Wa ZÃºÃ±iga-Galindo

List of Publications by Year
in descending order

49 papers	591 citations	567281 15 h-index	713466 21 g-index
53 all docs	53 docs citations	53 times ranked	64 citing authors

#	Article	IF	Citations
1	p-adic Cellular Neural Networks. Journal of Nonlinear Mathematical Physics, 2023, 30, 34-70.	1.3	6
2	Graphs, local zeta functions, log-Coulomb gases, and phase transitions at finite temperature. Journal of Mathematical Physics, 2022, 63, .	1.1	3
3	Euclidean quantum field formulation of p-adic open string amplitudes. Nuclear Physics B, 2022, 975, 115684.	2.5	2
4	Ultrametric diffusion, rugged energy landscapes and transition networks. Physica A: Statistical Mechanics and Its Applications, 2022, 597, 127221.	2.6	2
5	Non-Archimedean statistical field theory. Reviews in Mathematical Physics, 2022, 34, .	1.7	5
6	Eigen€™s paradox and the quasispecies model in a non-Archimedean framework. Physica A: Statistical Mechanics and Its Applications, 2022, , 127648.	2.6	5
7	Introduction: Advancing Non-Archimedean Mathematics. STEAM-H: Science, Technology, Engineering, Agriculture, Mathematics & Health, 2021, , 1-7.	0.0	0
8	Non-Archimedean Models of Morphogenesis. STEAM-H: Science, Technology, Engineering, Agriculture, Mathematics & Health, 2021, , 255-274.	0.0	0
9	Non-Archimedean Coulomb gases. Journal of Mathematical Physics, 2020, 61, 013504.	1.1	14
10	p-Adic open string amplitudes with Chan-Paton factors coupled to a constant B-field. Nuclear Physics B, 2020, 951, 114904.	2.5	19
11	Meromorphic continuation of Koba-Nielsen string amplitudes. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
12	Reaction-diffusion equations on complex networks and Turing patterns, via p-adic analysis. Journal of Mathematical Analysis and Applications, 2020, 491, 124239.	1.0	9
13	Construction of p-Adic Covariant Quantum Fields in the Framework of White Noise Analysis. Reports on Mathematical Physics, 2019, 84, 1-34.	0.8	10
14	Regularization of p-adic string amplitudes, and multivariate local zeta functions. Letters in Mathematical Physics, 2019, 109, 1167-1204.	1.1	17
15	Acausal quantum theory for non-Archimedean scalar fields. Reviews in Mathematical Physics, 2019, 31, 1950011.	1.7	9
16	Ultrametric Diffusion, Exponential Landscapes, and the First Passage Time Problem. Acta Applicandae Mathematicae, 2018, 157, 93-116.	1.0	22
17	Non-Archimedean Pseudodifferential Operators and Feller Semigroups. P-Adic Numbers, Ultrametric Analysis, and Applications, 2018, 10, 57-73.	0.4	13
18	Heat Traces and Spectral Zeta Functions for p-adic Laplacians. St Petersburg Mathematical Journal, 2018, 29, 529-544.	0.4	2

