

Miles Lubin

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,063
citations

643344

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889612

19
g-index

24
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docs citations

24
times ranked

2130
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed-Integer Convex Representability. Mathematics of Operations Research, 2022, 47, 720-749.	0.8	1
2	MathOptInterface: A Data Structure for Mathematical Optimization Problems. INFORMS Journal on Computing, 2022, 34, 672-689.	1.0	22
3	Outer approximation with conic certificates for mixed-integer convex problems. Mathematical Programming Computation, 2020, 12, 249-293.	3.2	22
4	Chance Constraints for Improving the Security of AC Optimal Power Flow. IEEE Transactions on Power Systems, 2019, 34, 1908-1917.	4.6	40
5	Polyhedral approximation in mixed-integer convex optimization. Mathematical Programming, 2018, 172, 139-168.	1.6	34
6	On efficient Hessian computation using the edge pushing algorithm in Julia. Optimization Methods and Software, 2018, 33, 1010-1029.	1.6	7
7	PowerModels. JL: An Open-Source Framework for Exploring Power Flow Formulations. , 2018, , .		92
8	JuMP: A Modeling Language for Mathematical Optimization. SIAM Review, 2017, 59, 295-320.	4.2	1,000
9	Extended formulations in mixed integer conic quadratic programming. Mathematical Programming Computation, 2017, 9, 369-418.	3.2	16
10	Mixed-Integer Convex Representability. Lecture Notes in Computer Science, 2017, , 392-404.	1.0	12
11	Reformulation versus cutting-planes for robust optimization. Computational Management Science, 2016, 13, 195-217.	0.8	65
12	Unit commitment with N-1 Security and wind uncertainty. , 2016, , .		15
13	A Robust Approach to Chance Constrained Optimal Power Flow With Renewable Generation. IEEE Transactions on Power Systems, 2016, 31, 3840-3849.	4.6	173
14	Uncertainty Sets for Wind Power Generation. IEEE Transactions on Power Systems, 2016, 31, 3326-3327.	4.6	80
15	Extended Formulations in Mixed-Integer Convex Programming. Lecture Notes in Computer Science, 2016, , 102-113.	1.0	26
16	A Course on Advanced Software Tools for Operations Research and Analytics. INFORMS Transactions on Education, 2015, 15, 169-179.	0.4	4
17	Computing in Operations Research Using Julia. INFORMS Journal on Computing, 2015, 27, 238-248.	1.0	215
18	Parallel Algebraic Modeling for Stochastic Optimization. , 2014, , .		10

#	ARTICLE	IF	CITATIONS
19	An Augmented Incomplete Factorization Approach for Computing the Schur Complement in Stochastic Optimization. <i>SIAM Journal of Scientific Computing</i> , 2014, 36, C139-C162.	1.3	115
20	Parallel distributed-memory simplex for large-scale stochastic LP problems. <i>Computational Optimization and Applications</i> , 2013, 55, 571-596.	0.9	25
21	On parallelizing dual decomposition in stochastic integer programming. <i>Operations Research Letters</i> , 2013, 41, 252-258.	0.5	49
22	The parallel solution of dense saddle-point linear systems arising in stochastic programming. <i>Optimization Methods and Software</i> , 2012, 27, 845-864.	1.6	15
23	On Parallelizing Dual Decomposition in Stochastic Integer Programming. <i>SSRN Electronic Journal</i> , 2012, , .	0.4	0
24	Scalable stochastic optimization of complex energy systems. , 2011, , .		25