

John Smillie

List of Publications by Year in descending order

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33
papers

1,329
citations

394421

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414414

32
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34
all docs

34
docs citations

34
times ranked

250
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperbolicity and quasi-hyperbolicity in polynomial diffeomorphisms of \mathbb{C}^2 . Pure and Applied Mathematics Quarterly, 2022, 18, 5-32.	0.4	0
2	Semi-parabolic Bifurcations in Complex Dimension Two. Communications in Mathematical Physics, 2017, 350, 1-29.	2.2	10
3	A symbolic characterization of the horseshoe locus in the Hénon family. Ergodic Theory and Dynamical Systems, 2017, 37, 1389-1412.	0.6	5
4	Beyond Sturmian sequences: coding linear trajectories in the regular octagon. Proceedings of the London Mathematical Society, 2011, 102, 291-340.	1.3	19
5	Characterizations of lattice surfaces. Inventiones Mathematicae, 2010, 180, 535-557.	2.5	37
6	Homotopy shadowing. American Journal of Mathematics, 2010, 132, 987-1029.	1.1	11
7	Trends and Developments in Complex Dynamics. Oberwolfach Reports, 2009, 5, 2703-2762.	0.0	0
8	Veech's dichotomy and the lattice property. Ergodic Theory and Dynamical Systems, 2008, 28, 1959.	0.6	8
9	Real polynomial diffeomorphisms with maximal entropy: II. Small Jacobian. Ergodic Theory and Dynamical Systems, 2006, 26, 1259.	0.6	25
10	Minimal sets for flows on moduli space. Israel Journal of Mathematics, 2004, 142, 249-260.	0.8	32
11	Real polynomial diffeomorphisms with maximal entropy: Tangencies. Annals of Mathematics, 2004, 160, 1-26.	4.2	58
12	Polynomial diffeomorphisms of \mathbb{C}^2 . VIII: quasi-expansion. American Journal of Mathematics, 2002, 124, 221-271.	1.1	19
13	Polynomial diffeomorphisms of \mathbb{C}^2 : VII. Hyperbolicity and external rays. Annales Scientifiques De L'Ecole Normale Supérieure, 1999, 32, 455-497.	0.8	28
14	Polynomial diffeomorphisms of \mathbb{C}^2 : V. critical points and Lyapunov exponents. Journal of Geometric Analysis, 1998, 8, 349.	1.0	25
15	Polynomial Diffeomorphisms of \mathbb{C}^2 : VI. Connectivity of J . Annals of Mathematics, 1998, 148, 695.	4.2	31
16	Polynomial diffeomorphisms of \mathbb{C}^2 . IV: The measure of maximal entropy and laminar currents. Inventiones Mathematicae, 1993, 112, 77-125.	2.5	127
17	Quadratic differentials with prescribed singularities and pseudo-Anosov diffeomorphisms. Commentarii Mathematici Helvetici, 1993, 68, 289-307.	0.7	51
18	Polynomial diffeomorphisms of \mathbb{C}^2 . Mathematische Annalen, 1992, 294, 395-420.	1.4	91

#	ARTICLE	IF	CITATIONS
19	Hausdorff Dimension of Sets of Nonergodic Measured Foliations. <i>Annals of Mathematics</i> , 1991, 134, 455.	4.2	114
20	Polynomial Diffeomorphisms of C^2 . II: Stable Manifolds and Recurrence. <i>Journal of the American Mathematical Society</i> , 1991, 4, 657.	3.9	20
21	Polynomial diffeomorphisms of \mathbb{A}^2 . II. Stable manifolds and recurrence. <i>Journal of the American Mathematical Society</i> , 1991, 4, 657-679.	3.9	59
22	Polynomial diffeomorphisms of C^2 : currents, equilibrium measure and hyperbolicity. <i>Inventiones Mathematicae</i> , 1991, 103, 69-99.	2.5	143
23	Title is missing!. <i>Indiana University Mathematics Journal</i> , 1991, 40, 789.	0.9	18
24	The entropy of polynomial diffeomorphisms of C^2 . <i>Ergodic Theory and Dynamical Systems</i> , 1990, 10, 823-827.	0.6	21
25	Rayleigh quotient iteration for nonsymmetric matrices. <i>Mathematics of Computation</i> , 1990, 55, 169-178.	2.1	18
26	Rayleigh quotient iteration fails for nonsymmetric matrices. <i>Applied Mathematics Letters</i> , 1989, 2, 19-20.	2.7	9
27	The Dynamics of Rayleigh Quotient Iteration. <i>SIAM Journal on Numerical Analysis</i> , 1989, 26, 624-636.	2.3	38
28	A generating function for the Euler characteristic of $\text{out}(F_n)$. <i>Journal of Pure and Applied Algebra</i> , 1987, 44, 329-348.	0.6	27
29	Automorphisms of graphs, p -subgroups of $\text{out}(F_n)$ and the Euler characteristics of $\text{Out}(F_n)$. <i>Journal of Pure and Applied Algebra</i> , 1987, 49, 187-200.	0.6	10
30	Ergodicity of Billiard Flows and Quadratic Differentials. <i>Annals of Mathematics</i> , 1986, 124, 293.	4.2	213
31	Smale diffeomorphisms and surface topology. <i>Ergodic Theory and Dynamical Systems</i> , 1985, 5, 519-529.	0.6	2
32	An obstruction to the existence of affine structures. <i>Inventiones Mathematicae</i> , 1981, 64, 411-415.	2.5	28
33	Flat manifolds with non-zero euler characteristics. <i>Commentarii Mathematici Helvetici</i> , 1977, 52, 453-455.	0.7	22