

Philippe Flajolet

List of Publications by Year in descending order

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82
papers

7,666
citations

116194

36
h-index

87275

74
g-index

84
all docs

84
docs citations

84
times ranked

2716
citing authors

#	ARTICLE	IF	CITATIONS
1	Some New Self-avoiding Walk and Polygon Models. <i>Fundamenta Informaticae</i> , 2012, 117, 19-33.	0.3	4
2	The distribution of height and diameter in random non- ϵ -plane binary trees. <i>Random Structures and Algorithms</i> , 2012, 41, 215-252.	0.6	11
3	On Buffon Machines and Numbers. , 2011, , .		6
4	The enumeration of prudent polygons by area and its unusual asymptotics. <i>Journal of Combinatorial Theory - Series A</i> , 2011, 118, 2261-2290.	0.5	4
5	The unusual asymptotics of three-sided prudent polygons. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 342001.	0.7	4
6	Pseudo-factorials, elliptic functions, and continued fractions. <i>Ramanujan Journal</i> , 2010, 21, 71-97.	0.4	10
7	Multidimensional Divide-and-Conquer and Weighted Digital Sums (Extended Abstract). , 2009, , .		0
8	Isomorphism and Symmetries in Random Phylogenetic Trees. <i>Journal of Applied Probability</i> , 2009, 46, 1005-1019.	0.4	5
9	Isomorphism and Symmetries in Random Phylogenetic Trees. <i>Journal of Applied Probability</i> , 2009, 46, 1005-1019.	0.4	22
10	On differences of zeta values. <i>Journal of Computational and Applied Mathematics</i> , 2008, 220, 58-73.	1.1	15
11	Fast computation of special resultants. <i>Journal of Symbolic Computation</i> , 2006, 41, 1-29.	0.5	42
12	Hidden word statistics. <i>Journal of the ACM</i> , 2006, 53, 147-183.	1.8	31
13	The Ubiquitous Digital Tree. <i>Lecture Notes in Computer Science</i> , 2006, , 1-22.	1.0	5
14	A Hybrid of Darboux's Method and Singularity Analysis in Combinatorial Asymptotics. <i>Electronic Journal of Combinatorics</i> , 2006, 13, .	0.2	17
15	Analytic urns. <i>Annals of Probability</i> , 2005, 33, 1200.	0.8	63
16	Singularity analysis, Hadamard products, and tree recurrences. <i>Journal of Computational and Applied Mathematics</i> , 2005, 174, 271-313.	1.1	34
17	Boltzmann Samplers for the Random Generation of Combinatorial Structures. <i>Combinatorics Probability and Computing</i> , 2004, 13, 577-625.	0.8	173
18	Counting by Coin Tossings. <i>Lecture Notes in Computer Science</i> , 2004, , 1-12.	1.0	15

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19	On the Non-Holonomic Character of Logarithms, Powers, and the n th Prime Function. <i>Electronic Journal of Combinatorics</i> , 2004, 11, .	0.2	24
20	Loglog Counting of Large Cardinalities. <i>Lecture Notes in Computer Science</i> , 2003, , 605-617.	1.0	180
21	Basic analytic combinatorics of directed lattice paths. <i>Theoretical Computer Science</i> , 2002, 281, 37-80.	0.5	126
22	Generating functions for generating trees. <i>Discrete Mathematics</i> , 2002, 246, 29-55.	0.4	155
23	Random maps, coalescing saddles, singularity analysis, and Airy phenomena. <i>Random Structures and Algorithms</i> , 2001, 19, 194-246.	0.6	88
24	$D^?E?K=(1000)8$. <i>Random Structures and Algorithms</i> , 2001, 19, 150-162.	0.6	1
25	The formal theory of birth-and-death processes, lattice path combinatorics and continued fractions. <i>Advances in Applied Probability</i> , 2000, 32, 750-778.	0.4	19
26	Analytic variations on bucket selection and sorting. <i>Acta Informatica</i> , 2000, 36, 735-760.	0.5	20
27	Planar Maps and Airy Phenomena. <i>Lecture Notes in Computer Science</i> , 2000, , 388-402.	1.0	12
28	Analytic Combinatorics of Chord Diagrams. , 2000, , 191-201.		20
29	The formal theory of birth-and-death processes, lattice path combinatorics and continued fractions. <i>Advances in Applied Probability</i> , 2000, 32, 750-778.	0.4	45
30	Singularity analysis and asymptotics of Bernoulli sums. <i>Theoretical Computer Science</i> , 1999, 215, 371-381.	0.5	71
31	Analytic combinatorics of non-crossing configurations. <i>Discrete Mathematics</i> , 1999, 204, 203-229.	0.4	129
32	On Stirling Numbers for Complex Arguments and Hankel Contours. <i>SIAM Journal on Discrete Mathematics</i> , 1999, 12, 155-159.	0.4	20
33	Continued fraction algorithms, functional operators, and structure constants. <i>Theoretical Computer Science</i> , 1998, 194, 1-34.	0.5	31
34	Euler Sums and Contour Integral Representations. <i>Experimental Mathematics</i> , 1998, 7, 15-35.	0.5	182
35	An Average-Case Analysis of the Gaussian Algorithm for Lattice Reduction. <i>Combinatorics Probability and Computing</i> , 1997, 6, 397-433.	0.8	34
36	Patterns in random binary search trees. <i>Random Structures and Algorithms</i> , 1997, 11, 223-244.	0.6	52

