

# David E Roberson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4532634/publications.pdf>

Version: 2024-02-01

20  
papers

175  
citations

1307594

7  
h-index

1199594

12  
g-index

20  
all docs

20  
docs citations

20  
times ranked

124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum homomorphisms. Journal of Combinatorial Theory Series B, 2016, 118, 228-267.	1.0	33
2	Quantum and non-signalling graph isomorphisms. Journal of Combinatorial Theory Series B, 2019, 136, 289-328.	1.0	31
3	Nonlocal games and quantum permutation groups. Journal of Functional Analysis, 2020, 279, 108592.	1.4	18
4	Quantum isomorphism is equivalent to equality of homomorphism counts from planar graphs. , 2020, , .		18
5	Bounds on Entanglement-Assisted Source-Channel Coding via the Lovász (vartheta) Number and Its Variants. IEEE Transactions on Information Theory, 2014, 60, 7330-7344.	2.4	17
6	Conic formulations of graph homomorphisms. Journal of Algebraic Combinatorics, 2016, 43, 877-913.	0.8	11
7	Note on von Neumann and Rényi entropies of a graph. Linear Algebra and Its Applications, 2017, 521, 240-253.	0.9	11
8	Sabidussi versus Hedetniemi for three variations of the chromatic number. Combinatorica, 2016, 36, 395-415.	1.2	10
9	Fractional zero forcing via three-color forcing games. Discrete Applied Mathematics, 2016, 213, 114-129.	0.9	6
10	A new property of the Lovász number and duality relations between graph parameters. Discrete Applied Mathematics, 2017, 216, 489-501.	0.9	5
11	Universal Completability, Least Eigenvalue Frameworks, and Vector Colorings. Discrete and Computational Geometry, 2017, 58, 265-292.	0.6	3
12	Graph Cores via Universal Completability. Electronic Notes in Discrete Mathematics, 2015, 49, 337-344.	0.4	2
13	Graph homomorphisms via vector colorings. European Journal of Combinatorics, 2019, 79, 244-261.	0.8	2
14	Vector coloring the categorical product of graphs. Mathematical Programming, 2020, 182, 275-314.	2.4	2
15	Cores of cubelike graphs. European Journal of Combinatorics, 2020, 87, 103092.	0.8	2
16	Homomorphisms of strongly regular graphs. Algebraic Combinatorics, 2019, 2, 481-497.	0.3	2
17	Limit of Gaussian operations and measurements for Gaussian state discrimination and its application to state comparison. Physical Review A, 2021, 103, .	2.5	1
18	Solution group representations as quantum symmetries of graphs. Journal of the London Mathematical Society, 2022, 106, 3379-3410.	1.0	1

#	ARTICLE	IF	CITATIONS
19	Haggkvist's Hell graphs: A class of Kneser-colorable graphs. <i>Discrete Mathematics</i> , 2012, 312, 837-853.	0.7	0
20	Algebras, Graphs and Thetas. <i>Electronic Notes in Theoretical Computer Science</i> , 2019, 346, 275-283.	0.9	0