Soon-Mo Jung

List of Publications by Year
in descending order

104 papers	1,990 citations	394286 19 h-index	254106 43 g-index
108 all docs	108 docs citations	108 times ranked	358 citing authors

#	Article	IF	Citations
1	Hyers-Ulam-Rassias Stability of Functional Equations in Nonlinear Analysis. Springer Optimization and Its Applications, 2011, , .	0.6	356
2	On the Hyers–Ulam Stability of the Functional Equations That Have the Quadratic Property. Journal of Mathematical Analysis and Applications, 1998, 222, 126-137.	0.5	210
3	Hyers-Ulam-Rassias stability of Jensen's equation and its application. Proceedings of the American Mathematical Society, 1998, 126, 3137-3143.	0.4	146
4	Hyers–Ulam stability of linear differential equations of first order, III. Journal of Mathematical Analysis and Applications, 2005, 311, 139-146.	0.5	121
5	On the stability of the linear functional equation in a single variable on complete metric groups. Journal of Global Optimization, 2014, 59, 165-171.	1.1	110
6	Hyers–Ulam stability of a system of first order linear differential equations with constant coefficients. Journal of Mathematical Analysis and Applications, 2006, 320, 549-561.	0.5	93
7	Laplace transform and Hyers–Ulam stability of linear differential equations. Journal of Mathematical Analysis and Applications, 2013, 403, 244-251.	0.5	92
8	On the Hyers–Ulam–Rassias Stability of Approximately Additive Mappings. Journal of Mathematical Analysis and Applications, 1996, 204, 221-226.	0.5	91
9	HYERS-ULAM-RASSIAS STABILITY OF THE BANACH SPACE VALUED LINEAR DIFFERENTIAL EQUATIONS $y' = \lambda y$. Journal of the Korean Mathematical Society, 2004, 41, 995-1005.	0.4	68
10	Stability of the Quadratic Equation of Pexider Type. Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg, 2000, 70, 175-190.	0.2	54
11	Uniqueness theorems on functional inequalities concerning cubic-quadratic-additive equation. Journal of Mathematical Inequalities, 2018, , 43-61.	0.5	48
12	On an n-dimensional mixed type additive and quadratic functional equation. Applied Mathematics and Computation, 2014, 228, 13-16.	1.4	40
13	A Linear Functional Equation of Third Order Associated with the Fibonacci Numbers. Abstract and Applied Analysis, 2014, 2014, 1-7.	0.3	37
14	On a functional equation of trigonometric type. Applied Mathematics and Computation, 2015, 252, 294-303.	1.4	37
15	On the stability of Laplace's equation. Applied Mathematics Letters, 2013, 26, 549-552.	1.5	35
16	On the Stability of a Functional Equation Associated with the Fibonacci Numbers. Abstract and Applied Analysis, 2014, 2014, 1-6.	0.3	35
17	Legendre's Differential Equation and Its Hyers-Ulam Stability. Abstract and Applied Analysis, 2007, 2007, 1-14.	0.3	22
18	A Note on Stability of an Operator Linear Equation of the Second Order. Abstract and Applied Analysis, 2011, 2011, 1-15.	0.3	22

