

Federico Ardila

List of Publications by Year in descending order

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papers

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citations

687363

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713466

21
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21
all docs

21
docs citations

21
times ranked

197
citing authors

#	ARTICLE	IF	CITATIONS
1	The Bergman complex of a matroid and phylogenetic trees. <i>Journal of Combinatorial Theory Series B</i> , 2006, 96, 38-49.	1.0	144
2	Tropical hyperplane arrangements and oriented matroids. <i>Mathematische Zeitschrift</i> , 2009, 262, 795-816.	0.9	45
3	Matroid Polytopes and their Volumes. <i>Discrete and Computational Geometry</i> , 2010, 43, 841-854.	0.6	41
4	Root Polytopes and Growth Series of Root Lattices. <i>SIAM Journal on Discrete Mathematics</i> , 2011, 25, 360-378.	0.8	37
5	Flag arrangements and triangulations of products of simplices. <i>Advances in Mathematics</i> , 2007, 214, 495-524.	1.1	36
6	Combinatorics and geometry of power ideals. <i>Transactions of the American Mathematical Society</i> , 2010, 362, 4357-4384.	0.9	36
7	Algebraic and Geometric Methods in Enumerative Combinatorics. <i>Discrete Mathematics and Its Applications</i> , 2015, , 3-172.	0.1	35
8	Positroids and non-crossing partitions. <i>Transactions of the American Mathematical Society</i> , 2016, 368, 337-363.	0.9	25
9	Computing the Tutte polynomial of a hyperplane arrangement. <i>Pacific Journal of Mathematics</i> , 2007, 230, 1-26.	0.5	24
10	The Catalan matroid. <i>Journal of Combinatorial Theory - Series A</i> , 2003, 104, 49-62.	0.8	23
11	Valuations for Matroid Polytope Subdivisions. <i>Canadian Journal of Mathematics</i> , 2010, 62, 1228-1245.	0.6	19
12	Tilings*. <i>Mathematical Intelligencer</i> , 2010, 32, 32-43.	0.2	17
13	Coxeter submodular functions and deformations of Coxeter permutahedra. <i>Advances in Mathematics</i> , 2020, 365, 107039.	1.1	17
14	The closure of a linear space in a product of lines. <i>Journal of Algebraic Combinatorics</i> , 2016, 43, 199-235.	0.8	13
15	Moving Robots Efficiently Using the Combinatorics of CAT(0) Cubical Complexes. <i>SIAM Journal on Discrete Mathematics</i> , 2014, 28, 986-1007.	0.8	11
16	Lifted generalized permutahedra and composition polynomials. <i>Advances in Applied Mathematics</i> , 2013, 50, 607-633.	0.7	7
17	Staircase skew Schur functions are Schur P-positive. <i>Journal of Algebraic Combinatorics</i> , 2012, 36, 409-423.	0.8	5
18	Acyclic Systems of Permutations and Fine Mixed Subdivisions of Simplices. <i>Discrete and Computational Geometry</i> , 2013, 49, 485-510.	0.6	5

#	ARTICLE	IF	CITATIONS
19	Correction to "Combinatorics and geometry of power ideals": Two counterexamples for power ideals of hyperplane arrangements. Transactions of the American Mathematical Society, 2015, 367, 3759-3762.	0.9	5
20	Valuations and the Hopf Monoid of Generalized Permutahedra. International Mathematics Research Notices, 2023, 2023, 4149-4224.	1.0	5
21	The harmonic polytope. Selecta Mathematica, New Series, 2021, 27, 1.	1.0	1