John Smillie

List of Publications by Year
in descending order

33 papers	1,329 citations	393982 19 h-index	414034 32 g-index
34 all docs	34 docs citations	34 times ranked	250 citing authors

#	Article	IF	Citations
1	Hyperbolicity and quasi-hyperbolicity in polynomial diffeomorphisms of C^2. Pure and Applied Mathematics Quarterly, 2022, 18, 5-32.	0.2	0
2	Semi-parabolic Bifurcations in Complex Dimension Two. Communications in Mathematical Physics, 2017, 350, 1-29.	1.0	10
3	A symbolic characterization of the horseshoe locus in the Hénon family. Ergodic Theory and Dynamical Systems, 2017, 37, 1389-1412.	0.4	5
4	Beyond Sturmian sequences: coding linear trajectories in the regular octagon. Proceedings of the London Mathematical Society, 2011, 102, 291-340.	0.6	19
5	Characterizations of lattice surfaces. Inventiones Mathematicae, 2010, 180, 535-557.	1.3	37
6	Homotopy shadowing. American Journal of Mathematics, 2010, 132, 987-1029.	0.5	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.	0.4	8
9	Real polynomial diffeomorphisms with maximal entropy: II. Small Jacobian. Ergodic Theory and Dynamical Systems, 2006, 26, 1259.	0.4	25
10	Minimal sets for flows on moduli space. Israel Journal of Mathematics, 2004, 142, 249-260.	0.4	32
11	Real polynomial diffeomorphisms with maximal entropy: Tangencies. Annals of Mathematics, 2004, 160, 1-26.	2.1	58
12	Polynomial diffeomorphisms of C 2. VIII: quasi-expansion. American Journal of Mathematics, 2002, 124, 221-271.	0.5	19
13	Polynomial diffeomorphisms of C2: VII. Hyperbolicity and external rays. Annales Scientifiques De L'Ecole Normale Superieure, 1999, 32, 455-497.	0.2	28
14	Polynomial diffeomorphisms of C2: V. critical points and Lyapunov exponents. Journal of Geometric Analysis, 1998, 8, 349.	0.5	25
15	Polynomial Diffeomorphisms of C 2 : VI. Connectivity of J. Annals of Mathematics, 1998, 148, 695.	2.1	31
16	Polynomial diffeomorphisms ofC 2. IV: The measure of maximal entropy and laminar currents. Inventiones Mathematicae, 1993, 112, 77-125.	1.3	127
17	Quadratic differentials with prescribed singularities and pseudo-Anosov diffeomorphisms. Commentarii Mathematici Helvetici, 1993, 68, 289-307.	0.4	51
18	Polynomial diffeomorphisms ofC 2. Mathematische Annalen, 1992, 294, 395-420.	0.7	91

#	Article	IF	Citations
19	Hausdorff Dimension of Sets of Nonergodic Measured Foliations. Annals of Mathematics, 1991, 134, 455.	2.1	114
20	Polynomial Diffeomorphisms of C 2 . II: Stable Manifolds and Recurrence. Journal of the American Mathematical Society, 1991, 4, 657.	1.9	20
21	Polynomial diffeomorphisms of ?Â². II. Stable manifolds and recurrence. Journal of the American Mathematical Society, 1991, 4, 657-679.	1.9	59
22	Polynomial diffeomorphisms of C2: currents, equilibrium measure and hyperbolicity. Inventiones Mathematicae, 1991, 103, 69-99.	1.3	143
23	Title is missing!. Indiana University Mathematics Journal, 1991, 40, 789.	0.4	18
24	The entropy of polynomial diffeomorphisms of C2. Ergodic Theory and Dynamical Systems, 1990, 10, 823-827.	0.4	21
25	Rayleigh quotient iteration for nonsymmetric matrices. Mathematics of Computation, 1990, 55, 169-178.	1.1	18
26	Rayleigh quotient iteration fails for nonsymmetric matrices. Applied Mathematics Letters, 1989, 2, 19-20.	1.5	9
27	The Dynamics of Rayleigh Quotient Iteration. SIAM Journal on Numerical Analysis, 1989, 26, 624-636.	1.1	38
28	A generating function for the Euler characteristic of out(Fn). Journal of Pure and Applied Algebra, 1987, 44, 329-348.	0.3	27
29	Automorphisms of graphs, p-subgroups of out(Fn) and the Euler characteristics of Out(Fn). Journal of Pure and Applied Algebra, 1987, 49, 187-200.	0.3	10
30	Ergodicity of Billiard Flows and Quadratic Differentials. Annals of Mathematics, 1986, 124, 293.	2.1	213
31	Smale diffeomorphisms and surface topology. Ergodic Theory and Dynamical Systems, 1985, 5, 519-529.	0.4	2
32	An obstruction to the existence of affine structures. Inventiones Mathematicae, 1981, 64, 411-415.	1.3	28
33	Flat manifolds with non-zero euler characteristics. Commentarii Mathematici Helvetici, 1977, 52, 453-455.	0.4	22