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19	Quadratic functional equations of Pexider type. International Journal of Mathematics and Mathematical Sciences, 2000, 24, 351-359.	0.3	20
20	Hyers-Ulam stability of first order linear partial differential equations with constant coefficients. Mathematical Inequalities and Applications, 2007, , 261-266.	0.1	20
21	Approximation of analytic functions by Hermite functions. Bulletin Des Sciences Mathematiques, 2009, 133, 756-764.	0.5	19
22	The Stability of the Wigner Equation on a Restricted Domain. Journal of Mathematical Analysis and Applications, 2001, 254, 309-320.	0.5	16
23	A Note on Stability of a Linear Functional Equation of Second Order Connected with the Fibonacci Numbers and Lucas Sequences. Journal of Inequalities and Applications, 2010, 2010, 793947.	0.5	14
24	Some functional equations originating from number theory. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2003, 113, 91-98.	0.2	13
25	Approximation of analytic functions by Airy functions. Integral Transforms and Special Functions, 2008, 19, 885-891.	0.8	13
26	On the Hyers-Ulam Stability of Differential Equations of Second Order. Abstract and Applied Analysis, 2014, 2014, 1-8.	0.3	13
27	Invariance of Hyers-Ulam stability of linear differential equations and its applications. Advances in Difference Equations, 2015, 2015, .	3.5	12
28	Functional Equation and Its Hyers-Ulam Stability. Journal of Inequalities and Applications, 2009, 2009, 181678.	0.5	11
29	The inhomogeneous Euler equation and its Hyers–Ulam stability. Applied Mathematics Letters, 2015, 40, 23-28.	1.5	10
30	Approximation of analytic functions by Legendre functions. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e103-e108.	0.6	9
31	Hyers–Ulam stability of the time independent Schrödinger equations. Applied Mathematics Letters, 2017, 74, 147-153.	1.5	9
32	ON DISTANCE-PRESERVING MAPPINGS. Journal of the Korean Mathematical Society, 2004, 41, 667-680.	0.4	8
33	On the stability of the quadratic functional equation on bounded domains. Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg, 1999, 69, 293-308.	0.2	7
34	Asymptotic properties of isometries. Journal of Mathematical Analysis and Applications, 2002, 276, 642-653.	0.5	7
35	Bessel's Differential Equation and Its Hyers-Ulam Stability. Journal of Inequalities and Applications, 2007, 2007, 021640.	0.5	7
36	Approximation of analytic functions by Laguerre functions. Applied Mathematics and Computation, 2011, 218, 832-835.	1.4	7

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37	The linear differential equations with complex constant coefficients and Schrödinger equations. Applied Mathematics Letters, 2017, 66, 23-29.	1.5	7
38	Stability of the Wave Equation with a Source. Journal of Function Spaces, 2018, 2018, 1-4.	0.4	7
39	On Approximate Euler Differential Equations. Abstract and Applied Analysis, 2009, 2009, 1-8.	0.3	6
40	A Fixed Point Approach to the Stability of ann-Dimensional Mixed-Type Additive and Quadratic Functional Equation. Abstract and Applied Analysis, 2012, 2012, 1-14.	0.3	6
41	On the Stability of Heat Equation. Abstract and Applied Analysis, 2013, 2013, 1-4.	0.3	6
42	Inequalities for distances between points and distance preserving mappings. Nonlinear Analysis: Theory, Methods & Applications, 2005, 62, 675-681.	0.6	5
43	On the stability of the heat equation with an initial condition. Journal of Inequalities and Applications, 2013, 2013, .	0.5	5
44	On the Hyers-Ulam Stability of the First-Order Difference Equation. Journal of Function Spaces, 2016, 2016, 1-6.	0.4	5
45	Some Properties of Interior and Closure in General Topology. Mathematics, 2019, 7, 624.	1.1	5
46	On the conjecture of Ulam on the invariance of measure in the Hilbert cube. Colloquium Mathematicum, 2018, 152, 79-95.	0.2	5
47	An inequality for distances between 2n points and the Aleksandrov–Rassias problem. Journal of Mathematical Analysis and Applications, 2006, 324, 1363-1369.	0.5	4
48	On the Stability of Wave Equation. Abstract and Applied Analysis, 2013, 2013, 1-6.	0.3	4
49	A Fixed Point Approach to the Stability of Linear Differential Equations. Bulletin of the Malaysian Mathematical Sciences Society, 2015, 38, 855-865.	0.4	4
50	A Fixed Point Approach to the Stability of a Mean Value Type Functional Equation. Mathematics, 2017, 5, 78.	1.1	4
51	An Operator Method for the Stability of Inhomogeneous Wave Equations. Symmetry, 2019, 11, 324.	1.1	4
52	The conjecture of Ulam on the invariance of measure on Hilbert cube. Journal of Mathematical Analysis and Applications, 2020, 481, 123500.	0.5	4
53	Approximation Properties of Solutions of a Mean Value-Type Functional Inequality, II. Mathematics, 2020, 8, 1299.	1.1	4
54	Approximation properties of solutions of a mean value type functional inequalities. Journal of Nonlinear Science and Applications, 2017, 10, 4507-4514.	0.4	4

