

Jean-Philippe P Richard

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

512
citations

687363

13
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

385
citing authors

#	ARTICLE	IF	CITATIONS
1	Allocating security resources to a water supply network. IIE Transactions, 2007, 39, 95-109.	2.1	66
2	Explicit convex and concave envelopes through polyhedral subdivisions. Mathematical Programming, 2013, 138, 531-577.	2.4	54
3	Vulnerability Assessment of Health Care Facilities during Disaster Events. Journal of Infrastructure Systems, 2009, 15, 149-161.	1.8	45
4	A class of algorithms for mixed-integer bilevel min-max optimization. Journal of Global Optimization, 2016, 66, 225-262.	1.8	44
5	On the extreme inequalities of infinite group problems. Mathematical Programming, 2010, 121, 145-170.	2.4	36
6	An integrated supply chain problem: a nested lagrangian relaxation approach. Annals of Operations Research, 2015, 229, 303-323.	4.1	34
7	Facets of Two-Dimensional Infinite Group Problems. Mathematics of Operations Research, 2008, 33, 140-166.	1.3	30
8	Strong valid inequalities for orthogonal disjunctions and bilinear covering sets. Mathematical Programming, 2010, 124, 481-512.	2.4	30
9	Valid inequalities for MIPs and group polyhedra from approximate liftings. Mathematical Programming, 2009, 118, 253-277.	2.4	24
10	The Group-Theoretic Approach in Mixed Integer Programming. , 2010, , 727-801.		24
11	Lifting inequalities: a framework for generating strong cuts for nonlinear programs. Mathematical Programming, 2010, 121, 61-104.	2.4	21
12	Relations between facets of low- and high-dimensional group problems. Mathematical Programming, 2010, 123, 285-313.	2.4	17
13	New inequalities for finite and infinite group problems from approximate lifting. Naval Research Logistics, 2008, 55, 172-191.	2.2	15
14	Deriving convex hulls through lifting and projection. Mathematical Programming, 2018, 169, 377-415.	2.4	15
15	Strong valid inequalities for fluence map optimization problem under dose-volume restrictions. Annals of Operations Research, 2012, 196, 819-840.	4.1	12
16	Warranty-based method for establishing reliability improvement targets. IIE Transactions, 2006, 38, 1049-1058.	2.1	9
17	Simultaneous Convexification of Bilinear Functions over Polytopes with Application to Network Interdiction. SIAM Journal on Optimization, 2017, 27, 1801-1833.	2.0	8
18	Sequential-Merge Facets for Two-Dimensional Group Problems. , 2007, , 30-42.		7

#	ARTICLE	IF	CITATIONS
19	On the polyhedral structure of two-level lot sizing problems with supplier selection. Naval Research Logistics, 2016, 63, 647-666.	2.2	6
20	Lifted Tableau Inequalities for 0-1 Mixed-Integer Programs: A Computational Study. INFORMS Journal on Computing, 2011, 23, 416-424.	1.7	4
21	Lifted inequalities for \mathcal{H}^1 mixed-integer bilinear covering sets. Mathematical Programming, 2014, 145, 403-450.	2.4	2
22	On cutting planes for cardinality-constrained linear programs. Mathematical Programming, 2019, 178, 417-448.	2.4	2
23	Lifting convex inequalities for bipartite bilinear programs. Mathematical Programming, 2023, 197, 587-619.	2.4	1