

# Wa ZÃ±iga-Galindo

## List of Publications by Year in descending order

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49  
papers

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citations

567281

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Parabolic Equations and Markov Processes Over p-Adic Fields. <i>Potential Analysis</i> , 2008, 28, 185-200.	0.9	56
2	Nonlocal operators, parabolic-type equations, and ultrametric random walks. <i>Journal of Mathematical Physics</i> , 2013, 54, 113503.	1.1	28
3	Igusa's local zeta functions of semiquasihomogeneous polynomials. <i>Transactions of the American Mathematical Society</i> , 2001, 353, 3193-3208.	0.9	23
4	Parabolic Type Equations and Markov Stochastic Processes on Adeles. <i>Journal of Fourier Analysis and Applications</i> , 2013, 19, 792-835.	1.0	23
5	Pseudo-differential equations connected with p-adic forms and local zeta functions. <i>Bulletin of the Australian Mathematical Society</i> , 2004, 70, 73-86.	0.5	22
6	Ultrametric Diffusion, Exponential Landscapes, and the First Passage Time Problem. <i>Acta Applicandae Mathematicae</i> , 2018, 157, 93-116.	1.0	22
7	The Non-Archimedean Stochastic Heat Equation Driven by Gaussian Noise. <i>Journal of Fourier Analysis and Applications</i> , 2015, 21, 600-627.	1.0	21
8	Non-Archimedean White Noise, Pseudodifferential Stochastic Equations, and Massive Euclidean Fields. <i>Journal of Fourier Analysis and Applications</i> , 2017, 23, 288-323.	1.0	20
9	p-Adic open string amplitudes with Chan-Paton factors coupled to a constant B-field. <i>Nuclear Physics B</i> , 2020, 951, 114904.	2.5	19
10	Local zeta functions and Newton polyhedra. <i>Nagoya Mathematical Journal</i> , 2003, 172, 31-58.	0.8	18
11	p-Adic elliptic quadratic forms, parabolic-type pseudodifferential equations with variable coefficients and Markov processes. <i>P-Adic Numbers, Ultrametric Analysis, and Applications</i> , 2014, 6, 1-20.	0.4	18
12	Pseudo-differential operators with semi-quasielliptic symbols over p-adic fields. <i>Journal of Mathematical Analysis and Applications</i> , 2012, 386, 32-49.	1.0	17
13	Regularization of p-adic string amplitudes, and multivariate local zeta functions. <i>Letters in Mathematical Physics</i> , 2019, 109, 1167-1204.	1.1	17
14	Elliptic pseudodifferential equations and Sobolev spaces over $p$ -adic fields. <i>Pacific Journal of Mathematics</i> , 2010, 246, 407-420.	0.5	16
15	Non-Archimedean reaction-ultradiffusion equations and complex hierarchic systems. <i>Nonlinearity</i> , 2018, 31, 2590-2616.	1.4	15
16	Non-Archimedean Coulomb gases. <i>Journal of Mathematical Physics</i> , 2020, 61, 013504.	1.1	14
17	The Cauchy problem for non-Archimedean pseudodifferential equations of Klein-Gordon type. <i>Journal of Mathematical Analysis and Applications</i> , 2014, 420, 1033-1050.	1.0	13
18	Non-Archimedean Pseudodifferential Operators and Feller Semigroups. <i>P-Adic Numbers, Ultrametric Analysis, and Applications</i> , 2018, 10, 57-73.	0.4	13

#	ARTICLE	IF	CITATIONS
19	On p-adic string amplitudes in the limit p approaches to one. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
20	Zeta functions and oscillatory integrals for meromorphic functions. Advances in Mathematics, 2017, 311, 295-337.	1.1	12
21	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
22	Acausal quantum theory for non-Archimedean scalar fields. Reviews in Mathematical Physics, 2019, 31, 1950011.	1.7	9
23	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
24	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
25	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
26	Non-Archimedean replicator dynamics and Eigenâ€™s paradox. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 505601.	2.1	7
27	Meromorphic continuation of Koba-Nielsen string amplitudes. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
28	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
29	p-adic Cellular Neural Networks. Journal of Nonlinear Mathematical Physics, 2023, 30, 34-70.	1.3	6
30	Decay of Solutions of Wave-type Pseudo-differential Equations over $\mathbb{S}$ -adic Fields. Publications of the Research Institute for Mathematical Sciences, 2006, 42, 461-479.	0.8	5
31	Local Zeta Functions Supported on Analytic Submanifolds and Newton Polyhedra. International Mathematics Research Notices, 0, , .	1.0	5
32	Local zeta function for nondegenerate homogeneous mappings. Pacific Journal of Mathematics, 2005, 218, 187-200.	0.5	5
33	Non-Archimedean statistical field theory. Reviews in Mathematical Physics, 2022, 34, .	1.7	5
34	Eigenâ€™s paradox and the quasispecies model in a non-Archimedean framework. Physica A: Statistical Mechanics and Its Applications, 2022, , 127648.	2.6	5
35	Poles of Archimedean zeta functions for analytic mappings. Journal of the London Mathematical Society, 2013, 87, 1-21.	1.0	4
36	Graphs, local zeta functions, log-Coulomb gases, and phase transitions at finite temperature. Journal of Mathematical Physics, 2022, 63, .	1.1	3

#	ARTICLE	IF	CITATIONS
37	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
38	Heat Traces and Spectral Zeta Functions for $p$ -adic Laplacians. St Petersburg Mathematical Journal, 2018, 29, 529-544.	0.4	2
39	Euclidean quantum field formulation of p-adic open string amplitudes. Nuclear Physics B, 2022, 975, 115684.	2.5	2
40	Ultrametric diffusion, rugged energy landscapes and transition networks. Physica A: Statistical Mechanics and Its Applications, 2022, 597, 127221.	2.6	2
41	p-Adic Analysis: Essential Ideas and Results. Lecture Notes in Mathematics, 2016, , 1-11.	0.2	1
42	Fundamental Solutions for Pseudodifferential Operators, and Equations of SchrÃ¶dinger Type. Lecture Notes in Mathematics, 2016, , 127-143.	0.2	0
43	Pseudodifferential Equations of Klein-Gordon Type. Lecture Notes in Mathematics, 2016, , 145-165.	0.2	0
44	Final Remarks and Some Open Problems. Lecture Notes in Mathematics, 2016, , 167-170.	0.2	0
45	Non-Archimedean Parabolic-Type Equations with Variable Coefficients. Lecture Notes in Mathematics, 2016, , 43-77.	0.2	0
46	Parabolic-Type Equations and Markov Processes on Adeles. Lecture Notes in Mathematics, 2016, , 79-125.	0.2	0
47	Parabolic-Type Equations and Markov Processes. Lecture Notes in Mathematics, 2016, , 13-41.	0.2	0
48	Introduction: Advancing Non-Archimedean Mathematics. STEAM-H: Science, Technology, Engineering, Agriculture, Mathematics & Health, 2021, , 1-7.	0.0	0
49	Non-Archimedean Models of Morphogenesis. STEAM-H: Science, Technology, Engineering, Agriculture, Mathematics & Health, 2021, , 255-274.	0.0	0