Edward R Scheinerman

List of Publications by Year
in descending order

58	1,278	430874 18	395702 33
papers	citations	h-index	g-index

59	59	59	541
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On Random Intersection Graphs: The Subgraph Problem. Combinatorics Probability and Computing, 1999, 8, 131-159.	1.3	154
2	Random Dot Product Graph Models for Social Networks. , 2007, , 138-149.		123
3	Representations of Planar Graphs. SIAM Journal on Discrete Mathematics, 1993, 6, 214-229.	0.8	82
4	Random intersection graphs whenm=?(n): An equivalence theorem relating the evolution of theG(n,m,p) andG(n,p) models. Random Structures and Algorithms, 2000, 16, 156-176.	1.1	75
5	Mathematical models of binary spherical-motion encoders. IEEE/ASME Transactions on Mechatronics, 2003, 8, 234-244.	5.8	71
6	On the Size of Hereditary Classes of Graphs. Journal of Combinatorial Theory Series B, 1994, 61, 16-39.	1.0	69
7	The interval number of a planar graph: Three intervals suffice. Journal of Combinatorial Theory Series B, 1983, 35, 224-239.	1.0	50
8	Almost Sure Fault Tolerance in Random Graphs. SIAM Journal on Computing, 1987, 16, 1124-1134.	1.0	46
9	Undirected edge geography. Theoretical Computer Science, 1993, 112, 371-381.	0.9	45
10	Degrees of freedom versus dimension for containment orders. Order, 1988, 5, 11.	0.5	40
11	Fractional isomorphism of graphs. Discrete Mathematics, 1994, 132, 247-265.	0.7	39
12	Modeling graphs using dot product representations. Computational Statistics, 2010, 25, 1-16.	1.5	39
13	Random interval graphs. Combinatorica, 1988, 8, 357-371.	1.2	35
14	Containment Graphs, Posets, and Related Classes of Graphs. Annals of the New York Academy of Sciences, 1989, 555, 192-204.	3.8	26
15	Characterizing intersection classes of graphs. Discrete Mathematics, 1985, 55, 185-193.	0.7	25
16	On the thickness and arboricity of a graph. Journal of Combinatorial Theory Series B, 1991, 52, 147-151.	1.0	25
17	An evolution of interval graphs. Discrete Mathematics, 1990, 82, 287-302.	0.7	23
18	Fractional dimension of partial orders. Order, 1992, 9, 139-158.	0.5	22

#	Article	IF	Citations
19	On circle containment orders. Order, 1988, 4, 315-318.	0.5	21
20	Optimal and near-optimal broadcast in random graphs. Discrete Applied Mathematics, 1989, 25, 289-297.	0.9	18
21	Dot product representations of graphs. Discrete Mathematics, 1998, 181, 113-138.	0.7	18
22	Connectivity threshold for random chordal graphs. Graphs and Combinatorics, 1991, 7, 177-181.	0.4	17
23	Random Intervals. American Mathematical Monthly, 1990, 97, 881.	0.3	15
24	The Rectilinear Crossing Number of a Complete Graph and Sylvester's "Four Point Problem" of Geometric Probability. American Mathematical Monthly, 1994, 101, 939.	0.3	15
25	On the structure of hereditary classes of graphs. Journal of Graph Theory, 1986, 10, 545-551.	0.9	14
26	The maximum interval number of graphs with given genus. Journal of Graph Theory, 1987, 11, 441-446.	0.9	14
27	On the Fractional Intersection Number of a Graph. Graphs and Combinatorics, 1999, 15, 341-351.	0.4	14
28	A Note on Planar Graphs and Circle Orders. SIAM Journal on Discrete Mathematics, 1991, 4, 448-451.	0.8	13
29	Directed Random Dot Product Graphs. Internet Mathematics, 2008, 5, 91-111.	0.7	13
30	Generalized Chromatic Numbers of Random Graphs. SIAM Journal on Discrete Mathematics, 1992, 5, 74-80.	0.8	10
31	A deletion game on hypergraphs. Discrete Applied Mathematics, 1991, 30, 155-162.	0.9	9
32	On the interval number of random graphs. Discrete Mathematics, 1990, 82, 105-109.	0.7	8
33	When Close Enough is Close Enough. American Mathematical Monthly, 2000, 107, 489.	0.3	8
34	Irrepresentability by multiple intersection, or why the interval number is unbounded. Discrete Mathematics, 1985, 55, 195-211.	0.7	7
35	The many faces of circle orders. Order, 1992, 9, 343-348.	0.5	7
36	On the chordality of a graph. Journal of Graph Theory, 1993, 17, 221-232.	0.9	7

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37	A note on graphs and sphere orders. Journal of Graph Theory, 1993, 17, 283-289.	0.9	7
38	Irredundancy in multiple interval representations. Discrete Mathematics, 1987, 63, 101-108.	0.7	6
39	On the interval number of a chordal graph. Journal of Graph Theory, 1988, 12, 311-316.	0.9	6
40	Local representations using very short labels. Discrete Mathematics, 1999, 203, 287-290.	0.7	6
41	Clique covering the edges of a locally cobipartite graph. Discrete Mathematics, 2000, 219, 17-26.	0.7	6
42	Characterization and recognition of point-halfspace and related orders. Lecture Notes in Computer Science, 1995, , 234-245.	1.3	4
43	Not All Graphs are Segment T-graphs. European Journal of Combinatorics, 1990, 11, 7-13.	0.8	3
44	Generalized sum graphs. Graphs and Combinatorics, 1992, 8, 23-29.	0.4	3
45	On generalized perfect graphs: bounded degree and bounded edge perfection. Discrete Applied Mathematics, 1993, 44, 233-245.	0.9	3
46	On fractional Ramsey numbers. Discrete Mathematics, 1997, 176, 159-175.	0.7	3
47	Hamiltonian Closure in Random Graphs. North-Holland Mathematics Studies, 1987, , 59-67.	0.2	2
48	Interval Representations of Cliques and of Subset Intersection Graphs. Annals of the New York Academy of Sciences, 1989, 555, 363-367.	3.8	2
49	Random intersection graphs when m=Ï‰(n): An equivalence theorem relating the evolution of the G(n,â€‰m,â€‰p) and G(n,â€‰p) models. Random Structures and Algorithms, 2000, 16, 156.	1.1	2
50	On Vertex, Edge, and Vertex-Edge Random Graphs. Electronic Journal of Combinatorics, 2011, 18, .	0.4	2
51	On the Expected Capacity of Binomial and Random Concentrators. SIAM Journal on Computing, 1990, 19, 156-163.	1.0	1
52	On point-halfspace graphs. Journal of Graph Theory, 1995, 20, 19-35.	0.9	1
53	Shrinkability of Minimal Elements in Sphere Representations of Posets. Order, 1997, 14, 59-66.	0.5	1
54	Affine Isomorphism for Partially Ordered Sets. Order, 1998, 15, 183-193.	0.5	1

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55	Efficient Local Representations of Graphs. Problem Books in Mathematics, 2016, , 83-94.	0.1	1
56	C++ for Mathematicians. , 0, , .		1
57	Irrepresentability of short semilattices by euclidean subspaces. Algebra Universalis, 1994, 31, 599-607.	0.3	0
58	A Combinatorial Proof of the Pythagorean Theorem. Mathematics Magazine, 1995, 68, 48.	0.1	0