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37	Patterns in random binary search trees. , 1997, 11, 223.		1
38	Random polynomials and polynomial factorization. Lecture Notes in Computer Science, 1996, , 232-243.	1.0	12
39	On Ramanujan's Q-function. Journal of Computational and Applied Mathematics, 1995, 58, 103-116.	1.1	65
40	Hypergeometrics and the cost structure of quadrees. Random Structures and Algorithms, 1995, 7, 117-144.	0.6	35
41	Mellin transforms and asymptotics: Finite differences and Rice's integrals. Theoretical Computer Science, 1995, 144, 101-124.	0.5	149
42	Mellin transforms and asymptotics: Harmonic sums. Theoretical Computer Science, 1995, 144, 3-58.	0.5	394
43	Mellin transforms and asymptotics. Acta Informatica, 1994, 31, 673-696.	0.5	49
44	Mellin transforms and asymptotics: digital sums. Theoretical Computer Science, 1994, 123, 291-314.	0.5	92
45	A calculus for the random generation of labelled combinatorial structures. Theoretical Computer Science, 1994, 132, 1-35.	0.5	199
46	General combinatorial schemas: Gaussian limit distributions and exponential tails. Discrete Mathematics, 1993, 114, 159-180.	0.4	56
47	Analytic variations on quadrees. Algorithmica, 1993, 10, 473-500.	1.0	57
48	The Distribution of Heights of Binary Trees and Other Simple Trees. Combinatorics Probability and Computing, 1993, 2, 145-156.	0.8	33
49	Exact asymptotics of divide-and-conquer recurrences. Lecture Notes in Computer Science, 1993, , 137-149.	1.0	9
50	A calculus of random generation. Lecture Notes in Computer Science, 1993, , 169-180.	1.0	3
51	Varieties of increasing trees. Lecture Notes in Computer Science, 1992, , 24-48.	1.0	112
52	Birthday paradox, coupon collectors, caching algorithms and self-organizing search. Discrete Applied Mathematics, 1992, 39, 207-229.	0.5	324
53	Generalized Digital Trees and Their Differenceâ€™Differential Equations. Random Structures and Algorithms, 1992, 3, 305-320.	0.6	43
54	Page usage in a quadtree index. BIT Numerical Mathematics, 1992, 32, 384-402.	1.0	21

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55	Analytic analysis of algorithms. Lecture Notes in Computer Science, 1992, , 186-210.	1.0	20
56	Automatic average-case analysis of algorithms. Theoretical Computer Science, 1991, 79, 37-109.	0.5	82
57	Analytic variations on the common subexpression problem. , 1990, , 220-234.		36
58	Gaussian limiting distributions for the number of components in combinatorial structures. Journal of Combinatorial Theory - Series A, 1990, 53, 165-182.	0.5	98
59	Average-Case Analysis of Algorithms and Data Structures. , 1990, , 431-524.		58
60	Non-overlapping Partitions, Continued Fractions, Bessel Functions and a Divergent Series. European Journal of Combinatorics, 1990, 11, 421-432.	0.5	28
61	Singularity Analysis of Generating Functions. SIAM Journal on Discrete Mathematics, 1990, 3, 216-240.	0.4	628
62	The first cycles in an evolving graph. Discrete Mathematics, 1989, 75, 167-215.	0.4	83
63	Average cost of orthogonal range queries in multiattribute trees. Information Systems, 1989, 14, 341-350.	2.4	5
64	Random Mapping Statistics. , 1989, , 329-354.		151
65	On the performance of orthogonal range queries in multiattribute and doubly chained trees. Lecture Notes in Computer Science, 1989, , 218-229.	1.0	2
66	Analytic models and ambiguity of context-free languages. Theoretical Computer Science, 1987, 49, 283-309.	0.5	118
67	Level number sequences for trees. Discrete Mathematics, 1987, 65, 149-156.	0.4	38
68	Prefixes of infinite words and ambiguous context-free languages. Information Processing Letters, 1987, 25, 211-216.	0.4	23
69	Digital Search Trees Revisited. SIAM Journal on Computing, 1986, 15, 748-767.	0.8	106
70	On a functional equation arising in the analysis of a protocol for a multi-access broadcast channel. Advances in Applied Probability, 1986, 18, 441-472.	0.4	38
71	The analysis of simple list structures. Information Sciences, 1986, 38, 121-146.	4.0	21
72	The complexity of generating an exponentially distributed variate. Journal of Algorithms, 1986, 7, 463-488.	0.9	23

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73	A complexity calculus for recursive tree algorithms. <i>Mathematical Systems Theory</i> , 1986, 19, 301-331.	0.5	20
74	Partial match retrieval of multidimensional data. <i>Journal of the ACM</i> , 1986, 33, 371-407.	1.8	93
75	Elements of a general theory of combinatorial structures. , 1985, , 112-127.		5
76	Probabilistic counting algorithms for data base applications. <i>Journal of Computer and System Sciences</i> , 1985, 31, 182-209.	0.9	948
77	Approximate counting: A detailed analysis. <i>BIT Numerical Mathematics</i> , 1985, 25, 113-134.	1.0	118
78	Search trees and bubble memories. <i>RAIRO - Theoretical Informatics and Applications</i> , 1985, 19, 137-164.	0.6	4
79	Patterns and pattern-matching in trees: An analysis. <i>Information and Control</i> , 1983, 58, 19-58.	1.3	50
80	On the performance evaluation of extendible hashing and trie searching. <i>Acta Informatica</i> , 1983, 20, 345.	0.5	96
81	On congruences and continued fractions for some classical combinatorial quantities. <i>Discrete Mathematics</i> , 1982, 41, 145-153.	0.4	42
82	The average height of binary trees and other simple trees. <i>Journal of Computer and System Sciences</i> , 1982, 25, 171-213.	0.9	189