Michael Shub

List of Publications by Year
in descending order

34 papers	3,609 citations	361045 20 h-index	414034 32 g-index
35 all docs	35 docs citations	35 times ranked	954 citing authors

#	Article	IF	Citations
1	Computing the Homology of Real Projective Sets. Foundations of Computational Mathematics, 2018, 18, 929-970.	1.5	14
2	A stable, polynomial-time algorithm for the eigenpair problem. Journal of the European Mathematical Society, 2018, 20, 1375-1437.	0.7	9
3	Condition Length and Complexity for the Solution of Polynomial Systems. Foundations of Computational Mathematics, 2016, 16, 1401-1422.	1.5	8
4	Smale's Fundamental Theorem of Algebra Reconsidered. Foundations of Computational Mathematics, 2014, 14, 85-114.	1.5	2
5	On the Geometry and Topology of the Solution Variety for Polynomial System Solving. Foundations of Computational Mathematics, 2012, 12, 719-763.	1.5	6
6	Hölder foliations, revisited. Journal of Modern Dynamics, 2012, 6, 79-120.	0.2	29
7	A Note on the Finite Variance of the Averaging Function for Polynomial System Solving. Foundations of Computational Mathematics, 2010, 10, 115-125.	1.5	7
8	Complexity of Bezout's Theorem VI: Geodesics in the Condition (Number) Metric. Foundations of Computational Mathematics, 2009, 9, 171-178.	1.5	46
9	Complexity of Bezout's Theorem VII: Distance Estimates in the Condition Metric. Foundations of Computational Mathematics, 2009, 9, 179-195.	1.5	28
10	Partial Differentiability of Invariant Splittings. Journal of Statistical Physics, 2004, 114, 891-921.	0.5	5
11	Stable ergodicity. Bulletin of the American Mathematical Society, 2004, 41, 1-41.	0.8	39
12	Random Versus Deterministic Exponents in a Rich Family of Diffeomorphisms. Journal of Statistical Physics, 2003, 113, 85-149.	0.5	15
13	Implicit Gamma Theorems (I): Pseudoroots and Pseudospectra. Foundations of Computational Mathematics, 2003, 3, 1-31.	1.5	4
14	Pathological foliations and removable zero exponents. Inventiones Mathematicae, 2000, 139, 495-508.	1.3	112
15	Correction to: "Hölder foliations" Duke Math. J. Vol. 86 No. 3 (1997), pp. 517-546. Duke Mathematical Journal, 2000, 105, .	0.8	4
16	Hölder foliations. Duke Mathematical Journal, 1997, 86, 517.	0.8	74
17	Stable ergodicity in homogeneous spaces. Sociedade Brasileira De Matematica Boletim, Nova Serie, 1997, 28, 197-210.	0.2	6
18	Stably Ergodic Dynamical Systems and Partial Hyperbolicity. Journal of Complexity, 1997, 13, 125-179.	0.7	82

#	ARTICLE	IF	CITATIONS
19	Complexity of Bezout's Theorem IV: Probability of Success; Extensions. SIAM Journal on Numerical Analysis, 1996, 33, 128-148.	1.1	115
20	Stably Ergodic Diffeomorphisms. Annals of Mathematics, 1994, 140, 295.	2.1	87
21	Mysteries of mathematics and computation. Mathematical Intelligencer, 1994, 16, 10-15.	0.1	8
22	How many eigenvalues of a random matrix are real?. Journal of the American Mathematical Society, 1994, 7, 247-267.	1.9	106
23	Complexity of Bezout's Theorem. Journal of Complexity, 1993, 9, 4-14.	0.7	139
24	Complexity of Bézout's theorem. I. Geometric aspects. Journal of the American Mathematical Society, 1993, 6, 459-501.	1.9	138
25	Complexity of Bezout's Theorem II Volumes and Probabilities. , 1993, , 267-285.		121
26	Unified complexity analysis for Newton LP methods. Mathematical Programming, 1992, 53, 1-16.	1.6	24
27	Ergodic attractors. Transactions of the American Mathematical Society, 1989, 312, 1-54.	0.5	147
28	Boundary Behavior of Interior Point Algorithms in Linear Programming. Mathematics of Operations Research, 1989, 14, 97-146.	0.8	121
29	Global Stability of Dynamical Systems. , 1987, , .		473
30	Hyperbolic Sets. , 1987, , 20-32.		0
31	Expanding endomorphisms of the circle revisited. Ergodic Theory and Dynamical Systems, 1985, 5, 285-289.	0.4	81
32	Ergodicity of Anosov actions. Inventiones Mathematicae, 1972, 15, 1-23.	1.3	94
33	Linearization of normally hyperbolic diffeomorphisms and flows. Inventiones Mathematicae, 1970, 10, 187-198.	1.3	65
34	Endomorphisms of Compact Differentiable Manifolds. American Journal of Mathematics, 1969, 91, 175.	0.5	260