Paul Erdos

List of Publications by Year
in descending order

117
papers	3,052
citations	172457
29
h-index	182427
51
g-index
119
all docs	119
docs citations	119
times ranked	984
citing authors

#	Article	IF	Citations
1	Superconducting periodic nanostructures in a magnetic field. Physical Review B, 2010, 82, .	3.2	5
2	On large intersecting subfamilies of uniform setfamilies. Random Structures and Algorithms, 2003, 23, 351-356.	1.1	3
3	On the equality of the partial Grundy and upper ochromatic numbers of graphs. Discrete Mathematics, 2003, 272, 53-64.	0.7	24
4	Arithmetic Functions. Undergraduate Texts in Mathematics, 2003, , 231-268.	0.1	0
5	Sequences of Integers. Undergraduate Texts in Mathematics, 2003, , 181-204.	0.1	0
6	Spiraling the Earth with C. G. J. Jacobi. American Journal of Physics, 2000, 68, 888-895.	0.7	32
7	Currents in a superconducting loop with a branch connected to a current-carrying infinite wire. Superconductor Science and Technology, 2000, 13, 1309-1314.	3.5	1
8	A Selection of Problems and Results in Combinatorics. Combinatorics Probability and Computing, 1999, 8, 1-6.	1.3	3
9	Popular distances in 3-space. Discrete Mathematics, 1999, 200, 95-99.	0.7	2
10	On arithmetic properties of integers with missing digits II: Prime factors. Discrete Mathematics, 1999, 200, 149-164.	0.7	23
11	Magnetism of actinide compounds. Advances in Physics, 1999, 48, 537-653.	14.4	142
12	On Arithmetic Properties of Integers with Missing Digits I: Distribution in Residue Classes. Journal of Number Theory, 1998, 70, 99-120.	0.4	32
13	Ramanujan and I. Resonance, 1998, 3, 81-92.	0.3	1
14	Distinct distances in finite planar sets. Discrete Mathematics, 1997, 175, 97-132.	0.7	8
15	The size of the largest bipartite subgraphs. Discrete Mathematics, 1997, 177, 267-271.	0.7	26
16	A variant of the classical Ramsey problem. Combinatorica, 1997, 17, 459-467.	1.2	49
17	Minimum planar sets with maximum equidistance counts. Computational Geometry: Theory and Applications, 1997, 7, 207-218.	0.5	2
18	Onk-saturated graphs with restrictions on the degrees. Journal of Graph Theory, 1996, 23, 1-20.	0.9	9

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19	Maximum planar sets that determine k distances. Discrete Mathematics, 1996, 160, 115-125.	0.7	23
20	Covering and independence in triangle structures. Discrete Mathematics, 1996, 150, 89-101.	0.7	11
21	Resistance of a one-dimensional periodic chain of random potentials. Solid State Communications, 1996, 98, 495-499.	1.9	6
22	Convex nonagons with five intervertex distances. Geometriae Dedicata, 1996, 60, 317.	0.3	7
23	On the number of divisors of n!. , 1996, , 337-355.		3
24	Degree sequence and independence in K(4)-free graphs. Discrete Mathematics, 1995, 141, 285-290.	0.7	4
25	Multiplicities of interpoint distances in finite planar sets. Discrete Applied Mathematics, 1995, 60, 141-147.	0.9	10
26	Intervertex distances in convex polygons. Discrete Applied Mathematics, 1995, 60, 149-158.	0.9	4
27	Superconducting micronets: The Wheatstone bridge. Physical Review B, 1995, 51, 11739-11747.	3.2	10
28	Comment on â€˜â€˜Localization in a one-dimensional Thue-Morse chainâ€™â€™. Physical Review B, 1995, 51, 3273-3275.	3.2	1
29	A postscript on distances in convexn-gons. Discrete and Computational Geometry, 1994, 11, 111-117.	0.6	6
30	Problems and results in discrete mathematics. Discrete Mathematics, 1994, 136, 53-73.	0.7	14
31	Current vortex patterns in the superconducting microladder. Physica B: Condensed Matter, 1994, 194-196, 1425-1426.	2.7	4
32	Independent Transversals in Sparse Partite Hypergraphs. Combinatorics Probability and Computing, 1994, 3, 293-296.	1.3	8
33	On maximal triangle-free graphs. Journal of Graph Theory, 1994, 18, 585-594.	0.9	5
34	The grid revisted. Discrete Mathematics, 1993, 111, 189-196.	0.7	11
35	Clique coverings of the edges of a random graph. Combinatorica, 1993, 13, 1-5.	1.2	23
36	SOME OF MY FAVORITE SOLVED AND UNSOLVED PROBLEMS IN GRAPH THEORY. Quaestiones Mathematicae, 1993, 16, 333-350.	0.6	8

