

Carlangelo Liverani

List of Publications by Year in descending order

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60
papers

2,454
citations

218677

26
h-index

197818

49
g-index

61
all docs

61
docs citations

61
times ranked

575
citing authors

#	ARTICLE	IF	CITATIONS
1	Locating Ruelle–Pollicott resonances*. <i>Nonlinearity</i> , 2022, 35, 513-566.	1.4	2
2	Edgeworth expansions for weakly dependent random variables. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2021, 57, .	1.1	15
3	Mixing rates for symplectic almost Anosov maps. <i>Nonlinearity</i> , 2021, 34, 3709-3731.	1.4	1
4	Parabolic dynamics and anisotropic Banach spaces. <i>Journal of the European Mathematical Society</i> , 2019, 21, 2793-2858.	1.4	13
5	Exponential decay of correlations for finite horizon Sinai billiard flows. <i>Inventiones Mathematicae</i> , 2018, 211, 39-177.	2.5	45
6	Limit theorems for fast–slow partially hyperbolic systems. <i>Inventiones Mathematicae</i> , 2018, 213, 811-1016.	2.5	15
7	Spectral properties of integral operators in bounded, large intervals. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 450, 330-350.	1.0	1
8	Fast–Slow Partially Hyperbolic Systems Versus Freidlin–Wentzell Random Systems. <i>Journal of Statistical Physics</i> , 2017, 166, 650-679.	1.2	6
9	Statistical properties of mostly contracting fast-slow partially hyperbolic systems. <i>Inventiones Mathematicae</i> , 2016, 206, 147-227.	2.5	14
10	Mixing for Some Non-Uniformly Hyperbolic Systems. <i>Annales Henri Poincare</i> , 2016, 17, 179-226.	1.7	14
11	Green-Kubo Formula for Weakly Coupled Systems with Noise. <i>Communications in Mathematical Physics</i> , 2015, 334, 1377-1412.	2.2	14
12	Anosov flows and dynamical zeta functions. <i>Annals of Mathematics</i> , 2013, 178, 687-773.	4.2	59
13	Multidimensional expanding maps with singularities: a pedestrian approach. <i>Ergodic Theory and Dynamical Systems</i> , 2013, 33, 168-182.	0.6	22
14	A footnote on expanding maps. <i>Discrete and Continuous Dynamical Systems</i> , 2013, 33, 3741-3751.	0.9	3
15	Robustly invariant sets in fiber contracting bundle flows. <i>Journal of Modern Dynamics</i> , 2013, 7, 255-267.	0.5	10
16	Toward the Fourier law for a weakly interacting anharmonic crystal. <i>Journal of the American Mathematical Society</i> , 2012, 25, 555-583.	3.9	18
17	Exponential Decay of Correlations for Piecewise Cone Hyperbolic Contact Flows. <i>Communications in Mathematical Physics</i> , 2012, 314, 689-773.	2.2	37
18	Energy Transfer in a Fast-Slow Hamiltonian System. <i>Communications in Mathematical Physics</i> , 2011, 308, 201-225.	2.2	34

#	ARTICLE	IF	CITATIONS
19	Mini-Workshop: Spectrum of Transfer Operators – Recent Developments and Applications. Oberwolfach Reports, 2010, 6, 2699-2730.	0.0	0
20	On the work and vision of Dmitry Dolgopyat. Journal of Modern Dynamics, 2010, 4, 211-225.	0.5	1
21	Rare Events, Escape Rates and Quasistationarity: Some Exact Formulae. Journal of Statistical Physics, 2009, 135, 519-534.	1.2	84
22	Map Lattices Coupled by Collisions. Communications in Mathematical Physics, 2009, 291, 591-597.	2.2	8
23	Non-perturbative approach to random walk in markovian environment. Electronic Communications in Probability, 2009, 14, .	0.4	13
24	Quenched CLT for random toral automorphism. Discrete and Continuous Dynamical Systems, 2009, 24, 331-348.	0.9	29
25	Stability of statistical properties in two-dimensional piecewise hyperbolic maps. Transactions of the American Mathematical Society, 2008, 360, 4777-4814.	0.9	67
26	Random walk in Markovian environment. Annals of Probability, 2008, 36, .	1.8	42
27	Compact locally maximal hyperbolic sets for smooth maps: fine statistical properties. Journal of Differential Geometry, 2008, 79, .	1.1	63
28	Random Classical Fidelity. Journal of Statistical Physics, 2007, 128, 1079-1091.	1.2	6
29	Smooth Anosov flows: Correlation spectra and stability. Journal of Modern Dynamics, 2007, 1, 301-322.	0.5	111
30	Banach spaces adapted to Anosov systems. Ergodic Theory and Dynamical Systems, 2006, 26, 189.	0.6	171
31	Uniqueness of the SRB Measure for Piecewise Expanding Weakly Coupled Map Lattices in Any Dimension. Communications in Mathematical Physics, 2006, 262, 33-50.	2.2	33
32	Zeta functions and dynamical systems. Nonlinearity, 2006, 19, 2467-2473.	1.4	19
33	Convergence to Equilibrium for Intermittent Symplectic Maps. Communications in Mathematical Physics, 2005, 260, 527-556.	2.2	12
34	Fredholm determinants, Anosov maps and Ruelle resonances. Discrete and Continuous Dynamical Systems, 2005, 13, 1203-1215.	0.9	31
35	Statistical Properties of Disordered Quantum Systems. , 2004, , 123-141.		2
36	On contact Anosov flows. Annals of Mathematics, 2004, 159, 1275-1312.	4.2	167

