

# Soon-Yeong Chung

## List of Publications by Year in descending order

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95  
papers

613  
citations

567144

15  
h-index

677027

22  
g-index

97  
all docs

97  
docs citations

97  
times ranked

157  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Characterization for Fourier Hyperfunctions. Publications of the Research Institute for Mathematical Sciences, 1994, 30, 203-208.	0.4	60
2	$\Omega$ -Harmonic Functions and Inverse Conductivity Problems on Networks. SIAM Journal on Applied Mathematics, 2005, 65, 1200-1226.	0.8	53
3	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
4	The stability of Cauchy equations in the space of Schwartz distributions. Journal of Mathematical Analysis and Applications, 2004, 295, 107-114.	0.5	24
5	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
6	Representation of quasianalytic ultradistributions. Arkiv for Matematik, 1993, 31, 51-60.	0.2	23
7	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
8	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
9	Stability of an Euler-Lagrange-Rassias equation in the spaces of generalized functions. Applied Mathematics Letters, 2008, 21, 694-700.	1.5	19
10	Diffusion and Elastic Equations on Networks. Publications of the Research Institute for Mathematical Sciences, 2007, 43, 699-726.	0.4	18
11	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
12	Stability of Quartic Functional Equations in the Spaces of Generalized Functions. Advances in Difference Equations, 2009, 2009, 838347.	3.5	17
13	The Dirichlet boundary value problems for $p$ -Schrödinger operators on finite networks. Journal of Difference Equations and Applications, 2011, 17, 795-811.	0.7	16
14	Positive definite hyperfunctions. Nagoya Mathematical Journal, 1995, 140, 139-149.	0.6	15
15	Uniqueness in the Cauchy problem for the heat equation. Proceedings of the Edinburgh Mathematical Society, 1999, 42, 455-468.	0.2	15
16	Periodic hyperfunctions and Fourier series. Proceedings of the American Mathematical Society, 2000, 128, 2421-2430.	0.4	15
17	Distributions with Exponential Growth and Bochner-Schwartz Theorem for Fourier Hyperfunctions. Publications of the Research Institute for Mathematical Sciences, 1995, 31, 829-845.	0.4	14
18	Identification of the combination of monopolar and dipolar sources for elliptic equations. Inverse Problems, 2009, 25, 085006.	1.0	12

#	ARTICLE	IF	CITATIONS
19	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
20	An example of nonuniqueness of the cauchy problem for the heat equation. Communications in Partial Differential Equations, 1994, 19, 1257-1261.	1.0	11
21	The $\psi$ -Schrödinger Equations on Finite Networks. Publications of the Research Institute for Mathematical Sciences, 2009, 45, 363-381.	0.4	10
22	There exist no gaps between Gevrey differentiable and nowhere Gevrey differentiable. Proceedings of the American Mathematical Society, 2004, 133, 859-863.	0.4	8
23	Stability of a Jensen type functional equation. Banach Journal of Mathematical Analysis, 2007, 1, 91-100.	0.4	8
24	Blow-up for discrete reaction-diffusion equations on networks. Applicable Analysis and Discrete Mathematics, 2015, 9, 103-119.	0.3	7
25	A quasianalytic singular spectrum with respect to the Denjoy-Carleman class. Nagoya Mathematical Journal, 1997, 148, 137-149.	0.6	5
26	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
27	Generalized Pompeiu equation in distributions. Applied Mathematics Letters, 2006, 19, 485-490.	1.5	5
28	Characterization of Fourier hyperfunctions by solutions of the Hermite heat equation. Integral Transforms and Special Functions, 2007, 18, 471-480.	0.8	5
29	Stability of Cubic Functional Equation in the Spaces of Generalized Functions. Journal of Inequalities and Applications, 2007, 2007, 079893.	0.5	5
30	Comparison principles for the $p$ -Laplacian on nonlinear networks. Journal of Difference Equations and Applications, 2010, 16, 1151-1163.	0.7	5
31	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
32	General sampling theorem using contour integral. Journal of Mathematical Analysis and Applications, 2004, 291, 50-65.	0.5	4
33	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
34	Generalization of characterizations of the trigonometric functions. Mathematical Proceedings of the Cambridge Philosophical Society, 2006, 141, 509.	0.3	4
35	Stability for quadratic functional equation in the spaces of generalized functions. Journal of Mathematical Analysis and Applications, 2007, 336, 101-110.	0.5	4
36	Critical Blow-Up and Global Existence for Discrete Nonlinear $p$ -Laplacian Parabolic Equations. Discrete Dynamics in Nature and Society, 2014, 2014, 1-10.	0.5	4