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37	Some Problems and Results in Cochromatic Theory. Annals of Discrete Mathematics, 1993, 55, 261-264.	1.4	10
38	Clique Partitions of Chordal Graphs. Combinatorics Probability and Computing, 1993, 2, 409-415.	1.3	3
39	Transmission characteristics of mesoscopic dichotomic Markov filters. Physical Review B, 1992, 45, 8585-8597.	3.2	2
40	Wave propagation in one-dimensional disordered structures. Physical Review B, 1992, 45, 8572-8584.	3.2	24
41	Cycle-connected graphs. Discrete Mathematics, 1992, 108, 261-278.	0.7	3
42	Covering the cliques of a graph with vertices. Discrete Mathematics, 1992, 108, 279-289.	0.7	58
43	Distinct distances determined by subsets of a point set in space. Computational Geometry: Theory and Applications, 1991, 1, 1-11.	0.5	10
44	Degree sequences in triangle-free graphs. Discrete Mathematics, 1991, 92, 85-88.	0.7	13
45	Some extremal results in cochromatic and dichromatic theory. Journal of Graph Theory, 1991, 15, 579-585.	0.9	43
46	Representations of integers as the sum of k terms. Random Structures and Algorithms, 1990, 1, 245-261.	1.1	45
47	Chromatic Number Versus Cochromatic Number in Graphs with Bounded Clique Number. European Journal of Combinatorics, 1990, 11, 235-240.	0.8	18
48	On the Normal Behavior of the Iterates Of some Arithmetic Functions. Progress in Mathematics, 1990, , 165-204.	0.3	46
49	Density of States of Electrons and Electromagnetic Waves in One-Dimensional Random Media. , 1990, , 49-68.		0
50	A Problem of Leo Moser About Repeated Distances on the Sphere. American Mathematical Monthly, 1989, 96, 569-575.	0.3	29
51	A Problem of Leo Moser About Repeated Distances on the Sphere. American Mathematical Monthly, 1989, 96, 569.	0.3	30
52	Tight bounds on the chromatic sum of a connected graph. Journal of Graph Theory, 1989, 13, 353-357.	0.9	31
53	Some Problems and Results on Combinatorial Number Theory. Annals of the New York Academy of Sciences, 1989, 576, 132-145.	3.8	8
54	Ramanujan and I. Lecture Notes in Mathematics, 1989, , 1-17.	0.2	6

