

Yuval Roichman

List of Publications by Year in descending order

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46
papers

715
citations

687363

13
h-index

580821

25
g-index

46
all docs

46
docs citations

46
times ranked

226
citing authors

#	ARTICLE	IF	CITATIONS
1	Random Cayley graphs and expanders. <i>Random Structures and Algorithms</i> , 1994, 5, 271-284.	1.1	143
2	Descent Numbers and Major Indices for the Hyperoctahedral Group. <i>Advances in Applied Mathematics</i> , 2001, 27, 210-224.	0.7	67
3	The Flag Major Index and Group Actions on Polynomial Rings. <i>European Journal of Combinatorics</i> , 2001, 22, 431-446.	0.8	64
4	Upper bound on the characters of the symmetric groups. <i>Inventiones Mathematicae</i> , 1996, 125, 451-485.	2.5	53
5	The action of a few permutations on r -tuples is quickly transitive. <i>Random Structures and Algorithms</i> , 1998, 12, 335-350.	1.1	38
6	Descent representations and multivariate statistics. <i>Transactions of the American Mathematical Society</i> , 2004, 357, 3051-3082.	0.9	30
7	Combinatorial Gelfand models. <i>Journal of Algebra</i> , 2008, 320, 1311-1325.	0.7	27
8	A Gelfand model for wreath products. <i>Israel Journal of Mathematics</i> , 2010, 179, 381-402.	0.8	21
9	A Recursive Rule for Kazhdan-Lusztig Characters. <i>Advances in Mathematics</i> , 1997, 129, 25-45.	1.1	20
10	Signed Mahonians. <i>Journal of Combinatorial Theory - Series A</i> , 2005, 109, 25-43.	0.8	18
11	Induction and Restriction of Kazhdan-Lusztig Cells. <i>Advances in Mathematics</i> , 1998, 134, 384-398.	1.1	16
12	Matrices, characters and descents. <i>Linear Algebra and Its Applications</i> , 2015, 469, 381-418.	0.9	15
13	On random random walks. <i>Annals of Probability</i> , 1996, 24, 1001.	1.8	14
14	Permutation statistics on the alternating group. <i>Advances in Applied Mathematics</i> , 2004, 33, 676-709.	0.7	13
15	Diameter of graphs of reduced words and galleries. <i>Transactions of the American Mathematical Society</i> , 2012, 365, 2779-2802.	0.9	13
16	Expansion Properties of Cayley Graphs of the Alternating Groups. <i>Journal of Combinatorial Theory - Series A</i> , 1997, 79, 281-297.	0.8	12
17	Schur-positive sets of permutations via products and grid classes. <i>Journal of Algebraic Combinatorics</i> , 2017, 45, 363-405.	0.8	12
18	Equi-distribution over descent classes of the hyperoctahedral group. <i>Journal of Combinatorial Theory - Series A</i> , 2006, 113, 917-933.	0.8	11

#	ARTICLE	IF	CITATIONS
19	Arc permutations. <i>Journal of Algebraic Combinatorics</i> , 2014, 39, 301-334.	0.8	11
20	Character formulas and descents for the hyperoctahedral group. <i>Advances in Applied Mathematics</i> , 2017, 87, 128-169.	0.7	10
21	Alternating subgroups of Coxeter groups. <i>Journal of Combinatorial Theory - Series A</i> , 2008, 115, 845-877.	0.8	9
22	On rotated Schur-positive sets. <i>Journal of Combinatorial Theory - Series A</i> , 2017, 152, 121-137.	0.8	9
23	Hecke Algebra Actions on the Coinvariant Algebra. <i>Journal of Algebra</i> , 2000, 233, 594-613.	0.7	8
24	Statistics on wreath products and generalized binomial-stirling numbers. <i>Israel Journal of Mathematics</i> , 2006, 151, 189-221.	0.8	7
25	Schubert polynomials, Kazhdanâ€“Lusztig basis and characters. <i>Discrete Mathematics</i> , 2000, 217, 353-365.	0.7	6
26	On Trees and Characters. <i>Journal of Algebraic Combinatorics</i> , 2003, 17, 323-334.	0.8	6
27	Triangle-free triangulations. <i>Advances in Applied Mathematics</i> , 2010, 45, 77-95.	0.7	6
28	Cyclic descents for near-hook and two-row shapes. <i>European Journal of Combinatorics</i> , 2019, 79, 152-178.	0.8	6
29	Triangle-Free Triangulations, Hyperplane Arrangements and Shifted Tableaux. <i>Electronic Journal of Combinatorics</i> , 2012, 19, .	0.4	6
30	On characters of Weyl groups. <i>Discrete Mathematics</i> , 2001, 226, 355-358.	0.7	5
31	On Cyclic Descents for Tableaux. <i>International Mathematics Research Notices</i> , 2020, 2020, 10231-10276.	1.0	5
32	Cyclic quasi-symmetric functions. <i>Israel Journal of Mathematics</i> , 2021, 243, 437-500.	0.8	5
33	On Permutation Statistics and Hecke Algebra Characters. , 0, , .		5
34	On maximal chains in the non-crossing partition lattice. <i>Journal of Combinatorial Theory - Series A</i> , 2014, 125, 18-46.	0.8	4
35	Characters of the Symmetric Groups: Formulas, Estimates and Applications. <i>The IMA Volumes in Mathematics and Its Applications</i> , 1999, , 525-545.	0.5	4
36	Decomposition of the conjugacy representation of the symmetric groups. <i>Israel Journal of Mathematics</i> , 1997, 97, 305-316.	0.8	3

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37	Descent Functions and Random Young Tableaux. <i>Combinatorics Probability and Computing</i> , 2001, 10, 187-201.	1.3	2
38	Shape Avoiding Permutations. <i>Journal of Combinatorial Theory - Series A</i> , 2002, 97, 162-176.	0.8	2
39	Hook interpolations. <i>Journal of Algebra</i> , 2002, 258, 543-562.	0.7	2
40	Generalized statistics on S_n and pattern avoidance. <i>European Journal of Combinatorics</i> , 2005, 26, 29-57.	0.8	2
41	The absolute order of a permutation representation of a Coxeter group. <i>Journal of Algebraic Combinatorics</i> , 2014, 39, 75-98.	0.8	2
42	Block decomposition of permutations and Schur-positivity. <i>Journal of Algebraic Combinatorics</i> , 2018, 47, 603-622.	0.8	2
43	Signed arc permutations. <i>Electronic Journal of Combinatorics</i> , 2015, 6, 205-234.	0.1	1
44	The mathematics of Amitai Regev. <i>Advances in Applied Mathematics</i> , 2006, 37, 132-138.	0.7	0
45	Block number, descents and Schur positivity of fully commutative elements in B_n . <i>European Journal of Combinatorics</i> , 2022, 101, 103464.	0.8	0
46	Combinatorial flip actions and Gelfand pairs for affine Weyl groups. <i>Journal of Algebra</i> , 2021, , .	0.7	0