#	ARTICLE	IF	CITATIONS
37	A complete characterization of extinction versus positivity of solutions to a parabolic problem of $p$ -Laplacian type in graphs. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 452, 226-245.	0.5	4
38	On the critical set for Fujita type blow-up of solutions to the discrete Laplacian parabolic equations with nonlinear source on networks. <i>Computers and Mathematics With Applications</i> , 2019, 78, 1838-1850.	1.4	4
39	The discrete $p$ -Schrödinger equations under the mixed boundary conditions on networks. <i>Physica D: Nonlinear Phenomena</i> , 2019, 395, 43-59.	1.3	4
40	Equivalence of the Gelfand-Shilov Spaces. <i>Journal of Mathematical Analysis and Applications</i> , 1996, 203, 828-839.	0.5	3
41	An Integral Transformation and its Applications to Harmonic Analysis on the Space of Solutions of the Heat Equation. <i>Publications of the Research Institute for Mathematical Sciences</i> , 1999, 35, 737-755.	0.4	3
42	Sampling Theorem for Entire Functions of Exponential Growth. <i>Journal of Mathematical Analysis and Applications</i> , 2002, 265, 217-228.	0.5	3
43	Characterization of Temperature Functions with Isolated Singularity. <i>Mathematische Nachrichten</i> , 2006, 168, 55-60.	0.4	3
44	Identification of multipoles via boundary measurements. <i>European Journal of Applied Mathematics</i> , 2012, 23, 289-313.	1.4	3
45	Fujita-Type Blow-Up for Discrete Reaction-Diffusion Equations on Networks. <i>Publications of the Research Institute for Mathematical Sciences</i> , 2019, 55, 235-258.	0.4	3
46	A complete characterization of the discrete $p$ -Laplacian parabolic equations with $q$ -nonlocal reaction with respect to the blow-up property. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 473, 1447-1473.	0.5	3
47	MULTIPLE SOLUTIONS TO DISCRETE BOUNDARY VALUE PROBLEMS FOR THE $p$ -LAPLACIAN WITH POTENTIAL TERMS ON FINITE GRAPHS. <i>Bulletin of the Korean Mathematical Society</i> , 2015, 52, 1517-1533.	0.3	3
48	Bochner-Schwartz Theorems for Ultradistributions. <i>Journal of Mathematical Analysis and Applications</i> , 1998, 228, 166-180.	0.5	2
49	Global regularity of positive definite continuous functions. <i>Integral Transforms and Special Functions</i> , 2001, 11, 345-352.	0.8	2
50	Bochner Schwartz Type Theorem for Conditionally Positive Definite Fourier Hyperfunctions*. <i>Positivity</i> , 2003, 7, 323-334.	0.3	2
51	Gevrey and Analytic Convergence of Picard's Successive Approximations. <i>Integral Transforms and Special Functions</i> , 2003, 14, 19-30.	0.8	2
52	Analyticity and quasianalyticity of positive definite distributions. <i>Kyoto Journal of Mathematics</i> , 2004, 44, 811.	0.2	2
53	An algorithm to determine a dipole current in a sphere. <i>Mathematical Methods in the Applied Sciences</i> , 2007, 30, 1105-1119.	1.2	2
54	Blow-Up Solutions and Global Solutions to Discrete $p$ -Laplacian Parabolic Equations. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-11.	0.3	2

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55	Tempered Gevrey distributions with spectral gaps and their applications. <i>Integral Transforms and Special Functions</i> , 2014, 25, 85-96.	0.8	2
56	Extinction and positivity for the evolution p-Laplacian equations with absorption on networks. <i>Computers and Mathematics With Applications</i> , 2015, 69, 223-234.	1.4	2
57	A complete characterization of nonlinear absorption for the evolution p-Laplacian equations to have positive or extinctive solutions. <i>Computers and Mathematics With Applications</i> , 2016, 71, 1624-1635.	1.4	2
58	A complete characterization of Fujita's blow-up solutions for discrete p-Laplacian parabolic equations under the mixed boundary conditions on networks. <i>Journal of Mathematical Analysis and Applications</i> , 2021, 497, 124859.	0.5	2
59	Quasianalyticity of positive definite continuous functions. <i>Publications of the Research Institute for Mathematical Sciences</i> , 2002, 38, 725-733.	0.4	2
60	IDENTIFICATION OF RESISTORS IN ELECTRICAL NETWORKS. <i>Journal of the Korean Mathematical Society</i> , 2010, 47, 1223-1238.	0.4	2
61	A necessary and sufficient condition for the existence of global solutions to discrete semilinear parabolic equations on networks. <i>Chaos, Solitons and Fractals</i> , 2022, 158, 112055.	2.5	2
62	Rotation Invariant Generalized Functions. <i>Integral Transforms and Special Functions</i> , 2000, 10, 25-40.	0.8	1
63	A Stronger Reflection Principle for Temperature Functions. <i>Journal of the London Mathematical Society</i> , 2000, 61, 543-554.	0.5	1
64	Uniqueness of a Nonharmonic Trigonometric Series under an Exponential Growth Condition. <i>Bulletin of the London Mathematical Society</i> , 2001, 33, 199-202.	0.4	1
65	A Multisensor Deconvolution Problem. <i>Journal of Fourier Analysis and Applications</i> , 2005, 11, 389-406.	0.5	1
66	Nonlinear discrete boundary value problems for the discrete -Laplacian with potential term. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2011, 74, 1272-1278.	0.6	1
67	Indefinite Eigenvalue Problems for p-Laplacian Operators with Potential Terms on Networks. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-10.	0.3	1
68	Stability of Exponential Functional Equations with Involutions. <i>Journal of Function Spaces</i> , 2014, 2014, 1-9.	0.4	1
69	Homogeneous generalized functions which are rotation invariant. <i>Kyoto Journal of Mathematics</i> , 2000, 40, .	0.2	1
70	Stability of a quadratic functional equation in the space of distributions. <i>Mathematical Inequalities and Applications</i> , 2006, , 325-334.	0.1	1
71	THE p-LAPLACIAN OPERATORS WITH POTENTIAL TERMS. <i>Communications of the Korean Mathematical Society</i> , 2011, 26, 591-601.	0.2	1
72	Blow-up solutions to nonlinear parabolic equations with non-autonomous reactions under the mixed boundary conditions. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 5560-5573.	1.2	1