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55	Repeated distances in space. Graphs and Combinatorics, 1988, 4, 207-217.	0.4	12
56	How to make a graph bipartite. Journal of Combinatorial Theory Series B, 1988, 45, 86-98.	1.0	51
57	Partitions of bases into disjoint unions of bases. Journal of Number Theory, 1988, 29, 1-9.	0.4	7
58	Density of states of one-dimensional random potentials. IBM Journal of Research and Development, 1988, 32, 47-51.	3.1	1
59	Clique Partitions and Clique Coverings. Annals of Discrete Mathematics, 1988, 38, 93-101.	1.4	2
60	Problems and results on minimal bases in additive number theory. Lecture Notes in Mathematics, 1987, , 87-96.	0.2	7
61	On the normal number of prime factors of $\phi(n)$. Rocky Mountain Journal of Mathematics, 1985, 15, 343.	0.4	49
62	A note on the interval number of a graph. Discrete Mathematics, 1985, 55, 129-133.	0.7	15
63	Problems and results on consecutive integers and prime factors of binomial coefficients. Rocky Mountain Journal of Mathematics, 1985, 15, 353.	0.4	1
64	Supersaturated graphs and hypergraphs. Combinatorica, 1983, 3, 181-192.	1.2	197
65	Some Remarks and Problems in Number Theory Related to the Work of Euler. Mathematics Magazine, 1983, 56, 292-298.	0.1	11
66	Dot product rearrangements. International Journal of Mathematics and Mathematical Sciences, 1983, 6, 409-418.	0.7	0
67	Theories of electrons in one-dimensional disordered systems. Advances in Physics, 1982, 31, 65-163.	14.4	316
68	Lagrange's Theorem and Thin Subsequences of Squares. , 1981, , 3-9.		8
69	Minimal asymptotic bases for the natural numbers. Journal of Number Theory, 1980, 12, 154-159.	0.4	10
70	Bases and nonbases of square-free integers. Journal of Number Theory, 1979, 11, 197-208.	0.4	4
71	Systems of distinct representatives and minimal bases in additive number theory. Lecture Notes in Mathematics, 1979, , 89-107.	0.2	11
72	On the asymptotic behavior of large prime factors of integers. Pacific Journal of Mathematics, 1979, 82, 295-315.	0.5	8

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73	On a class of relatively prime sequences. Journal of Number Theory, 1978, 10, 451-474.	0.4	1
74	On the largest prime factors of n and n + 1. Aequationes Mathematicae, 1978, 17, 311-321.	0.8	29
75	Rational approximation, II. Advances in Mathematics, 1978, 29, 135-156.	1.1	8
76	A class of Hamiltonian regular graphs. Journal of Graph Theory, 1978, 2, 129-135.	0.9	9
77	A Property of 70. Mathematics Magazine, 1978, 51, 238.	0.1	1
78	Sets of natural numbers with no minimal asymptotic bases. Proceedings of the American Mathematical Society, 1978, 70, 100-100.	0.8	5
79	Nonbases of Density Zero not Contained in Maximal Nonbases. Journal of the London Mathematical Society, 1977, s2-15, 403-405.	1.0	6
80	Hamiltonian cycles in regular graphs of moderate degree. Journal of Combinatorial Theory Series B, 1977, 23, 139-142.	1.0	8
81	Addendum to â€œRational Approximationâ€. Advances in Mathematics, 1977, 25, 91-93.	1.1	1
82	Paul turÃ¡n, 1910â€"1976: His work in graph theory. Journal of Graph Theory, 1977, 1, 97-101.	0.9	10
83	On an additive arithmetic function. Pacific Journal of Mathematics, 1977, 71, 275-294.	0.5	41
84	Partitions of the natural numbers into infinitely oscillating bases and nonbases. Commentarii Mathematici Helvetici, 1976, 51, 171-182.	0.7	7
85	MÃ¼ntz's theorem and rational approximation. Journal of Approximation Theory, 1976, 17, 393-394.	0.8	4
86	Rational approximation. Advances in Mathematics, 1976, 21, 78-109.	1.1	17
87	On a Ramsey-TurÃ¡n type problem. Journal of Combinatorial Theory Series B, 1976, 21, 166-168.	1.0	50
88	Oscillations of Bases for the Natural Numbers. Proceedings of the American Mathematical Society, 1975, 53, 253.	0.8	5
89	Maximal Asymptotic Nonbases. Proceedings of the American Mathematical Society, 1975, 48, 57.	0.8	5
90	Maximal asymptotic nonbases. Proceedings of the American Mathematical Society, 1975, 48, 57-57.	0.8	12

