Antoine Deza

List of Publications by Year
in descending order

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57	476	759055 12	794469 19
papers	citations	h-index	g-index

60	60	60	200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Colourful Simplicial Depth. Discrete and Computational Geometry, 2006, 35, 597-615.	0.4	56
2	Fullerenes and coordination polyhedra versus half-cube embeddings. Discrete Mathematics, 1998, 192, 41-80.	0.4	35
3	How many double squares can a string contain?. Discrete Applied Mathematics, 2015, 180, 52-69.	0.5	32
4	A Continuous d-Step Conjecture for Polytopes. Discrete and Computational Geometry, 2009, 41, 318-327.	0.4	29
5	How good are interior point methods? Kleeâ€“Minty cubes tighten iteration-complexity bounds. Mathematical Programming, 2008, 113, 1-14.	1.6	28
6	The Ridge Graph of the Metric Polytope and Some Relatives. , 1994, , 359-372.		25
7	Optimization over Degree Sequences. SIAM Journal on Discrete Mathematics, 2018, 32, 2067-2079.	0.4	21
8	Polytopes and arrangements: Diameter and curvature. Operations Research Letters, 2008, 36, 215-222.	0.5	20
9	Chance constrained optimization for targeted Internet advertising. Omega, 2015, 53, 90-96.	3.6	20
10	Charging station optimization for balanced electric car sharing. Discrete Applied Mathematics, 2022, 308, 187-197.	0.5	15
11	The colourful feasibility problem. Discrete Applied Mathematics, 2008, 156, 2166-2177.	0.5	13
12	Primitive Zonotopes. Discrete and Computational Geometry, 2018, 60, 27-39.	0.4	13
13	Improved bounds on the diameter of lattice polytopes. Acta Mathematica Hungarica, 2018, 154, 457-469.	0.3	13
14	More bounds on the diameters of convex polytopes. Optimization Methods and Software, 2013, 28, 442-450.	1.6	12
15	The central path visits all the vertices of the Kleeâ€“Minty cube. Optimization Methods and Software, 2006, 21, 851-865.	1.6	11
16	On skeletons, diameters and volumes of metric polyhedra. Lecture Notes in Computer Science, 1996, , 112-128.	1.0	10
17	A<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si22.gif" display="inline" overflow="scroll"><mml:mi>d</mml:mi></mml:math>-step approach to the maximum number of distinct squares and runs in strings. Discrete Applied Mathematics, 2014, 163, 268-274.	0.5	10
18	Central Path Curvature and Iteration-Complexity for Redundant Kleeâ€”Minty Cubes. , 2009, , 223.		9

#	Article	IF	Citations
19	More Colourful Simplices. Discrete and Computational Geometry, 2011, 45, 272-278.	0.4	8
20	A d-Step Approach for Distinct Squares in Strings. Lecture Notes in Computer Science, 2011, , 77-89.	1.0	6
21	The diameter of lattice zonotopes. Proceedings of the American Mathematical Society, 2020, 148, 3507-3516.	0.4	6
22	Solitaire Lattices. Graphs and Combinatorics, 2002, 18, 227-243.	0.2	5
23	On component commonality for periodic review assemble-to-order systems. Annals of Operations Research, 2018, 265, 29-46.	2.6	5
24	A Further Generalization of the Colourful CarathÃ©odory Theorem. Fields Institute Communications, 2013, , 179-190.	0.6	5
25	On the solitaire cone and its relationship to multi-commodity flows. Mathematical Programming, 2001, 90, 27-57.	1.6	4
26	The isometries of the cut, metric and hypermetric cones. Journal of Algebraic Combinatorics, 2006, 23, 197-203.	0.4	4
27	A counterexample to the dominating set conjecture. Optimization Letters, 2007, 1, 163-169.	0.9	4
28	A Combinatorial Approach to Colourful Simplicial Depth. SIAM Journal on Discrete Mathematics, 2014, 28, 306-322.	0.4	4
29	A primal-simplex based Tardosâ€™ algorithm. Operations Research Letters, 2015, 43, 625-628.	0.5	4
30	Multiperiod refinery optimization for mitigating the impact of process unit shutdowns. Computers and Chemical Engineering, 2022, 164, 107873.	2.0	4
31	McMullen's conditions and some lower bounds for general convex polytopes. Geometriae Dedicata, 1994, 52, 165-173.	0.1	3
32	On the Face Lattice of the Metric Polytope. Lecture Notes in Computer Science, 2003, , 118-128.	1.0	3
33	Diameter and Curvature: Intriguing Analogies. Electronic Notes in Discrete Mathematics, 2008, 31, 221-225.	0.4	3
34	On the structure of run-maximal strings. Journal of Discrete Algorithms, 2012, 10, 10-14.	0.7	3
35	A computational framework for determining run-maximal strings. Journal of Discrete Algorithms, 2013, 20, 43-50.	0.7	3
36	Computational determination of the largest lattice polytope diameter. Electronic Notes in Discrete Mathematics, 2017, 62, 105-110.	0.4	3

