

Soon-Mo Jung

List of Publications by Year in descending order

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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	On the improvement of Fickett's theorem on bounded sets. Journal of Inequalities and Applications, 2022, 2022, .	0.5	1
2	Perturbation of One-Dimensional Time-Independent Schrödinger Equation with a Near-Hyperbolic Potential. Axioms, 2022, 11, 63.	0.9	2
3	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
4	The Stability of Isometries on Restricted Domains. Symmetry, 2021, 13, 282.	1.1	2
5	Hyers-Ulam stability of isometries on bounded domains. Open Mathematics, 2021, 19, 675-689.	0.5	3
6	The conjecture of Ulam on the invariance of measure on Hilbert cube. Journal of Mathematical Analysis and Applications, 2020, 481, 123500.	0.5	4
7	Perturbation of One-Dimensional Time Independent Schrödinger Equation With a Symmetric Parabolic Potential Well. Symmetry, 2020, 12, 1089.	1.1	2
8	The Approximation Property of a One-Dimensional, Time Independent Schrödinger Equation with a Hyperbolic Potential Well. Mathematics, 2020, 8, 1351.	1.1	1
9	Approximation Properties of Solutions of a Mean Value-Type Functional Inequality, II. Mathematics, 2020, 8, 1299.	1.1	4
10	Modified Cyclotomic Polynomial and Its Irreducibility. Mathematics, 2020, 8, 343.	1.1	0
11	Perturbation of the one-dimensional time-independent Schrödinger equation with a rectangular potential barrier. Open Mathematics, 2020, 18, 1413-1422.	0.5	1
12	The Stability of a General Sextic Functional Equation by Fixed Point Theory. Journal of Function Spaces, 2020, 2020, 1-8.	0.4	2
13	Some Properties of Interior and Closure in General Topology. Mathematics, 2019, 7, 624.	1.1	5
14	Hyers-Ulam Stability of Two-Dimensional Flett's Mean Value Points. Mathematics, 2019, 7, 733.	1.1	0
15	A Dilation Invariance Method and the Stability of Inhomogeneous Wave Equations. Mathematics, 2019, 7, 70.	1.1	1
16	An Operator Method for the Stability of Inhomogeneous Wave Equations. Symmetry, 2019, 11, 324.	1.1	4
17	Approximation Property of the Stationary Stokes Equations with the Periodic Boundary Condition. Journal of Function Spaces, 2018, 2018, 1-5.	0.4	2
18	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

