with Impulses. Abstract and Applied Analysis, 2010, 2010, 1-20.	0.3	1
18	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

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19	Schur stability regions for complex quadratic polynomials. International Journal of Mathematical Education in Science and Technology, 2010, 41, 950-964.	0.8	1
20	NECESSARY AND SUFFICIENT CONDITIONS FOR FREQUENT CAUCHY SEQUENCES. Asian-European Journal of Mathematics, 2009, 02, 295-305.	0.2	1
21	Existence and Uniqueness of Periodic Solutions of Mixed Monotone Functional Differential Equations. Abstract and Applied Analysis, 2009, 2009, 1-13.	0.3	4
22	Existence and Uniqueness of Periodic Solutions for a Second-Order Nonlinear Differential Equation with Piecewise Constant Argument. International Journal of Mathematics and Mathematical Sciences, 2009, 2009, 1-14.	0.3	5
23	Periodic travelling waves in an artificial neural network. Journal of Difference Equations and Applications, 2009, 15, 963-999.	0.7	4
24	Asymptotic Dichotomy in a Class of Fourth-Order Nonlinear Delay Differential Equations with Damping. Abstract and Applied Analysis, 2009, 2009, 1-7.	0.3	11
25	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
26	Periodic solutions of generalized LiÃ©nard equations with a p-Laplacian-like operator*. Bulletin of the Brazilian Mathematical Society, 2008, 39, 21-43.	0.3	2
27	Elementary variational approach to zero-free solutions of a nonlinear eigenvalue problem. Nonlinear Analysis: Theory, Methods & Applications, 2008, 69, 3030-3041.	0.6	7
28	Quasi-uniformly asymptotic stability and existence of almost periodic solutions of difference equations with applications in population dynamic systemsThis 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.. Journal of Difference Equations and Applications, 2008, 14, 59-81.	0.7	14
29	A remark on multiple solutions for a nonlinear eigenvalue problem. Portugaliae Mathematica, 2008, 65, 497-507.	0.4	0
30	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
31	Frequent oscillation in a nonlinear partial difference equation. Central European Journal of Mathematics, 2007, 5, 607-618.	0.7	6
32	3-periodic traveling wave solutions for a dynamical coupled map lattice. Nonlinear Dynamics, 2007, 50, 235-247.	2.7	7
33	Even periodic solutions of higher order duffing differential equations. Czechoslovak Mathematical Journal, 2007, 57, 331-343.	0.3	4
34	Exact stability regions for quartic polynomials. Bulletin of the Brazilian Mathematical Society, 2007, 38, 21-38.	0.3	2
35	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
36	Unsaturated solutions for partial difference equations with forcing terms. Central European Journal of Mathematics, 2006, 4, 656-668.	0.7	7

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37	Exact Solutions of Iterative Functional Differential Equations. Computing (Vienna/New York), 2006, 76, 67-76.	3.2	2
38	Existence of solutions for a nonlinear system with a parameter. Journal of Mathematical Analysis and Applications, 2006, 314, 311-319.	0.5	39
39	Explicit eigenvalues and inverses of several Toeplitz matrices. ANZIAM Journal, 2006, 48, 73-97.	0.3	14
40	Periodic solutions of a second order forced sublinear differential equation with delay. Applied Mathematics Letters, 2005, 18, 1373-1380.	1.5	7
41	Positive periodic solutions for a nonlinear difference system via a continution theorem. Bulletin of the Brazilian Mathematical Society, 2005, 36, 319-332.	0.3	5
42	POSITIVE PERIODIC SOLUTIONS OF COUPLED DELAY DIFFERENTIAL SYSTEMS DEPENDING ON TWO PARAMETERS. Taiwanese Journal of Mathematics, 2004, 8, 639.	0.2	11
43	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
44	Analytic solutions of an iterative functional equation. Aequationes Mathematicae, 2004, 68, 21-27.	0.4	8
45	Positive Solutions of a Neutral Difference Equation with Positive and Negative Coefficients. Georgian Mathematical Journal, 2004, 11, 177-185.	0.2	5
46	ON THE OSCILLATION OF SELF-ADJOINT MATRIX HAMILTONIAN SYSTEMS. Proceedings of the Edinburgh Mathematical Society, 2003, 46, 609-625.	0.2	6
47	Positive periodic solutions of nonautonomous functional differential equations depending on a parameter. Abstract and Applied Analysis, 2002, 7, 279-286.	0.3	36
48	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
49	An Existence Theorem for Iterative Functional Differential Equations. Acta Mathematica Hungarica, 2002, 94, 1-17.	0.3	9
50	Existence and localization theorems for a discrete nonlinear eigenvalue problem. Mathematical and Computer Modelling, 2001, 34, 623-640.	2.0	4
51	Periodic solutions of a perturbed difference equation. Applicable Analysis, 2000, 76, 134-149.	0.6	6
52	Existence of Monotone Positive Solution of Neutral Partial Difference Equation. Journal of Mathematical Analysis and Applications, 2000, 247, 384-396.	0.5	5
53	â€œVirusâ€•in several discrete oscillation theorems. Applied Mathematics Letters, 2000, 13, 9-13.	1.5	26
54	Limiting behaviours of non-oscillatory solutions of a pair of coupled nonlinear differential equations. Proceedings of the Edinburgh Mathematical Society, 2000, 43, 457-473.	0.2	19

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55	Exact regions of oscillation for a neutral difference equations with five patameters. Journal of Difference Equations and Applications, 2000, 6, 513-534.	0.7	1
56	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
57	Stability of a time discrete perturbed dynamical system with delay. Discrete Dynamics in Nature and Society, 1999, 3, 57-63.	0.5	9
58	A classification scheme for nonoscilatory solutions of a higher order neutral nonlinear difference equation. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 1999, 67, 122-142.	0.3	9
59	Classification schemes for positive solutions of a second-order nonlinear difference equation. Journal of Computational and Applied Mathematics, 1999, 101, 39-51.	1.1	7
60	A priori bounds for periodic solutions of a delay Rayleigh equation. Applied Mathematics Letters, 1999, 12, 41-44.	1.5	70
61	Measures for oscillatory sequences. Computers and Mathematics With Applications, 1998, 36, 149-161.	1.4	17
62	Smooth solutions of a nonhomogeneous iterative functional differential equation. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1998, 128, 821-831.	0.8	20
63	Monotone Solutions of A Higher Order Neutral Difference Equation. Georgian Mathematical Journal, 1998, 5, 49-54.	0.2	0
64	Monotone methods for a discrete boundary problem. Computers and Mathematics With Applications, 1996, 32, 41-49.	1.4	60
65	Sturmian theorems for hyperbolic type partial difference equations. Journal of Difference Equations and Applications, 1996, 2, 375-387.	0.7	8
66	On a class of nonlinear difference equations. Journal of Difference Equations and Applications, 1995, 1, 391-411.	0.7	14
67	Oscillation of a class of delay partial difference equations. Journal of Difference Equations and Applications, 1995, 1, 215-226.	0.7	48
68	Monotone solutions of a class of nonlinear difference equations. Computers and Mathematics With Applications, 1994, 28, 71-79.	1.4	17
69	QUALITATIVE THEORY OF PARTIAL DIFFERENCE EQUATIONS (I): OSCILLATION OF NONLINEAR PARTIAL DIFFERENCE EQUATIONS. Tamkang Journal of Mathematics, 1994, 25, 279-288.	0.3	23
70	An existence theorem for a nonlinear difference equation. Nonlinear Analysis: Theory, Methods & Applications, 1993, 20, 193-203.	0.6	90