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91	On some problems of elementary and combinatorial geometry. Annali Di Matematica Pura Ed Applicata, 1975, 103, 99-108.	1.0	64
92	Extension de quelques theoremes sur les densites de series d'elements de n a des series de sous-ensembles finis de n. Discrete Mathematics, 1975, 12, 295-308.	0.7	7
93	Oscillations of bases for the natural numbers. Proceedings of the American Mathematical Society, 1975, 53, 253-258.	0.8	12
94	Theory of magnetic properties of actinide compounds. II. Physical Review B, 1974, 9, 2187-2193.	3.2	22
95	Extremal problems among subsets of a set. Discrete Mathematics, 1974, 8, 281-294.	0.7	43
96	Theory of Magnetic Properties of Actinide Compounds. I. Physical Review B, 1973, 8, 4333-4347.	3.2	33
97	Theory of Magnetic Phase Transitions in Metallic Actinide Compounds. , 1973, , .		3
98	Separability properties of almost â€" disjoint families of sets. Israel Journal of Mathematics, 1972, 12, 207-214.	0.8	41
99	Some extremal problems in geometry. Journal of Combinatorial Theory - Series A, 1971, 10, 246-252.	0.8	42
100	Heat Conductivity in Cylindrical Samples. Physical Review B, 1971, 4, 669-670.	3.2	6
101	Behavior of Helical Spin Structures in Applied Magnetic Fields. Physical Review B, 1970, 2, 2642-2648.	3.2	10
102	Low-Temperature Thermal Conductivity of Impure Insulators. Physical Review, 1969, 184, 951-967.	2.7	39
103	Nuclear magnetic resonance experiments and theory of the magnetic properties of NaCrS2. Solid State Communications, 1969, 7, 1673-1676.	1.9	8
104	On coloring graphs to maximize the proportion of multicolored k-edges. Journal of Combinatorial Theory, 1968, 5, 164-169.	0.4	58
105	The Representation of a Graph by Set Intersections. Canadian Journal of Mathematics, 1966, 18, 106-112.	0.6	233
106	Low-Temperature Thermal Conductivity of Insulators Containing Impurities. Physical Review, 1965, 138, A1200-A1207.	2.7	28
107	On analytic iteration. Journal D'Analyse Mathematique, 1960, 8, 361-376.	0.8	24
108	Additive properties of random sequences of positive integers. Acta Arithmetica, 1960, 6, 83-110.	0.4	61

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109	Some remark on Euler's Ï† function. Acta Arithmetica, 1958, 4, 10-19.	0.4	29
110	The Existence of a Distribution Function for an Error Term Related to the Euler Function. Canadian Journal of Mathematics, 1955, 7, 63-75.	0.6	9
111	On the Changes of Sign of a Certain Error Function. Canadian Journal of Mathematics, 1951, 3, 375-385.	0.6	30
112	Additive Arithmetical Functions and Statistical Independence. American Journal of Mathematics, 1939, 61, 713.	1.1	84
113	On the Smoothness of the Asymptotic Distribution of Additive Arithmetical Functions. American Journal of Mathematics, 1939, 61, 722.	1.1	21
114	On Some Sequences of Integers. Journal of the London Mathematical Society, 1936, s1-11, 261-264.	1.0	175
115	ON THE NORMAL NUMBER OF PRIME FACTORS OF p-1 AND SOME RELATED PROBLEMS CONCERNING EULER'S Ã-FUNCTION. Quarterly Journal of Mathematics, 1935, os-6, 205-213.	0.8	106
116	On a Problem in the Elementary Theory of Numbers. American Mathematical Monthly, 1934, 41, 608.	0.3	7
117	On the Density of the Abundant Numbers. Journal of the London Mathematical Society, 1934, s1-9, 278-282.	1.0	29