Soon-Yeong Chung

List of Publications by Year
in descending order

95	613	567144 15	677027 22
papers	citations	h-index	g-index

97	97	97	157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A necessary and sufficient condition for the existence of global solutions to discrete semilinear parabolic equations on networks. Chaos, Solitons and Fractals, 2022, 158, 112055.	2.5	2
2	Blow-up conditions of nonlinear parabolic equations and systems under mixed nonlinear boundary conditions. Boundary Value Problems, 2022, 2022, .	0.3	0
3	A complete characterization of Fujita's blow-up solutions for discrete p-Laplacian parabolic equations under the mixed boundary conditions on networks. Journal of Mathematical Analysis and Applications, 2021, 497, 124859.	0.5	2
4	New blowâ€up conditions to p â€Laplace type nonlinear parabolic equations under nonlinear boundary conditions. Mathematical Methods in the Applied Sciences, 2021, 44, 6086-6100.	1.2	0
5	Blowâ€up solutions to nonlinear parabolic equations with nonâ€autonomous reactions under the mixed boundary conditions. Mathematical Methods in the Applied Sciences, 2021, 44, 5560-5573.	1.2	1
6	On the critical set for discrete Laplacian parabolic equations with polynomial-type reactions. Journal of Difference Equations and Applications, 2020, 26, 779-801.	0.7	0
7	Fujita-Type Blow-Up for Discrete Reactionâ€“Diffusion Equations on Networks. Publications of the Research Institute for Mathematical Sciences, 2019, 55, 235-258.	0.4	3
8	A complete characterization of the discrete p-Laplacian parabolic equations with q-nonlocal reaction with respect to the blow-up property. Journal of Mathematical Analysis and Applications, 2019, 473, 1447-1473.	0.5	3
9	On the critical set for Fujita type blow-up of solutions to the discrete Laplacian parabolic equations with nonlinear source on networks. Computers and Mathematics With Applications, 2019, 78, 1838-1850.	1.4	4
10	The discrete p-SchrÃ¶dinger equations under the mixed boundary conditions on networks. Physica D: Nonlinear Phenomena, 2019, 395, 43-59.	1.3	4
11	A condition for blow-up solutions to discrete p-Laplacian parabolic equations under the mixed boundary conditions on networks. Boundary Value Problems, 2019, 2019, .	0.3	0
12	An application of FDM by Gibou to a numerical blow-up for nonlinear evolution equations on a domain $Omega subset mathbb{R}^N$. Communications in Mathematical Sciences, 2019, 17, 1149-1165.	0.5	0
13	Dichotomy of solutions to discretep-Laplace equations andp-Laplace parabolic equations. Computers and Mathematics With Applications, 2018, 75, 2915-2924.	1.4	0
14	A new condition for the concavity method of blow-up solutions to p-Laplacian parabolic equations. Journal of Differential Equations, 2018, 265, 6384-6399.	1.1	18
15	A complete characterization of extinction versus positivity of solutions to a parabolic problem of p -Laplacian type in graphs. Journal of Mathematical Analysis and Applications, 2017, 452, 226-245.	0.5	4
16	A new condition for blow-up solutions to discrete semilinear heat equations on networks. Computers and Mathematics With Applications, 2017, 74, 2929-2939.	1.4	12
17	ON THE REAL-VALUED GENERAL SOLUTIONS OF THE Dâ€™ALEMBERT EQUATION WITH INVOLUTION. Bulletin of the Australian Mathematical Society, 2017, 95, 260-268.	0.3	0
18	A complete characterization of nonlinear absorption for the evolution p-Laplacian equations to have positive or extinctive solutions. Computers and Mathematics With Applications, 2016, 71, 1624-1635.	1.4	2

