

Jean-Philippe Richard

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

687
citations

516710

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h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

589
citing authors

#	ARTICLE	IF	CITATIONS
1	A column generation-based heuristic algorithm for an inventory routing problem with perishable goods. <i>Optimization Letters</i> , 2013, 7, 1481-1502.	1.6	96
2	A Lagrangian relaxation approach to simultaneous strategic and tactical planning in supply chain design. <i>Annals of Operations Research</i> , 2013, 203, 55-80.	4.1	73
3	Allocating security resources to a water supply network. <i>IIE Transactions</i> , 2007, 39, 95-109.	2.1	66
4	Explicit convex and concave envelopes through polyhedral subdivisions. <i>Mathematical Programming</i> , 2013, 138, 531-577.	2.4	54
5	A class of algorithms for mixed-integer bilevel min-max optimization. <i>Journal of Global Optimization</i> , 2016, 66, 225-262.	1.8	44
6	An Optimization Model for Empty Freight Car Assignment at Union Pacific Railroad. <i>Interfaces</i> , 2008, 38, 89-102.	1.5	40
7	On the extreme inequalities of infinite group problems. <i>Mathematical Programming</i> , 2010, 121, 145-170.	2.4	36
8	An integrated supply chain problem: a nested lagrangian relaxation approach. <i>Annals of Operations Research</i> , 2015, 229, 303-323.	4.1	34
9	Lifted inequalities for 0-1 mixed integer programming: Basic theory and algorithms. <i>Mathematical Programming</i> , 2003, 98, 89-113.	2.4	30
10	Cook, Kannan and Schrijver's example revisited. <i>Discrete Optimization</i> , 2008, 5, 724-734.	0.9	30
11	Strong valid inequalities for orthogonal disjunctions and bilinear covering sets. <i>Mathematical Programming</i> , 2010, 124, 481-512.	2.4	30
12	A time-space scheduling model for optimizing recurring bulk railcar deliveries. <i>Transportation Research Part B: Methodological</i> , 2008, 42, 438-454.	5.9	28
13	Minimizing the Consequences of Intentional Attack on Water Infrastructure. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2006, 21, 79-92.	9.8	26
14	Valid inequalities for MIPs and group polyhedra from approximate liftings. <i>Mathematical Programming</i> , 2009, 118, 253-277.	2.4	24
15	Lifted inequalities for 0-1 mixed integer programming: Superlinear lifting. <i>Mathematical Programming</i> , 2003, 98, 115-143.	2.4	21
16	Lifting inequalities: a framework for generating strong cuts for nonlinear programs. <i>Mathematical Programming</i> , 2010, 121, 61-104.	2.4	21
17	Mitigating shortage and distribution costs in damaged water networks. <i>Socio-Economic Planning Sciences</i> , 2012, 46, 315-326.	5.0	14
18	Strong valid inequalities for fluence map optimization problem under dose-volume restrictions. <i>Annals of Operations Research</i> , 2012, 196, 819-840.	4.1	12

#	ARTICLE	IF	CITATIONS
19	Linear-Programming-Based Lifting and Its Application to Primal Cutting-Plane Algorithms. INFORMS Journal on Computing, 2009, 21, 137-150.	1.7	5
20	A Consequence Mitigation Model for Water Networks Subject to Intentional Physical Attacks. , 2005, , 1.		3