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55	ON THE STABILITY OF A MEAN VALUE TYPE FUNCTIONAL EQUATION. Demonstratio Mathematica, 2000, 33, .	0.6	3
56	Superstability of the generalized orthogonality equation on restricted domains. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2004, 114, 253-267.	0.2	3
57	Implicit function theorem and its application to a Ulamâ€™s problem for exact differential equations. Acta Mathematica Sinica, English Series, 2010, 26, 2085-2092.	0.2	3
58	Stability of the‹mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"›‹mml:mi›n‹/mml:mi›‹/mml:math›-Dimensional Mixed-Type Additive and Quadratic Functional Equation in Non-Archimedean Normed Spaces. Abstract and Applied Analysis, 2012, 2012, 1-9.	0.3	3
59	Fuzzy Stability of an‹i›n‹/i›-Dimensional Quadratic and Additive Functional Equation. Advances in Fuzzy Systems, 2012, 2012, 1-9.	0.6	3
60	Power series method and approximate linear differential equations of second order. Advances in Difference Equations, 2013, 2013, .	3.5	3
61	On the Stability of One-Dimensional Wave Equation. Scientific World Journal, The, 2013, 2013, 1-3.	0.8	3
62	Hyers-Ulam stability of isometries on bounded domains. Open Mathematics, 2021, 19, 675-689.	0.5	3
63	On a modified Hyers-Ulam stability of homogeneous equation. International Journal of Mathematics and Mathematical Sciences, 1998, 21, 475-478.	0.3	2
64	Unit-circle-preserving mappings. International Journal of Mathematics and Mathematical Sciences, 2004, 2004, 3577-3586.	0.3	2
65	Approximation of Analytic Functions by Chebyshev Functions. Abstract and Applied Analysis, 2011, 2011, 1-10.	0.3	2
66	Stability of an‹mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"›‹mml:mi›n‹/mml:mi›‹/mml:math›-Dimensional Mixed-Type Additive and Quadratic Functional Equation in Random Normed Spaces. Journal of Applied Mathematics, 2012, 2012, 1-15.	0.4	2
67	A General Uniqueness Theorem concerning the Stability of Additive and Quadratic Functional Equations. Journal of Function Spaces, 2015, 2015, 1-8.	0.4	2
68	Hyers-Ulam Stability of the First-Order Matrix Differential Equations. Journal of Function Spaces, 2015, 2015, 1-7.	0.4	2
69	Approximation by First-Order Linear Differential Equations with an Initial Condition. Journal of Function Spaces, 2016, 2016, 1-7.	0.4	2
70	General uniqueness theorem concerning the stability of additive, quadratic, and cubic functional equations. Advances in Difference Equations, 2016, 2016, .	3.5	2
71	Approximation Property of the Stationary Stokes Equations with the Periodic Boundary Condition. Journal of Function Spaces, 2018, 2018, 1-5.	0.4	2
72	Hyers-Ulam Stability of Lagrangeâ€™s Mean Value Points in Two Variables. Mathematics, 2018, 6, 216.	1.1	2

