Miles Lubin

List of Publications by Citations

22 papers	1,243 citations	14 h-index	24 g-index
24 ext. papers	1,658 ext. citations	3.1 avg, IF	5.26 L-index

#	Paper	IF	Citations
22	JuMP: A Modeling Language for Mathematical Optimization. *SIAM Review*, **2017**, 59, 295-320	7.4	532
21	Computing in Operations Research Using Julia. *INFORMS Journal on Computing*, **2015**, 27, 238-248	2.4	169
20	A Robust Approach to Chance Constrained Optimal Power Flow With Renewable Generation. *IEEE Transactions on Power Systems*, **2016**, 31, 3840-3849	7	117
19	An Augmented Incomplete Factorization Approach for Computing the Schur Complement in Stochastic Optimization. *SIAM Journal of Scientific Computing*, **2014**, 36, C139-C162	2.6	93
18	Uncertainty Sets for Wind Power Generation. *IEEE Transactions on Power Systems*, **2016**, 31, 3326-3327	7	54
17	Reformulation versus cutting-planes for robust optimization. *Computational Management Science*, **2016**, 13, 195-217	1	46
16	On parallelizing dual decomposition in stochastic integer programming. *Operations Research Letters*, **2013**, 41, 252-258	1	41
15	PowerModels. JL: An Open-Source Framework for Exploring Power Flow Formulations **2018**,		29
14	Polyhedral approximation in mixed-integer convex optimization. *Mathematical Programming*, **2018**, 172, 139-168	2.1	21
13	Extended Formulations in Mixed-Integer Convex Programming. *Lecture Notes in Computer Science*, **2016**, 102-113	0.9	21
12	Parallel distributed-memory simplex for large-scale stochastic LP problems. *Computational Optimization and Applications*, **2013**, 55, 571-596	1.4	20
11	Chance Constraints for Improving the Security of AC Optimal Power Flow. *IEEE Transactions on Power Systems*, **2019**, 34, 1908-1917	7	19
10	Scalable stochastic optimization of complex energy systems **2011**,		14
9	The parallel solution of dense saddle-point linear systems arising in stochastic programming. *Optimization Methods and Software*, **2012**, 27, 845-864	1.3	14
8	Extended formulations in mixed integer conic quadratic programming. *Mathematical Programming Computation*, **2017**, 9, 369-418	7.8	13
7	Mixed-Integer Convex Representability. *Lecture Notes in Computer Science*, **2017**, 392-404	0.9	10
6	Unit commitment with N-1 Security and wind uncertainty **2016**,		9

LIST OF PUBLICATIONS

5	**2014**,		6
4	Outer approximation with conic certificates for mixed-integer convex problems. *Mathematical Programming Computation*, **2020**, 12, 249-293	7.8	5
3	MathOptInterface: A Data Structure for Mathematical Optimization Problems. *INFORMS Journal on Computing*,	2.4	4
2	A Course on Advanced Software Tools for Operations Research and Analytics. *INFORMS Transactions on Education*, **2015**, 15, 169-179	0.3	3
1	On efficient Hessian computation using the edge pushing algorithm in Julia. *Optimization Methods and Software*, **2018**, 33, 1010-1029	1.3	3