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19	Non-Archimedean replicator dynamics and Eigen's paradox. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 505601.	2.1	7
20	On p-adic string amplitudes in the limit p approaches to one. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
21	Non-Archimedean reaction-ultradiffusion equations and complex hierarchic systems. Nonlinearity, 2018, 31, 2590-2616.	1.4	15
22	Non-Archimedean White Noise, Pseudodifferential Stochastic Equations, and Massive Euclidean Fields. Journal of Fourier Analysis and Applications, 2017, 23, 288-323.	1.0	20
23	Zeta functions and oscillatory integrals for meromorphic functions. Advances in Mathematics, 2017, 311, 295-337.	1.1	12
24	Local zeta functions, pseudodifferential operators and Sobolev-type spaces over non-Archimedean local fields. P-Adic Numbers, Ultrametric Analysis, and Applications, 2017, 9, 314-335.	0.4	2
25	Fundamental Solutions for Pseudodifferential Operators, and Equations of Schrödinger Type. Lecture Notes in Mathematics, 2016, , 127-143.	0.2	0
26	Pseudodifferential Equations of Klein-Gordon Type. Lecture Notes in Mathematics, 2016, , 145-165.	0.2	0
27	p-Adic Analysis: Essential Ideas and Results. Lecture Notes in Mathematics, 2016, , 1-11.	0.2	1
28	Final Remarks and Some Open Problems. Lecture Notes in Mathematics, 2016, , 167-170.	0.2	0
29	Non-Archimedean Parabolic-Type Equations with Variable Coefficients. Lecture Notes in Mathematics, 2016, , 43-77.	0.2	0
30	Parabolic-Type Equations and Markov Processes on Adeles. Lecture Notes in Mathematics, 2016, , 79-125.	0.2	0
31	Parabolic-Type Equations and Markov Processes. Lecture Notes in Mathematics, 2016, , 13-41.	0.2	0
32	The Non-Archimedean Stochastic Heat Equation Driven by Gaussian Noise. Journal of Fourier Analysis and Applications, 2015, 21, 600-627.	1.0	21
33	p-Adic elliptic quadratic forms, parabolic-type pseudodifferential equations with variable coefficients and Markov processes. P-Adic Numbers, Ultrametric Analysis, and Applications, 2014, 6, 1-20.	0.4	18
34	The Cauchy problem for non-Archimedean pseudodifferential equations of Klein–Gordon type. Journal of Mathematical Analysis and Applications, 2014, 420, 1033-1050.	1.0	13
35	Parabolic Type Equations and Markov Stochastic Processes on Adeles. Journal of Fourier Analysis and Applications, 2013, 19, 792-835.	1.0	23
36	Riesz kernels and pseudodifferential operators attached to quadratic forms over p-adic fields. P-Adic Numbers, Ultrametric Analysis, and Applications, 2013, 5, 177-193.	0.4	6

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37	Poles of Archimedean zeta functions for analytic mappings. Journal of the London Mathematical Society, 2013, 87, 1-21.	1.0	4
38	Nonlocal operators, parabolic-type equations, and ultrametric random walks. Journal of Mathematical Physics, 2013, 54, 113503.	1.1	28
39	Pseudo-differential operators with semi-quasielliptic symbols over p-adic fields. Journal of Mathematical Analysis and Applications, 2012, 386, 32-49.	1.0	17
40	Local zeta functions and fundamental solutions for pseudo-differential operators over p-adic fields. P-Adic Numbers, Ultrametric Analysis, and Applications, 2011, 3, 344-358.	0.4	7
41	Elliptic pseudodifferential equations and Sobolev spaces over *p*-adic fields. Pacific Journal of Mathematics, 2010, 246, 407-420.	0.5	16
42	Parabolic Equations and Markov Processes Over p-Adic Fields. Potential Analysis, 2008, 28, 185-200.	0.9	56
43	Decay of Solutions of Wave-type Pseudo-differential Equations over p-adic Fields. Publications of the Research Institute for Mathematical Sciences, 2006, 42, 461-479.	0.8	5
44	Local zeta function for nondegenerate homogeneous mappings. Pacific Journal of Mathematics, 2005, 218, 187-200.	0.5	5
45	ON THE POLES OF IGUSA'S LOCAL ZETA FUNCTION FOR ALGEBRAIC SETS. Bulletin of the London Mathematical Society, 2004, 36, 310-320.	0.8	7
46	Pseudo-differential equations connected with p-adic forms and local zeta functions. Bulletin of the Australian Mathematical Society, 2004, 70, 73-86.	0.5	22
47	Local zeta functions and Newton polyhedra. Nagoya Mathematical Journal, 2003, 172, 31-58.	0.8	18
48	Igusa's local zeta functions of semiquasihomogeneous polynomials. Transactions of the American Mathematical Society, 2001, 353, 3193-3208.	0.9	23
49	Local Zeta Functions Supported on Analytic Submanifolds and Newton Polyhedra. International Mathematics Research Notices, 0, , .	1.0	5