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73	Perturbation of One-Dimensional Time Independent Schrödinger Equation With a Symmetric Parabolic Potential Wall. Symmetry, 2020, 12, 1089.	1.1	2
74	The Stability of Isometries on Restricted Domains. Symmetry, 2021, 13, 282.	1.1	2
75	Approximation of Analytic Functions by Special Functions. Annals of Functional Analysis, 2012, 3, 92-99.	0.3	2
76	The Stability of a General Sextic Functional Equation by Fixed Point Theory. Journal of Function Spaces, 2020, 2020, 1-8.	0.4	2
77	Perturbation of One-Dimensional Time-Independent Schrödinger Equation with a Near-Hyperbolic Potential. Axioms, 2022, 11, 63.	0.9	2
78	Stability of generalized additive Cauchy equations. International Journal of Mathematics and Mathematical Sciences, 2000, 24, 721-727.	0.3	1
79	A functional equation characterizing cubic polynomials and its stability. International Journal of Mathematics and Mathematical Sciences, 2001, 27, 301-307.	0.3	1
80	A characterization of isometries on an open convex set. Bulletin of the Brazilian Mathematical Society, 2006, 37, 351-359.	0.3	1
81	Approximation of Analytic Functions by Kummer Functions. Journal of Inequalities and Applications, 2010, 2010, 898274.	0.5	1
82	Hyers-Ulam Stability of Differential Equation $y'' + 2xy' - 2ny = 0$. Journal of Inequalities and Applications, 2010, 2010, 1-12.	0.5	1
83	Approximation of Analytic Functions by Bessel's Functions of Fractional Order. Abstract and Applied Analysis, 2011, 2011, 1-13.	0.3	1
84	Ulam's Type Stability 2013. Abstract and Applied Analysis, 2013, 2013, 1-2.	0.3	1
85	Generalized Hyers-Ulam Stability of a Mixed Type Functional Equation. Abstract and Applied Analysis, 2013, 2013, 1-5.	0.3	1
86	A Fixed Point Approach to the Stability of an Additive-Quadratic-Cubic-Quartic Type Functional Equation. Journal of Function Spaces, 2016, 2016, 1-7.	0.4	1
87	A Dilation Invariance Method and the Stability of Inhomogeneous Wave Equations. Mathematics, 2019, 7, 70.	1.1	1
88	The Approximation Property of a One-Dimensional, Time Independent Schrödinger Equation with a Hyperbolic Potential Well. Mathematics, 2020, 8, 1351.	1.1	1
89	Generalized Hyers-Ulam stability of a 3-dimensional quadratic-additive type functional equation. International Journal of Mathematical Analysis, 0, 9, 527-540.	0.3	1
90	Perturbation of the one-dimensional time-independent Schrödinger equation with a rectangular potential barrier. Open Mathematics, 2020, 18, 1413-1422.	0.5	1

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91	On the improvement of Fickett's theorem on bounded sets. Journal of Inequalities and Applications, 2022, 2022, .	0.5	1
92	On some congruence with application to exponential sums. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2004, 114, 1-6.	0.2	0
93	Mappings preserving regular hexahedrons. International Journal of Mathematics and Mathematical Sciences, 2005, 2005, 3511-3515.	0.3	0
94	A characterization of isometries on an open convex set, II. Bulletin of the Brazilian Mathematical Society, 2009, 40, 77-84.	0.3	0
95	Simple Harmonic Oscillator Equation and Its Hyers-Ulam Stability. Journal of Function Spaces and Applications, 2012, 2012, 1-8.	0.5	0
96	An approximation property of simple harmonic functions. Journal of Inequalities and Applications, 2013, 2013, .	0.5	0
97	General Quadratic-Additive Type Functional Equation and Its Stability. International Journal of Mathematics and Mathematical Sciences, 2016, 2016, 1-10.	0.3	0
98	Approximation of Analytic Functions by Solutions of Cauchy-Euler Equation. Journal of Function Spaces, 2016, 2016, 1-5.	0.4	0
99	A general theorem on the stability of a class of functional equations including quadratic-additive functional equations. SpringerPlus, 2016, 5, 159.	1.2	0
100	A General Theorem on the Stability of a Class of Functional Equations Including Quartic-Cubic-Quadratic-Additive Equations. Mathematics, 2018, 6, 282.	1.1	0
101	Stability of the Diffusion Equation with a Source. Journal of Function Spaces, 2018, 2018, 1-8.	0.4	0
102	Hyers–Ulam Stability of Two-Dimensional Flett's Mean Value Points. Mathematics, 2019, 7, 733.	1.1	0
103	Modified Cyclotomic Polynomial and Its Irreducibility. Mathematics, 2020, 8, 343.	1.1	0
104	On a relationship between the Hausdorff measure and the density of the thinnest covering of $\mathbb{R}^n$. Journal of Mathematical Analysis and Applications, 2021, 494, 124667.	0.5	0