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19	DISCRETE EVOLUTION EQUATIONS ON NETWORKS AND A UNIQUE IDENTIFIABILITY OF THEIR WEIGHTS. Journal of the Korean Mathematical Society, 2016, 53, 1133-1148.	0.4	0
20	Ulam Problem for the Cosine Addition Formula in Sato Hyperfunctions. Journal of Function Spaces, 2015, 2015, 1-10.	0.4	0
21	Extinction and positivity for the evolution p-Laplacian equations with absorption on networks. Computers and Mathematics With Applications, 2015, 69, 223-234.	1.4	2
22	Blow-up for discrete reaction-diffusion equations on networks. Applicable Analysis and Discrete Mathematics, 2015, 9, 103-119.	0.3	7
23	MULTIPLE SOLUTIONS TO DISCRETE BOUNDARY VALUE PROBLEMS FOR THE p-LAPLACIAN WITH POTENTIAL TERMS ON FINITE GRAPHS. Bulletin of the Korean Mathematical Society, 2015, 52, 1517-1533.	0.3	3
24	Blow-Up Solutions and Global Solutions to Discrete<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>p</mml:mi></mml:mrow></mml:math>-Laplacian Parabolic Equations. Abstract and Applied Analysis, 2014, 2014, 1-11.	0.3	2
25	Indefinite Eigenvalue Problems forp-Laplacian Operators with Potential Terms on Networks. Abstract and Applied Analysis, 2014, 2014, 1-10.	0.3	1
26	Critical Blow-Up and Global Existence for Discrete Nonlinearp-Laplacian Parabolic Equations. Discrete Dynamics in Nature and Society, 2014, 2014, 1-10.	0.5	4
27	Stability of Exponential Functional Equations with Involutions. Journal of Function Spaces, 2014, 2014, 1-9.	0.4	1
28	Tempered Gevrey distributions with spectral gaps and their applications. Integral Transforms and Special Functions, 2014, 25, 85-96.	0.8	2
29	Identification of multipoles via boundary measurements. European Journal of Applied Mathematics, 2012, 23, 289-313.	1.4	3
30	Extinction and positivity of solutions of the p-Laplacian evolution equation on networks. Journal of Mathematical Analysis and Applications, 2012, 386, 581-592.	0.5	20
31	The Dirichlet boundary value problems forp-SchrÃ¶dinger operators on finite networks. Journal of Difference Equations and Applications, 2011, 17, 795-811.	0.7	16
32	Positive solutions for discrete boundary value problems involving the p-Laplacian with potential terms. Computers and Mathematics With Applications, 2011, 61, 17-29.	1.4	21
33	Superstability of generalized cauchy functional equations. Advances in Difference Equations, 2011, 2011, .	3.5	0
34	Nonlinear discrete boundary value problems for the discrete -Laplacian with potential term. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 1272-1278.	0.6	1
35	Extinction and positivity of the solutions of the heat equations with absorption on networks. Journal of Mathematical Analysis and Applications, 2011, 380, 642-652.	0.5	24
36	THE p-LAPLACIAN OPERATORS WITH POTENTIAL TERMS. Communications of the Korean Mathematical Society, 2011, 26, 591-601.	0.2	1

