Oriol Serra AlbÃ³

List of Publications by Year
in descending order

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56 papers	447 citations	840776 11 h-index	794594 19 g-index
57 all docs	57 docs citations	57 times ranked	232 citing authors

#	Article	IF	Citations
1	Efficient dominating sets in Cayley graphs. Discrete Applied Mathematics, 2003, 129, 319-328.	0.9	66
2	A combinatorial proof of the Removal Lemma for Groups. Journal of Combinatorial Theory - Series A, 2009, 116, 971-978.	0.8	42
3	A removal lemma for systems of linear equations over finite fields. Israel Journal of Mathematics, 2012, 187, 193-207.	0.8	33
4	Transversals of additive Latin squares. Israel Journal of Mathematics, 2001, 126, 17-28.	0.8	29
5	An analogue of Vosper's theorem for extension fields. Mathematical Proceedings of the Cambridge Philosophical Society, 2017, 163, 423-452.	0.4	20
6	On the chromatic number of circulant graphs. Discrete Mathematics, 2009, 309, 5687-5696.	0.7	18
7	On Sums of Dilates. Combinatorics Probability and Computing, 2009, 18, 871-880.	1.3	17
8	Connectivity of addition Cayley graphs. Journal of Combinatorial Theory Series B, 2009, 99, 202-217.	1.0	16
9	Punctured combinatorial NullstellensÃtze. Combinatorica, 2009, 29, 511-522.	1.2	15
10	Properties of two-dimensional sets with small sumset. Journal of Combinatorial Theory - Series A, 2010, 117, 164-188.	0.8	12
11	Distance graphs with maximum chromatic number. Discrete Mathematics, 2008, 308, 1355-1365.	0.7	11
12	On the removal lemma for linear systems over Abelian groups. European Journal of Combinatorics, 2013, 34, 248-259.	0.8	11
13	On the critical pair theory in Z/pZ. Acta Arithmetica, 2006, 121, 99-115.	0.4	11
14	Construction of k-arc transitive digraphs. Discrete Mathematics, 2001, 231, 337-349.	0.7	10
15	A localâ€“global principle for vertex-isoperimetric problems. Discrete Mathematics, 2002, 257, 285-309.	0.7	8
16	Rainbow Perfect Matchings in Complete Bipartite Graphs: Existence and Counting. Combinatorics Probability and Computing, 2013, 22, 783-799.	1.3	8
17	Luminescence studies of new [C,N,Nâ€²] cyclometallated platinum(ii) and platinum(iv) compounds. New Journal of Chemistry, 2019, 43, 1247-1256.	2.8	8
18	The ErdÅ‘sâ€“TurÃ¡n property for a class of bases. Acta Arithmetica, 2004, 115, 245-254.	0.4	8

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19	Large sets with small doubling modulo p are well covered by an arithmetic progression. Annales De L'Institut Fourier, 2009, 59, 2043-2060.	0.6	8
20	The Connectivity of addition Cayley graphs. Electronic Notes in Discrete Mathematics, 2007, 29, 135-139.	0.4	7
21	On Sumsets and Convex Hull. Discrete and Computational Geometry, 2014, 52, 705-729.	0.6	7
22	On the critical pair theory in abelian groups: Beyond Chowlaâ€™s Theorem. Combinatorica, 2008, 28, 441-467.	1.2	6
23	Revisiting Kneserâ€™s Theorem for Field Extensions. Combinatorica, 2018, 38, 759-777.	1.2	6
24	On the number of monochromatic solutions of integer linear systems on abelian groups. European Journal of Combinatorics, 2014, 35, 459-473.	0.8	5
25	Rainbow spanning subgraphs in bounded edgeâ€“colourings of graphs with large minimum degree. Electronic Notes in Discrete Mathematics, 2017, 61, 199-205.	0.4	5
26	Rainbow-free 3-colorings of Abelian Groups. Electronic Journal of Combinatorics, 2012, 19, .	0.4	5
27	On some subgroup chains related to Kneserâ€™s theorem. Journal De Theorie Des Nombres De Bordeaux, 2008, 20, 125-130.	0.1	5
28	Onion polygonizations. Information Processing Letters, 1996, 57, 165-173.	0.6	4
29	The vertex isoperimetric problem for the powers of the diamond graph. Discrete Mathematics, 2008, 308, 2067-2074.	0.7	4
30	Inverse Additive Problems for Minkowski Sumsets II. Journal of Geometric Analysis, 2013, 23, 395-414.	1.0	4
31	Automorphism groups of k-arc transitive covers. Discrete Mathematics, 2004, 276, 273-285.	0.7	3
32	Regular chromatic number and the lonely runner problem. Electronic Notes in Discrete Mathematics, 2007, 29, 479-483.	0.4	3
33	On the cardinality of sumsets in torsion-free groups. Bulletin of the London Mathematical Society, 2012, 44, 1034-1041.	0.8	3
34	Counting configuration-free sets in groups. European Journal of Combinatorics, 2017, 66, 281-307.	0.8	3
35	Hidden Cayley graph structures. Discrete Mathematics, 1998, 182, 69-83.	0.7	2
36	A Local-Global Principle for Macaulay Posets. Order, 1999, 16, 57-76.	0.5	2