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37	Diameter, Decomposability, and Minkowski Sums of Polytopes. Canadian Mathematical Bulletin, 2019, 62, 741-755.	0.3	3
38	On inventory allocation for periodic review assemble-to-order systems. Discrete Applied Mathematics, 2020, 275, 29-41.	0.5	3
39	On the binary solitaire cone. Discrete Applied Mathematics, 2001, 115, 3-14.	0.5	2
40	On a lemma of Crochemore and Rytter. Journal of Discrete Algorithms, 2015, 34, 18-22.	0.7	2
41	Bannai etÂal. method proves the d-step conjecture for strings. Discrete Applied Mathematics, 2017, 217, 488-494.	0.5	2
42	Preface: Workshop on Advances in Optimization. Discrete Applied Mathematics, 2020, 275, 1-2.	0.5	2
43	A linear optimization oracle for zonotope computation. Computational Geometry: Theory and Applications, 2022, 100, 101809.	0.3	2
44	Primitive point packing. Mathematika, 2022, 68, 979-1007.	0.3	2
45	Un des â€œproblÃ¨mes plaisans et dÃ©lectablesâ€•de Claude Berge. Discrete Mathematics, 2006, 306, 2299-2302.	0.4	1
46	On a conjecture of ErdÅ‘s for multiplicities of cliques. Journal of Discrete Algorithms, 2012, 17, 9-14.	0.7	1
47	A Note on Lower Bounds for Colourful Simplicial Depth. Symmetry, 2013, 5, 47-53.	1.1	1
48	A computational substantiation of the d-step approach to the number of distinct squares problem. Discrete Applied Mathematics, 2016, 212, 81-87.	0.5	1
49	Paths, pivots, and practice: the power of optimization. Annals of Operations Research, 2018, 265, 1-4.	2.6	1
50	Distance between vertices of lattice polytopes. Optimization Letters, 2020, 14, 309-326.	0.9	1
51	Foreword: selected papers from the Franco-Canadian workshop on combinatorial algorithms. Journal of Combinatorial Optimization, 2008, 16, 323-323.	0.8	0
52	On the generalized Berge sorting conjecture. Journal of Discrete Algorithms, 2010, 8, 1-7.	0.7	0
53	SMALL DEGENERATE SIMPLICES CAN BE BAD FOR SIMPLEX METHODS. Journal of the Operations Research Society of Japan, 2017, 60, 419-428.	0.3	0
54	AN ENHANCED PRIMAL-SIMPLEX BASED TARDOS' ALGORITHM FOR LINEAR OPTIMIZATION. Journal of the Operations Research Society of Japan, 2018, 61, 186-196.	0.3	0

#	Article	IF	Citations
55	Preface: Linear optimization. Discrete Applied Mathematics, 2018, 240, 1-2.	0.5	0
56	Computational determination of the largest lattice polytope diameter. Discrete Applied Mathematics, 2020, 281, 106-110.	0.5	0
57	Small Primitive Zonotopes. Springer Proceedings in Mathematics and Statistics, 2018, , 87-107.	0.1	0