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37	Comparison principles for thep-Laplacian on nonlinear networks. Journal of Difference Equations and Applications, 2010, 16, 1151-1163.	0.7	5
38	IDENTIFICATION OF RESISTORS IN ELECTRICAL NETWORKS. Journal of the Korean Mathematical Society, 2010, 47, 1223-1238.	0.4	2
39	The p-SchrÃ¶dinger Equations on Finite Networks. Publications of the Research Institute for Mathematical Sciences, 2009, 45, 363-381.	0.4	10
40	Stability of Quartic Functional Equations in the Spaces of Generalized Functions. Advances in Difference Equations, 2009, 2009, 838347.	3.5	17
41	Identification of the combination of monopolar and dipolar sources for elliptic equations. Inverse Problems, 2009, 25, 085006.	1.0	12
42	Stability of an Eulerâ€“Lagrangeâ€“Rassias equation in the spaces of generalized functions. Applied Mathematics Letters, 2008, 21, 694-700.	1.5	19
43	A CHARACTERIZATION OF SOBOLEV SPACES BY SOLUTIONS OF HEAT EQUATION AND A STABILITY PROBLEM FOR A FUNCTIONAL EQUATION. Communications of the Korean Mathematical Society, 2008, 23, 401-411.	0.2	0
44	Characterization of Fourier hyperfunctions by solutions of the Hermite heat equation. Integral Transforms and Special Functions, 2007, 18, 471-480.	0.8	5
45	Stability of Cubic Functional Equation in the Spaces of Generalized Functions. Journal of Inequalities and Applications, 2007, 2007, 079893.	0.5	5
46	Diffusion and Elastic Equations on Networks. Publications of the Research Institute for Mathematical Sciences, 2007, 43, 699-726.	0.4	18
47	An algorithm to determine a dipole current in a sphere. Mathematical Methods in the Applied Sciences, 2007, 30, 1105-1119.	1.2	2
48	Stability for quadratic functional equation in the spaces of generalized functions. Journal of Mathematical Analysis and Applications, 2007, 336, 101-110.	0.5	4
49	Stability of a Jensen type functional equation. Banach Journal of Mathematical Analysis, 2007, 1, 91-100.	0.4	8
50	Poisson Equations with Nonlinear Source Terms on Networks. Publications of the Research Institute for Mathematical Sciences, 2007, 43, 945-961.	0.4	0
51	Interpolation of entire functions of finite order. Integral Transforms and Special Functions, 2006, 17, 257-265.	0.8	0
52	Uniqueness of non-harmonic series under a weaker growth condition. Integral Transforms and Special Functions, 2006, 17, 27-30.	0.8	0
53	Stability of a quadratic Jensen type functional equation in the spaces of generalized functions. Journal of Mathematical Analysis and Applications, 2006, 324, 1395-1406.	0.5	4
54	Generalized Pompeiu equation in distributions. Applied Mathematics Letters, 2006, 19, 485-490.	1.5	5

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55	Stability of a Jensen type equation in the space of generalized functions. Journal of Mathematical Analysis and Applications, 2006, 321, 114-123.	0.5	0
56	Characterization of Temperature Functions with Isolated Singularity. Mathematische Nachrichten, 2006, 168, 55-60.	0.4	3
57	Generalization of characterizations of the trigonometric functions. Mathematical Proceedings of the Cambridge Philosophical Society, 2006, 141, 509.	0.3	4
58	Stability of a quadratic functional equation in the space of distributions. Mathematical Inequalities and Applications, 2006, , 325-334.	0.1	1
59	A Multisensor Deconvolution Problem. Journal of Fourier Analysis and Applications, 2005, 11, 389-406.	0.5	1
60	$omega$-Harmonic Functions and Inverse Conductivity Problems on Networks. SIAM Journal on Applied Mathematics, 2005, 65, 1200-1226.	0.8	53
61	General sampling theorem using contour integral. Journal of Mathematical Analysis and Applications, 2004, 291, 50-65.	0.5	4
62	The stability of Cauchy equations in the space of Schwartz distributions. Journal of Mathematical Analysis and Applications, 2004, 295, 107-114.	0.5	24
63	Analyticity and quasianalyticity of positive definite distributions. Kyoto Journal of Mathematics, 2004, 44, 811.	0.2	2
64	There exist no gaps between Gevrey differentiable and nowhere Gevrey differentiable. Proceedings of the American Mathematical Society, 2004, 133, 859-863.	0.4	8
65	Bochner Schwartz Type Theorem for Conditionally Positive Definite Fourier Hyperfunctions*. Positivity, 2003, 7, 323-334.	0.3	2
66	Gevrey and Analytic Convergence of Picard'S Successive Approximations. Integral Transforms and Special Functions, 2003, 14, 19-30.	0.8	2
67	Every Stieltjes moment problem has a solution in Gel'fand-Shilov spaces. Journal of the Mathematical Society of Japan, 2003, 55, 909.	0.3	5
68	Sampling Theorem for Entire Functions of Exponential Growth. Journal of Mathematical Analysis and Applications, 2002, 265, 217-228.	0.5	3
69	Quasianalyticity of positive definite continuous functions. Publications of the Research Institute for Mathematical Sciences, 2002, 38, 725-733.	0.4	2
70	HEAT EQUATION VIA GENERALIZED FUNCTIONS. , 2002, , .		0
71	Isolated Singularities of Harmonic Functions and Analytic Functionsâˆ—. Integral Transforms and Special Functions, 2001, 11, 257-272.	0.8	0
72	Global regularity of positive define continous functions. Integral Transforms and Special Functions, 2001, 11, 345-352.	0.8	2