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37	Some Ramsey and antiâ€“Ramsey results in finite groups. Electronic Notes in Discrete Mathematics, 2007, 28, 437-444.	0.4	2
38	Rainbow Matchings: existence and counting. Electronic Notes in Discrete Mathematics, 2011, 38, 711-716.	0.4	2
39	Remarks on the equality case of the Bonnesen inequality. Archiv Der Mathematik, 2012, 99, 189-199.	0.5	2
40	Yahya Ould Hamidouneâ€™s mathematical journey: A critical review of his work. European Journal of Combinatorics, 2013, 34, 1207-1222.	0.8	2
41	Triangulations and a Discrete Brunnâ€“Minkowski Inequality in the Plane. Discrete and Computational Geometry, 2020, 64, 396-426.	0.6	2
42	Sidon set systems. Revista Matematica Iberoamericana, 2020, 36, 1527-1548.	0.9	2
43	On upper bounds and connectivity of cages. Electronic Notes in Discrete Mathematics, 2007, 28, 137-140.	0.4	1
44	On <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mi>s</mml:mi></mml:math>-arc transitive hypergraphs. European Journal of Combinatorics, 2008, 29, 1003-1011.	0.8	1
45	Cycle codes of graphs and MDS array codes. Electronic Notes in Discrete Mathematics, 2009, 34, 95-99.	0.4	1
46	Rainbow-free 3-colorings in abelian groups. Electronic Notes in Discrete Mathematics, 2009, 34, 133-137.	0.4	1
47	Rainbow perfect matchings in r -partite graph structures. Electronic Notes in Discrete Mathematics, 2016, 54, 193-198.	0.4	1
48	Deviation probabilities for arithmetic progressions and other regular discrete structures. Random Structures and Algorithms, 0, , .	1.1	1
49	Exactly k-arc Transitive Covers. Electronic Notes in Discrete Mathematics, 2000, 5, 321.	0.4	0
50	On the number of monochromatic solutions of integer linear systems on Abelian groups. Electronic Notes in Discrete Mathematics, 2011, 38, 777-781.	0.4	0
51	A structure theorem for small sumsets in nonabelian groups. European Journal of Combinatorics, 2013, 34, 1436-1453.	0.8	0
52	Counting patterns in colored orthogonal arrays. Discrete Mathematics, 2014, 317, 44-52.	0.7	0
53	Counting configurationâ€“free sets in groups. Electronic Notes in Discrete Mathematics, 2015, 49, 549-557.	0.4	0
54	On a Problem by Shapozenko on Johnson Graphs. Graphs and Combinatorics, 2018, 34, 947-964.	0.4	0

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55	On Motzkinâ€™s Problem in the Circle Group. Proceedings of the Steklov Institute of Mathematics, 2021, 314, 44-63.	0.3	0
56	The multicolored graph realization problem. Discrete Applied Mathematics, 2022, , .	0.9	0