

Rolando Rebolledo

List of Publications by Year in descending order

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55
papers

969
citations

471509

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454955

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59
all docs

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docs citations

59
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	Central limit theorems for local martingales. Zeitschrift für Wahrscheinlichkeitstheorie Und Verwandte Gebiete, 1980, 51, 269-286.	0.8	179
2	Principles for modelling financial markets. Journal of Applied Probability, 1996, 33, 601-613.	0.7	80
3	Subharmonic projections for a quantum Markov semigroup. Journal of Mathematical Physics, 2002, 43, 1074-1082.	1.1	64
4	On the existence of stationary states for quantum dynamical semigroups. Journal of Mathematical Physics, 2001, 42, 1296.	1.1	52
5	Quantum flows associated to master equations in quantum optics. Journal of Mathematical Physics, 1994, 35, 1-12.	1.1	50
6	Transience and recurrence of quantum Markov semigroups. Probability Theory and Related Fields, 2003, 126, 289-306.	1.8	39
7	On non-Markovian Time Evolution in Open Quantum Systems. Open Systems and Information Dynamics, 2007, 14, 265-274.	1.2	36
8	THE DECOHERENCE-FREE SUBALGEBRA OF A QUANTUM MARKOV SEMIGROUP WITH UNBOUNDED GENERATOR. Infinite Dimensional Analysis, Quantum Probability and Related Topics, 2010, 13, 413-433.	0.5	36
9	On the Structure of Generators for Non-Markovian Master Equations. Open Systems and Information Dynamics, 2009, 16, 259-268.	1.2	33
10	La méthode des martingales appliquée à l'étude de la convergence en loi de processus. Mémoires De La Société Mathématique De France, 1979, 1, 1-125.	0.4	33
11	ALGEBRAIC CONDITIONS FOR CONVERGENCE OF A QUANTUM MARKOV SEMIGROUP TO A STEADY STATE. Infinite Dimensional Analysis, Quantum Probability and Related Topics, 2008, 11, 467-474.	0.5	32
12	Basic properties of nonlinear stochastic Schrödinger equations driven by Brownian motions. Annals of Applied Probability, 2008, 18, .	1.3	32
13	The Approach to Equilibrium of a Class of Quantum Dynamical Semigroups. Infinite Dimensional Analysis, Quantum Probability and Related Topics, 1998, 01, 561-572.	0.5	31
14	Entropy Production for Quantum Markov Semigroups. Communications in Mathematical Physics, 2015, 335, 547-570.	2.2	26
15	Decoherence of quantum Markov semigroups. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2005, 41, 349-373.	1.1	25
16	On Completely Positive Non-Markovian Evolution of a d-Level System. Open Systems and Information Dynamics, 2008, 15, 135-141.	1.2	25
17	REGULARITY OF SOLUTIONS TO LINEAR STOCHASTIC SCHRÖDINGER EQUATIONS. Infinite Dimensional Analysis, Quantum Probability and Related Topics, 2007, 10, 237-259.	0.5	17
18	An Open-System Approach to Complex Biological Networks. SIAM Journal on Applied Mathematics, 2019, 79, 619-640.	1.8	17