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73	Oscillatory Integrals As Ultradistributions*. Integral Transforms and Special Functions, 2001, 12, 37-52.	0.8	0
74	Uniqueness of a Nonharmonic Trigonometric Series under an Exponential Growth Condition. Bulletin of the London Mathematical Society, 2001, 33, 199-202.	0.4	1
75	Rotation Inveriant Generalized Functioinsâˆ—. Integral Transforms and Special Functions, 2000, 10, 25-40.	0.8	1
76	A Stronger Reflection Principle for Temperature Functions. Journal of the London Mathematical Society, 2000, 61, 543-554.	0.5	1
77	Periodic hyperfunctions and Fourier series. Proceedings of the American Mathematical Society, 2000, 128, 2421-2430.	0.4	15
78	Homogeneous generalized functions which are rotation invariant. Kyoto Journal of Mathematics, 2000, 40, .	0.2	1
79	An Integral Transformation and its Applications to Harmonic Analysis on the Space of Solutions of the Heat Equation. Publications of the Research Institute for Mathematical Sciences, 1999, 35, 737-755.	0.4	3
80	Uniqueness in the Cauchy problem for the heat equation. Proceedings of the Edinburgh Mathematical Society, 1999, 42, 455-468.	0.2	15
81	Bochnerâ€“Schwartz Theorems for Ultradistributions. Journal of Mathematical Analysis and Applications, 1998, 228, 166-180.	0.5	2
82	Positive definiteness of temperature functions. Integral Transforms and Special Functions, 1998, 6, 161-170.	0.8	0
83	Fourier analysis, distributions and hyperfunctions. Integral Transforms and Special Functions, 1998, 6, 151-160.	0.8	0
84	An interpolation by successive derivatives at a finite set. Bulletin of the Australian Mathematical Society, 1998, 58, 513-524.	0.3	0
85	Positive definite temperature functions and a correspondence to positive temperature functions. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1997, 127, 947-961.	0.8	4
86	A quasianalytic singular spectrum with respect to the Denjoy-Carleman class. Nagoya Mathematical Journal, 1997, 148, 137-149.	0.6	5
87	Characterization of harmonic functions with singularity in hyperplane. Kyoto Journal of Mathematics, 1996, 36, 199.	0.2	0
88	Equivalence of the Gelfandâ€“Shilov Spaces. Journal of Mathematical Analysis and Applications, 1996, 203, 828-839.	0.5	3
89	Distributions with Exponential Growth and Boehner-Schwartz Theorem for Fourier Hyperfunctions. Publications of the Research Institute for Mathematical Sciences, 1995, 31, 829-845.	0.4	14
90	Positive definite hyperfunctions. Nagoya Mathematical Journal, 1995, 140, 139-149.	0.6	15

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91	A Characterization for Fourier Hyperfunctions. Publications of the Research Institute for Mathematical Sciences, 1994, 30, 203-208.	0.4	60
92	An example of nonuniqueness of the cauchy problem for the heat equation. Communications in Partial Differential Equations, 1994, 19, 1257-1261.	1.0	11
93	Representation of quasianalytic ultradistributions. Arkiv for Matematik, 1993, 31, 51-60.	0.2	23
94	Fourier Hyperfunctions as the Boundary Values of Smooth Solutions of Heat Equations. Publications of the Research Institute for Mathematical Sciences, 1993, 29, 289-300.	0.4	44
95	Characterizations of ultradistributions with compact support and decomposition by support. Proceedings of the American Mathematical Society, 1991, 112, 65-65.	0.4	0