Marcelo Viana

List of Publications by Year
in descending order

55	2,436	279798	243625
papers	citations	23	44
		h-index	g-index

62	62	62	475
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Absolute continuity, Lyapunov exponents, and rigidity II: systems with compact center leaves. Ergodic Theory and Dynamical Systems, 2022, 42, 437-490.	0.6	8
2	Maximal entropy measures of diffeomorphisms of circle fiber bundles. Journal of the London Mathematical Society, 2021, 103, 1016-1034.	1.0	2
3	Partially volume expanding diffeomorphisms. Annales Henri Poincare, 2021, 22, 331-346.	1.7	1
4	Moduli of continuity for the Lyapunov exponents of random ??(2)-cocycles. Transactions of the American Mathematical Society, 2020, 373, 1343-1383.	0.9	8
5	(Dis)continuity of Lyapunov exponents. Ergodic Theory and Dynamical Systems, 2020, 40, 577-611.	0.6	9
6	Continuity of Lyapunov exponents in the C0 topology. Israel Journal of Mathematics, 2019, 229, 461-485.	0.8	11
7	Simple Lyapunov spectrum for certain linear cocycles over partially hyperbolic maps. Nonlinearity, 2019, 32, 238-284.	1.4	5
8	Continuity of Lyapunov exponents for random two-dimensional matrices. Ergodic Theory and Dynamical Systems, 2017, 37, 1413-1442.	0.6	24
9	Equilibrium states for hyperbolic potentials. Nonlinearity, 2017, 30, 825-847.	1.4	11
10	Geometric and Measure-Theoretical Structures of Maps with Mostly Contracting Center. Communications in Mathematical Physics, 2016, 341, 991-1014.	2.2	24
11	Absolute continuity, Lyapunov exponents and rigidity I: geodesic flows. Journal of the European Mathematical Society, 2015, 17, 1435-1462.	1.4	29
12	Lyapunov exponents of linear cocycles over Markov shifts. Stochastics and Dynamics, 2015, 15, 1550020.	1.2	14
13	Physical measures and absolute continuity for one-dimensional center direction. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2013, 30, 845-877.	1.4	35
14	The entropy conjecture for diffeomorphisms away from tangencies. Journal of the European Mathematical Society, 2013, 15, 2043-2060.	1.4	41
15	Extremal Lyapunov exponents: anÂinvariance principle and applications. Inventiones Mathematicae, 2010, 181, 115-178.	2.5	91
16	Existence, uniqueness and stability of equilibrium states for non-uniformly expanding maps. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2010, 27, 555-593.	1.4	46
17	Invariant measures for interval maps with critical points and singularities. Advances in Mathematics, 2009, 221, 1428-1444.	1.1	9
18	Thermodynamical formalism for robust classes of potentials and non-uniformly hyperbolic maps. Ergodic Theory and Dynamical Systems, 2008, 28, 501-533.	0.6	28

#	Article	IF	Citations
19	Almost all cocycles over any hyperbolic system have nonvanishing Lyapunov exponents. Annals of Mathematics, 2008, 167, 643-680.	4.2	62
20	Simplicity of Lyapunov spectra: a sufficient criterion. Portugaliae Mathematica, 2007, 64, 311-376.	0.4	23
21	Simplicity of Lyapunov spectra: proof of the Zorich-Kontsevich conjecture. Acta Mathematica, 2007, 198, 1-56.	3.9	92
22	Random perturbations and statistical properties of HÃ©non-like maps. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2006, 23, 713-752.	1.4	24
23	Existence and uniqueness of maximizing measures for robust classes of local diffeomorphisms. Discrete and Continuous Dynamical Systems, 2006, 15, 225-236.	0.9	13
24	Hausdorff dimension for non-hyperbolic repellers II: DA diffeomorphisms. Discrete and Continuous Dynamical Systems, 2005, 13, 1125-1152.	0.9	11
25	The Lyapunov exponents of generic volume-preserving and symplectic maps. Annals of Mathematics, 2005, 161, 1423-1485.	4.2	140
26	Lyapunov exponents with multiplicity 1 for deterministic products of matrices. Ergodic Theory and Dynamical Systems, 2004, 24, 1295-1330.	0.6	55
27	Abundance of stable ergodicity. Commentarii Mathematici Helvetici, 2004, 79, 753-757.	0.7	19
28	Statistical stability for robust classes of maps with non-uniform expansion. Ergodic Theory and Dynamical Systems, 2002, 22, .	0.6	66
29	Uniform (projective) hyperbolicity or no hyperbolicity: A dichotomy for generic conservative maps. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2002, 19, 113-123.	1.4	23
30	Solution of the basin problem for HÃ©non-like attractors. Inventiones Mathematicae, 2001, 143, 375-434.	2.5	44
31	Homoclinic tangencies and fractal invariants in arbitrary dimension. Comptes Rendus Mathematique, 2001, 333, 475-480.	0.5	9
32	Hausdorff Dimension of Non-Hyperbolic Repellers. I: Maps with Holes. Journal of Statistical Physics, 2001, 105, 835-862.	1.2	5
33	Dynamical Systems: Moving into the Next Century. , 2001, , 1167-1178.		5
34	The intermittency route to chaotic dynamics. , 2001, , .		0
35	SRB measures for partially hyperbolic systems whose central direction is mostly expanding. Inventiones Mathematicae, 2000, 140, 351-398.	2.5	234
36	Whatâ€™s new on lorenz strange attractors?. Mathematical Intelligencer, 2000, 22, 6-19.	0.2	123

#	Article	IF	Citations
37	SRB measures for partially hyperbolic systems whose central direction is mostly contracting. Israel Journal of Mathematics, 2000, 115, 157-193.	0.8	209
38	SRB measures for partially hyperbolic systems whose central direction is mostly expanding. , 2000, , 443-490.		34
39	SRB measures for partially hyperbolic systems whose central direction is mostly expanding. , 2000, 140, 351.		1
40	Multidimensional nonhyperbolic attractors. Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques, 1997, 85, 63-96.	4.3	102
41	Strange attractors in saddle-node cycles: prevalence and globality. Inventiones Mathematicae, 1996, 125, 37-74.	2.5	49
42	Global attractors and bifurcations. , 1996, , 299-324.		3
43	Strong stochastic stability and rate of mixing for unimodal maps. Annales Scientifiques De L'Ecole Normale Superieure, 1996, 29, 483-517.	0.8	48
44	Homoclinic Bifurcations and Persistence of Nonuniformly Hyperbolic Attractors. , 1995, , 1221-1229.		3
45	Strange attractors in higher dimensions. Sociedade Brasileira De Matematica Boletim, Nova Serie, 1993, 24, 13-62.	0.2	67
46	Abundance of strange attractors. Acta Mathematica, 1993, 171, 1-71.	3.9	253
47	Discontinuity of Hausdorff dimension and limit capacity on arcs of diffeomorphisms. Ergodic Theory and Dynamical Systems, 1989, 9, 403-425.	0.6	10
48	Multiplicative ergodic theorem. , 0, , 38-66.		0
49	Linear cocycles. , 0, , 6-19.		0
50	Extremal Lyapunov exponents. , 0, , 20-37.		0
51	Stationary measures. , 0, , 67-95.		0
52	Invariance principle. , 0, , 115-132.		0
53	Generic cocycles. , 0, , 150-170.		0
54	Exponents and invariant measures. , 0, , 96-114.		0

#	ARTICLE	IF	CITATIONS
55	The intermittency route to chaotic dynamics. , 0, , .		2