

# Robert L Benedetto

## List of Publications by Year in descending order

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31  
papers

642  
citations

623734

14  
h-index

580821

25  
g-index

32  
all docs

32  
docs citations

32  
times ranked

153  
citing authors

#	ARTICLE	IF	CITATIONS
1	A wavelet theory for local fields and related groups. <i>Journal of Geometric Analysis</i> , 2004, 14, 423-456.	1.0	135
2	Hyperbolic maps in p-adic dynamics. <i>Ergodic Theory and Dynamical Systems</i> , 2001, 21, 1-11.	0.6	64
3	Reduction, Dynamics, and Julia Sets of Rational Functions. <i>Journal of Number Theory</i> , 2001, 86, 175-195.	0.4	38
4	p-Adic Dynamics and Sullivan's No Wandering Domains Theorem. <i>Compositio Mathematica</i> , 2000, 122, 281-298.	0.8	34
5	A case of the dynamical Mordell–Lang conjecture. <i>Mathematische Annalen</i> , 2012, 352, 1-26.	1.4	32
6	Heights and preperiodic points of polynomials over function fields. <i>International Mathematics Research Notices</i> , 2005, 2005, 3855.	1.0	31
7	Periods of rational maps modulo primes. <i>Mathematische Annalen</i> , 2013, 355, 637-660.	1.4	31
8	Components and Periodic Points in Non-Archimedean Dynamics. <i>Proceedings of the London Mathematical Society</i> , 2002, 84, 231-256.	1.3	30
9	The Topology of the Relative Character Varieties of a QuadruPLY-Punctured Sphere. <i>Experimental Mathematics</i> , 1999, 8, 85-103.	0.7	22
10	Examples of wandering domains in p-adic polynomial dynamics. <i>Comptes Rendus Mathematique</i> , 2002, 335, 615-620.	0.3	19
11	Attracting cycles in p-adic dynamics and height bounds for postcritically finite maps. <i>Duke Mathematical Journal</i> , 2014, 163, .	1.5	19
12	Non-Archimedean holomorphic maps and the Ahlfors islands theorem. <i>American Journal of Mathematics</i> , 2003, 125, 581-622.	1.1	18
13	Optimal Ambiguity Functions and Weil’s Exponential Sum Bound. <i>Journal of Fourier Analysis and Applications</i> , 2012, 18, 471-487.	1.0	16
14	Current trends and open problems in arithmetic dynamics. <i>Bulletin of the American Mathematical Society</i> , 2019, 56, 611-685.	1.5	16
15	A gap principle for dynamics. <i>Compositio Mathematica</i> , 2010, 146, 1056-1072.	0.8	14
16	Preperiodic points of polynomials over global fields. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2007, 2007, .	0.9	12
17	WANDERING DOMAINS IN NON-ARCHIMEDEAN POLYNOMIAL DYNAMICS. <i>Bulletin of the London Mathematical Society</i> , 2006, 38, 937-950.	0.8	10
18	A large arboreal Galois representation for a cubic postcritically finite polynomial. <i>Research in Number Theory</i> , 2017, 3, 1.	0.4	10

#	ARTICLE	IF	CITATIONS
19	Odoni's conjecture for number fields. <i>Bulletin of the London Mathematical Society</i> , 2019, 51, 237-250.	0.8	10
20	The Construction of Wavelet Sets. <i>Applied and Numerical Harmonic Analysis</i> , 2011, , 17-56.	0.3	8
21	Wandering domains and nontrivial reduction in non-Archimedean dynamics. <i>Illinois Journal of Mathematics</i> , 2005, 49, .	0.1	7
22	Computing points of small height for cubic polynomials. <i>Involve</i> , 2009, 2, 37-64.	0.2	5
23	A criterion for potentially good reduction in nonarchimedean dynamics. <i>Acta Arithmetica</i> , 2014, 165, 251-256.	0.4	5
24	Dynamique des polynômes quadratiques sur les corps locaux. <i>Journal De Theorie Des Nombres De Bordeaux</i> , 2007, 19, 325-336.	0.1	4
25	Small Dynamical Heights for Quadratic Polynomials and Rational Functions. <i>Experimental Mathematics</i> , 2014, 23, 433-447.	0.7	3
26	An Ahlfors Islands Theorem for non-archimedean meromorphic functions. <i>Transactions of the American Mathematical Society</i> , 2008, 360, 4099-4124.	0.9	2
27	Frames of Translates for Number-Theoretic Groups. <i>Journal of Geometric Analysis</i> , 2020, 30, 4126-4149.	1.0	2
28	An Elementary Product Identity in Polynomial Dynamics. <i>American Mathematical Monthly</i> , 2001, 108, 860.	0.3	2
29	Non-archimedean connected Julia sets with branching. <i>Ergodic Theory and Dynamical Systems</i> , 2017, 37, 59-78.	0.6	0
30	The arithmetic basilica: A quadratic PCF arboreal Galois group. <i>Journal of Number Theory</i> , 2021, , .	0.4	0
31	J-stability in non-archimedean dynamics. <i>Advances in Mathematics</i> , 2022, 397, 108204.	1.1	0