

# Bernard Chazelle

## List of Publications by Year in descending order

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31  
papers

728  
citations

949033

11  
h-index

721071

23  
g-index

32  
all docs

32  
docs citations

32  
times ranked

555  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Periodicity of Random Walks in Dynamic Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 1337-1343.	4.1	3
2	PertInInt: An Integrative, Analytical Approach to Rapidly Uncover Cancer Driver Genes with Perturbed Interactions and Functionalities. Cell Systems, 2020, 11, 63-74.e7.	2.9	8
3	uKIN Combines New and Prior Information with Guided Network Propagation to Accurately Identify Disease Genes. Cell Systems, 2020, 10, 470-479.e3.	2.9	11
4	Some Observations on Dynamic Random Walks and Network Renormalization. Lecture Notes in Computer Science, 2019, , 18-28.	1.0	0
5	A Sharp Bound on the Energy and Its Applications to Averaging Systems. IEEE Transactions on Automatic Control, 2019, 64, 4385-4390.	3.6	2
6	Noisy Hegselmann-Krause Systems: Phase Transition and the 2R-Conjecture. Journal of Statistical Physics, 2017, 166, 1209-1225.	0.5	33
7	Inertial Hegselmann-Krause Systems. IEEE Transactions on Automatic Control, 2017, 62, 3905-3913.	3.6	39
8	Gaussian Learning-Without-Recall in a dynamic social network. , 2017, , .		1
9	Inertial Hegselmann-Krause systems. , 2016, , .		4
10	Diffusive Influence Systems. SIAM Journal on Computing, 2015, 44, 1403-1442.	0.8	9
11	An Algorithmic Approach to Collective Behavior. Journal of Statistical Physics, 2015, 158, 514-548.	0.5	16
12	Algorithmic Renormalization for Network Dynamics. IEEE Transactions on Network Science and Engineering, 2015, 2, 1-16.	4.1	2
13	Data Structures on Event Graphs. Algorithmica, 2015, 71, 1007-1020.	1.0	0
14	The Convergence of Bird Flocking. Journal of the ACM, 2014, 61, 1-35.	1.8	27
15	Title is missing!. Theory of Computing, 2014, 10, 421-451.	0.3	1
16	The Dynamics of Influence Systems. , 2012, , .		11
17	The Total Energy of a Multiagent System. SIAM Journal on Control and Optimization, 2011, 49, 1680-1706.	1.1	58
18	Computing Hereditary Convex Structures. Discrete and Computational Geometry, 2011, 45, 796-823.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Natural Algorithms. , 2009, , .		25
20	Markov Incremental Constructions. Discrete and Computational Geometry, 2009, 42, 399-420.	0.4	3
21	Coding and Computing Join Forces. Science, 2007, 317, 1691-1692.	6.0	0
22	Estimating the distance to a monotone function. Random Structures and Algorithms, 2007, 31, 371-383.	0.6	37
23	A Reflective Symmetry Descriptor for 3D Models. Algorithmica, 2004, 38, 201-225.	1.0	159
24	The Power of Nonmonotonicity in Geometric Searching. Discrete and Computational Geometry, 2004, 31, 3-16.	0.4	1
25	BOXTREE: A Hierarchical Representation for Surfaces in 3D. Computer Graphics Forum, 1996, 15, 387-396.	1.8	95
26	COMPUTATIONAL GEOMETRY: A RETROSPECTIVE. Lecture Notes Series on Computing, 1995, , 22-46.	0.2	5
27	TRIANGULATING DISJOINT JORDAN CHAINS. International Journal of Computational Geometry and Applications, 1994, 04, 475-481.	0.3	43
28	An algorithm for segment-dragging and its implementation. Algorithmica, 1988, 3, 205-221.	1.0	48
29	Polytope range searching and integral geometry. , 1987, , .		12
30	Some techniques for geometric searching with implicit set representations. Acta Informatica, 1987, 24, 565-582.	0.5	7
31	An Improved Algorithm for Constructing kth-Order Voronoi Diagrams. IEEE Transactions on Computers, 1987, C-36, 1349-1354.	2.4	63