#	ARTICLE	IF	CITATIONS
19	Lectures on the Qualitative Analysis of Quantum Markov Semigroups. QP-PQ, Quantum Probability and White Noise Analysis, 2002, , 197-239.	0.1	17
20	Weak convergence of semimartingales and discretisation methods. Stochastic Processes and Their Applications, 1985, 20, 41-58.	0.9	15
21	Decoherence free subspaces of a quantum Markov semigroup. Journal of Mathematical Physics, 2014, 55, .	1.1	15
22	A View on Decoherence Via Master Equations. Open Systems and Information Dynamics, 2005, 12, 37-54.	1.2	9
23	On the proportional abundance of species: Integrating population genetics and community ecology. Scientific Reports, 2017, 7, 16815.	3.3	9
24	Quantum Markov Semigroups and their Stationary States. , 2003, , 77-128.		9
25	Entropy Production and Detailed Balance for a Class of Quantum Markov Semigroups. Open Systems and Information Dynamics, 2015, 22, 1550013.	1.2	8
26	FROM CLASSICAL TO QUANTUM ENTROPY PRODUCTION. , 2010, , .		7
27	Principles for modelling financial markets. Journal of Applied Probability, 1996, 33, 601-613.	0.7	6
28	Reconstructing ecological networks with noisy dynamics. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190739.	2.1	5
29	Pricing via anticipative stochastic calculus. Advances in Applied Probability, 1994, 26, 1006-1021.	0.7	4
30	Coexistence, dispersal and spatial structure in metacommunities: a stochastic model approach. Theoretical Ecology, 2021, 14, 279-302.	1.0	4
31	Unraveling open quantum systems: classical reductions and classical dilations of quantum markov semigroups. Confluentes Mathematici, 2009, 1, 123-167.	0.2	3
32	Topologie faible et meta-stabilite. Lecture Notes in Mathematics, 1987, , 544-562.	0.2	3
33	OPEN QUANTUM SYSTEMS AND CLASSICAL TRAJECTORIES. , 2004, , .		3
34	Sur les semigroupes dynamiques quantiques. Annales Mathematiques Blaise Pascal, 1996, 3, 125-142.	0.1	3
35	Diffusion processes associated to a laser model. Journal of Mathematical Physics, 1992, 33, 826-831.	1.1	2
36	Contiguity of States and Super Wave Operators. Open Systems and Information Dynamics, 2019, 26, 1950002.	1.2	2

#	ARTICLE	IF	CITATIONS
37	Evolving Systems of Stochastic Differential Equations. Journal of Theoretical Probability, 2022, 35, 1662-1705.	0.8	2
38	A random field approach to weak convergence of processes. Statistics and Probability Letters, 1993, 18, 49-55.	0.7	1
39	Stochastic modeling of street lamps operation. IEEE Transactions on Power Systems, 1996, 11, 1482-1488.	6.5	1
40	Decomposition de martingales locales et rarefaction des sauts. Lecture Notes in Mathematics, 1979, , 138-146.	0.2	1
41	ON NON-MARKOVIAN TIME EVOLUTION IN OPEN QUANTUM SYSTEMS. , 2008, , .		1
42	Complete Positivity and Open Quantum Systems. , 2001, , 101-132.		1
43	Adiabatic limits and quantum decoherence. , 2007, , .		1
44	Pseudotrajectories and stability problems for stochastic dynamical systems. Lecture Notes in Mathematics, 1989, , 360-380.	0.2	0
45	ON COMPLETELY POSITIVE NON-MARKOVIAN EVOLUTION OF A D-LEVEL SYSTEM. , 2009, , .		0
46	Can One Validly Use Classical Statistical Inference in Open Quantum Systems?. Open Systems and Information Dynamics, 2010, 17, 311-330.	1.2	0
47	Measurements and Consistent Families of Quantum Channels. Open Systems and Information Dynamics, 2011, 18, 235-251.	1.2	0
48	On a Class of Non-Markovian Langevin Equations. Open Systems and Information Dynamics, 2013, 20, 1350016.	1.2	0
49	A Semigroup Approach to Fractional Poisson Processes. Complex Analysis and Operator Theory, 2018, 12, 777-785.	0.6	0
50	The Wave Map of Feller Semigroups. , 2000, , 109-121.		0
51	Cosine and Gaussian transforms. Communications on Stochastic Analysis, 2010, 4, .	0.1	0
52	THE DECOHERENCE-FREE SUBALGEBRA OF A QUANTUM MARKOV SEMIGROUP ON $\mathcal{B}(\mathfrak{h})$. , 2011, , .		0
53	Equilibrium Analysis of a Dissipative Fermion System. , 2012, , 277-299.		0
54	Sobre la construcción de sistemas estocásticos de partículas y problemas de martingalas. Proyecciones, 1986, 5, 17-56.	0.3	0

#	ARTICLE	IF	CITATIONS
55	Les "principes d'invariance" en probabilit� sur l'espace de Wiener. Lecture Notes in Mathematics, 1992, , 501-504.	0.2	0