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37	Coupled map lattices without cluster expansion. <i>Discrete and Continuous Dynamical Systems</i> , 2004, 11, 325-335.	0.9	8
38	Ergodic Properties of a Model Related to Disordered Quantum Anharmonic Crystals. <i>Communications in Mathematical Physics</i> , 2003, 235, 169-189.	2.2	3
39	Applications de type Lasota-Yorke $\tilde{\Lambda}$ trou : mesure de probabilit� conditionnellement invariante et mesure de probabilit� invariante sur l'ensemble des survivants. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2003, 39, 385-412.	1.1	50
40	Anosov diffeomorphisms and coupling. <i>Ergodic Theory and Dynamical Systems</i> , 2002, 22, .	0.6	14
41	Ruelle-Perron-Frobenius spectrum for Anosov maps. <i>Nonlinearity</i> , 2002, 15, 1905-1973.	1.4	158
42	Rigorous numerical investigation of the statistical properties of piecewise expanding maps. A feasibility study. <i>Nonlinearity</i> , 2001, 14, 463-490.	1.4	59
43	Ergodic Properties for a Quantum Nonlinear Dynamics. <i>Journal of Statistical Physics</i> , 1999, 97, 957-1009.	1.2	6
44	A probabilistic approach to intermittency. <i>Ergodic Theory and Dynamical Systems</i> , 1999, 19, 671-685.	0.6	238
45	Conformally Symplectic Dynamics and Symmetry of the Lyapunov Spectrum. <i>Communications in Mathematical Physics</i> , 1998, 194, 47-60.	2.2	63
46	Conformal measure and decay of correlation for covering weighted systems. <i>Ergodic Theory and Dynamical Systems</i> , 1998, 18, 1399-1420.	0.6	50
47	Flows, random perturbations and rate of mixing. <i>Ergodic Theory and Dynamical Systems</i> , 1998, 18, 1421-1446.	0.6	8
48	Reversibility in Infinite Hamiltonian Systems with Conservative Noise. <i>Communications in Mathematical Physics</i> , 1997, 189, 481-496.	2.2	9
49	Ergodicity in infinite Hamiltonian systems with conservative noise. <i>Probability Theory and Related Fields</i> , 1996, 106, 401-445.	1.8	7
50	Decay of correlations for piecewise expanding maps. <i>Journal of Statistical Physics</i> , 1995, 78, 1111-1129.	1.2	91
51	Decay of Correlations. <i>Annals of Mathematics</i> , 1995, 142, 239.	4.2	223
52	Ergodicity in Hamiltonian Systems. <i>Dynamics Reported</i> , 1995, , 130-202.	0.6	63
53	Generalization of the Hilbert metric to the space of positive definite matrices. <i>Pacific Journal of Mathematics</i> , 1994, 166, 339-355.	0.5	36
54	Ergodic systems ofn balls in a billiard table. <i>Communications in Mathematical Physics</i> , 1992, 146, 357-396.	2.2	53

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55	Potentials on the two-torus for which the Hamiltonian flow is ergodic. Communications in Mathematical Physics, 1991, 135, 267-302.	2.2	63
56	Dissipative quantum dynamics in a boson bath. Physical Review B, 1989, 40, 4664-4682.	3.2	31
57	Quantum system in contact with a thermal environment: Rigorous treatment of a simple model. Communications in Mathematical Physics, 1988, 120, 195-231.	2.2	20
58	Improved KAM estimates for the Siegel radius. Journal of Statistical Physics, 1986, 45, 1071-1086.	1.2	8
59	Approximate solutions of the KdV equation from perturbation expansions. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÀ Italiana Di Fisica, 1981, 30, 9-12.	0.4	2
60	Anosov diffeomorphisms, anisotropic BV spaces and regularity of foliations. Ergodic Theory and Dynamical Systems, 0, , 1-37.	0.6	3