

Dierk Schleicher

List of Publications by Year in descending order

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46
papers

926
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516710

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54
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docs citations

54
times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	John Conway: The Man Who Played Mathematics. <i>Mathematical Intelligencer</i> , 2021, 43, 79-91.	0.2	1
2	Core Entropy of Quadratic Polynomials. <i>Arnold Mathematical Journal</i> , 2020, 6, 333-385.	0.4	2
3	A combinatorial classification of postcritically fixed Newton maps. <i>Ergodic Theory and Dynamical Systems</i> , 2019, 39, 2983-3014.	0.6	10
4	Internal Addresses of the Mandelbrot Set and Galois Groups of Polynomials. <i>Arnold Mathematical Journal</i> , 2017, 3, 1-35.	0.4	6
5	On multicorns and unicorns II: bifurcations in spaces of antiholomorphic polynomials. <i>Ergodic Theory and Dynamical Systems</i> , 2017, 37, 859-899.	0.6	20
6	Newton's method in practice: Finding all roots of polynomials of degree one million efficiently. <i>Theoretical Computer Science</i> , 2017, 681, 146-166.	0.9	18
7	Antiholomorphic perturbations of Weierstrass Zeta functions and Green's function on tori. <i>Nonlinearity</i> , 2017, 30, 3241-3254.	1.4	2
8	Rational Parameter Rays of the Multibrot Sets. , 2016, , 49-84.		6
9	On the speed of convergence of Newton's method for complex polynomials. <i>Mathematics of Computation</i> , 2015, 85, 693-705.	2.1	9
10	Multicorn are not path connected. , 2014, , 73-102.		13
11	Hausdorff dimension and biaccessibility for polynomial Julia sets. <i>Proceedings of the American Mathematical Society</i> , 2013, 141, 533-542.	0.8	5
12	New Looks at Old Number Theory. <i>American Mathematical Monthly</i> , 2013, 120, 243.	0.3	1
13	Bernoulli measure of complex admissible kneading sequences. <i>Ergodic Theory and Dynamical Systems</i> , 2013, 33, 821-830.	0.6	1
14	Interview with John Horton Conway. <i>Notices of the American Mathematical Society</i> , 2013, 60, 567.	0.2	4
15	A small probabilistic universal set of starting points for finding roots of complex polynomials by Newton's method. <i>Mathematics of Computation</i> , 2012, 82, 443-457.	2.1	10
16	Homeomorphisms between limbs of the Mandelbrot set. <i>Proceedings of the American Mathematical Society</i> , 2012, 140, 1947-1956.	0.8	5
17	Dynamic rays of bounded-type entire functions. <i>Annals of Mathematics</i> , 2011, 173, 77-125.	4.2	76
18	How to Add a Noninteger Number of Terms: From Axioms to New Identities. <i>American Mathematical Monthly</i> , 2011, 118, 136.	0.3	10

#	ARTICLE	IF	CITATIONS
19	Complex Dynamics, the Mandelbrot Set, and Newton's Method " or: On Useless and Useful Mathematics. , 2011, , 207-220.		0
20	Fractional sums and Euler-like identities. Ramanujan Journal, 2010, 21, 123-143.	0.7	13
21	Dynamics of Entire Functions. Lecture Notes in Mathematics, 2010, , 295-339.	0.2	33
22	Parameter rays in the space of exponential maps. Ergodic Theory and Dynamical Systems, 2009, 29, 515-544.	0.6	13
23	Bifurcations in the space of exponential maps. Inventiones Mathematicae, 2009, 175, 103-135.	2.5	18
24	Existence of quadratic Hubbard trees. Fundamenta Mathematicae, 2009, 202, 251-279.	0.5	17
25	Hausdorff dimension of exponential parameter rays and their endpoints. Nonlinearity, 2008, 21, 113-120.	1.4	11
26	Admissibility of kneading sequences and structure of Hubbard trees for quadratic polynomials. Journal of the London Mathematical Society, 2008, 78, 502-522.	1.0	18
27	Exponential Thurston maps and limits of quadratic differentials. Journal of the American Mathematical Society, 2008, 22, 77-117.	3.9	18
28	A combinatorial classification of postsingularly finite complex exponential maps. Discrete and Continuous Dynamical Systems, 2008, 22, 663-682.	0.9	6
29	On Newton's method for entire functions. Journal of the London Mathematical Society, 2007, 75, 659-676.	1.0	16
30	The dynamical fine structure of iterated cosine maps and a dimension paradox. Duke Mathematical Journal, 2007, 136, .	1.5	28
31	Classification of escaping exponential maps. Proceedings of the American Mathematical Society, 2007, 136, 651-663.	0.8	22
32	Embedding non-Euclidean color spaces into Euclidean color spaces with minimal isometric disagreement. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 1516.	1.5	29
33	Hausdorff Dimension, Its Properties, and Its Surprises. American Mathematical Monthly, 2007, 114, 509-528.	0.3	45
34	Immediate and Virtual Basins of Newton's Method for Entire Functions. Annales De L'Institut Fourier, 2006, 56, 325-336.	0.6	23
35	How to add a non-integer number of terms, and how to produce unusual infinite summations. Journal of Computational and Applied Mathematics, 2005, 178, 347-360.	2.0	13
36	Hyperbolic components in exponential parameter space. Comptes Rendus Mathematique, 2004, 339, 223-228.	0.3	7

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37	ON MULTICORNS AND UNICORNS I: ANTIHOLOMORPHIC DYNAMICS, HYPERBOLIC COMPONENTS AND REAL CUBIC POLYNOMIALS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 2825-2844.	1.7	40
38	ESCAPING POINTS OF EXPONENTIAL MAPS. Journal of the London Mathematical Society, 2003, 67, 380-400.	1.0	67
39	On the number of iterations of Newton's method for complex polynomials. Ergodic Theory and Dynamical Systems, 2002, 22, .	0.6	14
40	How to find all roots of complex polynomials by Newton's method. Inventiones Mathematicae, 2001, 146, 1-33.	2.5	127
41	The $3n+1$ -Problem and Holomorphic Dynamics. Experimental Mathematics, 1999, 8, 241-251.	0.7	11
42	On biaccessible points in the Julia set of a Cremer quadratic polynomial. Proceedings of the American Mathematical Society, 1999, 128, 933-937.	0.8	8
43	Symmetries of fractals revisited. Mathematical Intelligencer, 1996, 18, 45-51.	0.2	32
44	Combinatorics of bifurcations in exponential parameter space. , 0, , 317-370.		8
45	Homotopy Hubbard trees for post-singularly finite exponential maps. Ergodic Theory and Dynamical Systems, 0, , 1-46.	0.6	0
46	Escaping points of the cosine family. , 0, , 396-424.		18