#	ARTICLE	IF	CITATIONS
19	Hyers-Ulam Stability of Lagrange's Mean Value Points in Two Variables. <i>Mathematics</i> , 2018, 6, 216.	1.1	2
20	Stability of the Wave Equation with a Source. <i>Journal of Function Spaces</i> , 2018, 2018, 1-4.	0.4	7
21	Stability of the Diffusion Equation with a Source. <i>Journal of Function Spaces</i> , 2018, 2018, 1-8.	0.4	0
22	On the conjecture of Ulam on the invariance of measure in the Hilbert cube. <i>Colloquium Mathematicum</i> , 2018, 152, 79-95.	0.2	5
23	Uniqueness theorems on functional inequalities concerning cubic-quadratic-additive equation. <i>Journal of Mathematical Inequalities</i> , 2018, , 43-61.	0.5	48
24	Hyers-Ulam stability of the time independent Schrödinger equations. <i>Applied Mathematics Letters</i> , 2017, 74, 147-153.	1.5	9
25	The linear differential equations with complex constant coefficients and Schrödinger equations. <i>Applied Mathematics Letters</i> , 2017, 66, 23-29.	1.5	7
26	A Fixed Point Approach to the Stability of a Mean Value Type Functional Equation. <i>Mathematics</i> , 2017, 5, 78.	1.1	4
27	Approximation properties of solutions of a mean value type functional inequalities. <i>Journal of Nonlinear Science and Applications</i> , 2017, 10, 4507-4514.	0.4	4
28	General Quadratic-Additive Type Functional Equation and Its Stability. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2016, 2016, 1-10.	0.3	0
29	Approximation by First-Order Linear Differential Equations with an Initial Condition. <i>Journal of Function Spaces</i> , 2016, 2016, 1-7.	0.4	2
30	A Fixed Point Approach to the Stability of an Additive-Quadratic-Cubic-Quartic Type Functional Equation. <i>Journal of Function Spaces</i> , 2016, 2016, 1-7.	0.4	1
31	Approximation of Analytic Functions by Solutions of Cauchy-Euler Equation. <i>Journal of Function Spaces</i> , 2016, 2016, 1-5.	0.4	0
32	On the Hyers-Ulam Stability of the First-Order Difference Equation. <i>Journal of Function Spaces</i> , 2016, 2016, 1-6.	0.4	5
33	General uniqueness theorem concerning the stability of additive, quadratic, and cubic functional equations. <i>Advances in Difference Equations</i> , 2016, 2016, .	3.5	2
34	A general theorem on the stability of a class of functional equations including quadratic-additive functional equations. <i>SpringerPlus</i> , 2016, 5, 159.	1.2	0
35	Invariance of Hyers-Ulam stability of linear differential equations and its applications. <i>Advances in Difference Equations</i> , 2015, 2015, .	3.5	12
36	A General Uniqueness Theorem concerning the Stability of Additive and Quadratic Functional Equations. <i>Journal of Function Spaces</i> , 2015, 2015, 1-8.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Hyers-Ulam Stability of the First-Order Matrix Differential Equations. Journal of Function Spaces, 2015, 2015, 1-7.	0.4	2
38	On a functional equation of trigonometric type. Applied Mathematics and Computation, 2015, 252, 294-303.	1.4	37
39	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
40	The inhomogeneous Euler equation and its Hyers-Ulam stability. Applied Mathematics Letters, 2015, 40, 23-28.	1.5	10
41	On the Stability of a Functional Equation Associated with the Fibonacci Numbers. Abstract and Applied Analysis, 2014, 2014, 1-6.	0.3	35
42	A Linear Functional Equation of Third Order Associated with the Fibonacci Numbers. Abstract and Applied Analysis, 2014, 2014, 1-7.	0.3	37
43	On the Hyers-Ulam Stability of Differential Equations of Second Order. Abstract and Applied Analysis, 2014, 2014, 1-8.	0.3	13
44	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
45	On an n-dimensional mixed type additive and quadratic functional equation. Applied Mathematics and Computation, 2014, 228, 13-16.	1.4	40
46	An approximation property of simple harmonic functions. Journal of Inequalities and Applications, 2013, 2013, .	0.5	0
47	Power series method and approximate linear differential equations of second order. Advances in Difference Equations, 2013, 2013, .	3.5	3
48	Laplace transform and Hyers-Ulam stability of linear differential equations. Journal of Mathematical Analysis and Applications, 2013, 403, 244-251.	0.5	92
49	On the stability of Laplace's equation. Applied Mathematics Letters, 2013, 26, 549-552.	1.5	35
50	On the stability of the heat equation with an initial condition. Journal of Inequalities and Applications, 2013, 2013, .	0.5	5
51	Ulam's Type Stability 2013. Abstract and Applied Analysis, 2013, 2013, 1-2.	0.3	1
52	Generalized Hyers-Ulam Stability of a Mixed Type Functional Equation. Abstract and Applied Analysis, 2013, 2013, 1-5.	0.3	1
53	On the Stability of Wave Equation. Abstract and Applied Analysis, 2013, 2013, 1-6.	0.3	4
54	On the Stability of Heat Equation. Abstract and Applied Analysis, 2013, 2013, 1-4.	0.3	6

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55	On the Stability of One-Dimensional Wave Equation. Scientific World Journal, The, 2013, 2013, 1-3.	0.8	3
56	Stability of the n -Dimensional Mixed-Type Additive and Quadratic Functional Equation in Non-Archimedean Normed Spaces. Abstract and Applied Analysis, 2012, 2012, 1-9.	0.3	3
57	Simple Harmonic Oscillator Equation and Its Hyers-Ulam Stability. Journal of Function Spaces and Applications, 2012, 2012, 1-8.	0.5	0
58	Stability of an n -Dimensional Mixed-Type Additive and Quadratic Functional Equation in Random Normed Spaces. Journal of Applied Mathematics, 2012, 2012, 1-15.	0.4	2
59	A Fixed Point Approach to the Stability of an n -Dimensional Mixed-Type Additive and Quadratic Functional Equation. Abstract and Applied Analysis, 2012, 2012, 1-14.	0.3	6
60	Fuzzy Stability of an n -Dimensional Quadratic and Additive Functional Equation. Advances in Fuzzy Systems, 2012, 2012, 1-9.	0.6	3
61	Approximation of Analytic Functions by Special Functions. Annals of Functional Analysis, 2012, 3, 92-99.	0.3	2
62	Approximation of analytic functions by Laguerre functions. Applied Mathematics and Computation, 2011, 218, 832-835.	1.4	7
63	Approximation of Analytic Functions by Bessel's Functions of Fractional Order. Abstract and Applied Analysis, 2011, 2011, 1-13.	0.3	1
64	Approximation of Analytic Functions by Chebyshev Functions. Abstract and Applied Analysis, 2011, 2011, 1-10.	0.3	2
65	A Note on Stability of an Operator Linear Equation of the Second Order. Abstract and Applied Analysis, 2011, 2011, 1-15.	0.3	22
66	Hyers-Ulam-Rassias Stability of Functional Equations in Nonlinear Analysis. Springer Optimization and Its Applications, 2011, , .	0.6	356
67	Implicit function theorem and its application to a Ulam's problem for exact differential equations. Acta Mathematica Sinica, English Series, 2010, 26, 2085-2092.	0.2	3
68	Approximation of Analytic Functions by Kummer Functions. Journal of Inequalities and Applications, 2010, 2010, 898274.	0.5	1
69	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
70	Hyers-Ulam Stability of Differential Equation $y'' + 2xy' - 2ny = 0$. Journal of Inequalities and Applications, 2010, 2010, 1-12.	0.5	1
71	Functional Equation and Its Hyers-Ulam Stability. Journal of Inequalities and Applications, 2009, 2009, 181678.	0.5	11
72	On Approximate Euler Differential Equations. Abstract and Applied Analysis, 2009, 2009, 1-8.	0.3	6