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73	Characterization of harmonic functions with singularity in hyperplane. <i>Kyoto Journal of Mathematics</i> , 1996, 36, 199.	0.2	0
74	Positive definiteness of temperature functions. <i>Integral Transforms and Special Functions</i> , 1998, 6, 161-170.	0.8	0
75	Fourier analysis, distributions and hyperfunctions. <i>Integral Transforms and Special Functions</i> , 1998, 6, 151-160.	0.8	0
76	An interpolation by successive derivatives at a finite set. <i>Bulletin of the Australian Mathematical Society</i> , 1998, 58, 513-524.	0.3	0
77	Isolated Singularities of Harmonic Functions and Analytic Functions— . <i>Integral Transforms and Special Functions</i> , 2001, 11, 257-272.	0.8	0
78	Oscillatory Integrals As Ultradistributions*. <i>Integral Transforms and Special Functions</i> , 2001, 12, 37-52.	0.8	0
79	Interpolation of entire functions of finite order. <i>Integral Transforms and Special Functions</i> , 2006, 17, 257-265.	0.8	0
80	Uniqueness of non-harmonic series under a weaker growth condition. <i>Integral Transforms and Special Functions</i> , 2006, 17, 27-30.	0.8	0
81	Stability of a Jensen type equation in the space of generalized functions. <i>Journal of Mathematical Analysis and Applications</i> , 2006, 321, 114-123.	0.5	0
82	Superstability of generalized cauchy functional equations. <i>Advances in Difference Equations</i> , 2011, 2011, .	3.5	0
83	Ulam Problem for the Cosine Addition Formula in Sato Hyperfunctions. <i>Journal of Function Spaces</i> , 2015, 2015, 1-10.	0.4	0
84	ON THE REAL-VALUED GENERAL SOLUTIONS OF THE D'ALEMBERT EQUATION WITH INVOLUTION. <i>Bulletin of the Australian Mathematical Society</i> , 2017, 95, 260-268.	0.3	0
85	Dichotomy of solutions to discrete $p$ -Laplace equations and $p$ -Laplace parabolic equations. <i>Computers and Mathematics With Applications</i> , 2018, 75, 2915-2924.	1.4	0
86	A condition for blow-up solutions to discrete $p$ -Laplacian parabolic equations under the mixed boundary conditions on networks. <i>Boundary Value Problems</i> , 2019, 2019, .	0.3	0
87	On the critical set for discrete Laplacian parabolic equations with polynomial-type reactions. <i>Journal of Difference Equations and Applications</i> , 2020, 26, 779-801.	0.7	0
88	New blow-up conditions to $p$ -Laplace type nonlinear parabolic equations under nonlinear boundary conditions. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 6086-6100.	1.2	0
89	HEAT EQUATION VIA GENERALIZED FUNCTIONS. , 2002, , .		0
90	Poisson Equations with Nonlinear Source Terms on Networks. <i>Publications of the Research Institute for Mathematical Sciences</i> , 2007, 43, 945-961.	0.4	0

#	ARTICLE	IF	CITATIONS
91	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
92	Characterizations of ultradistributions with compact support and decomposition by support. Proceedings of the American Mathematical Society, 1991, 112, 65-65.	0.4	0
93	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
94	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
95	Blow-up conditions of nonlinear parabolic equations and systems under mixed nonlinear boundary conditions. Boundary Value Problems, 2022, 2022, .	0.3	0