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73	A characterization of isometries on an open convex set, II. Bulletin of the Brazilian Mathematical Society, 2009, 40, 77-84.	0.3	0
74	Approximation of analytic functions by Legendre functions. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e103-e108.	0.6	9
75	Approximation of analytic functions by Hermite functions. Bulletin Des Sciences Mathematiques, 2009, 133, 756-764.	0.5	19
76	Approximation of analytic functions by Airy functions. Integral Transforms and Special Functions, 2008, 19, 885-891.	0.8	13
77	Bessel's Differential Equation and Its Hyers-Ulam Stability. Journal of Inequalities and Applications, 2007, 2007, 021640.	0.5	7
78	Legendre's Differential Equation and Its Hyers-Ulam Stability. Abstract and Applied Analysis, 2007, 2007, 1-14.	0.3	22
79	Hyers-Ulam stability of first order linear partial differential equations with constant coefficients. Mathematical Inequalities and Applications, 2007, , 261-266.	0.1	20
80	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
81	A characterization of isometries on an open convex set. Bulletin of the Brazilian Mathematical Society, 2006, 37, 351-359.	0.3	1
82	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
83	Hyers-Ulam stability of linear differential equations of first order, III. Journal of Mathematical Analysis and Applications, 2005, 311, 139-146.	0.5	121
84	Inequalities for distances between points and distance preserving mappings. Nonlinear Analysis: Theory, Methods & Applications, 2005, 62, 675-681.	0.6	5
85	Mappings preserving regular hexahedrons. International Journal of Mathematics and Mathematical Sciences, 2005, 2005, 3511-3515.	0.3	0
86	Unit-circle-preserving mappings. International Journal of Mathematics and Mathematical Sciences, 2004, 2004, 3577-3586.	0.3	2
87	On some congruence with application to exponential sums. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2004, 114, 1-6.	0.2	0
88	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
89	ON DISTANCE-PRESERVING MAPPINGS. Journal of the Korean Mathematical Society, 2004, 41, 667-680.	0.4	8
90	HYERS-ULAM-RASSIAS STABILITY OF THE BANACH SPACE VALUED LINEAR DIFFERENTIAL EQUATIONS $y \in \hat{y}$. Journal of the Korean Mathematical Society, 2004, 41, 995-1005.	0.4	68

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91	Some functional equations originating from number theory. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2003, 113, 91-98.	0.2	13
92	Asymptotic properties of isometries. Journal of Mathematical Analysis and Applications, 2002, 276, 642-653.	0.5	7
93	A functional equation characterizing cubic polynomials and its stability. International Journal of Mathematics and Mathematical Sciences, 2001, 27, 301-307.	0.3	1
94	The Stability of the Wigner Equation on a Restricted Domain. Journal of Mathematical Analysis and Applications, 2001, 254, 309-320.	0.5	16
95	Stability of the Quadratic Equation of Pexider Type. Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg, 2000, 70, 175-190.	0.2	54
96	Stability of generalized additive Cauchy equations. International Journal of Mathematics and Mathematical Sciences, 2000, 24, 721-727.	0.3	1
97	Quadratic functional equations of Pexider type. International Journal of Mathematics and Mathematical Sciences, 2000, 24, 351-359.	0.3	20
98	ON THE STABILITY OF A MEAN VALUE TYPE FUNCTIONAL EQUATION. Demonstratio Mathematica, 2000, 33, .	0.6	3
99	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
100	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
101	Hyers-Ulam-Rassias stability of Jensen's equation and its application. Proceedings of the American Mathematical Society, 1998, 126, 3137-3143.	0.4	146
102	On a modified Hyers-Ulam stability of homogeneous equation. International Journal of Mathematics and Mathematical Sciences, 1998, 21, 475-478.	0.3	2
103	On the Hyers-Ulam-Rassias Stability of Approximately Additive Mappings. Journal of Mathematical Analysis and Applications, 1996, 204, 221-226.	0.5	91
104	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