

Jan Kronqvist

List of Publications by Year in descending order

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papers

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1040056

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docs citations

22
times ranked

355
citing authors

#	ARTICLE	IF	CITATIONS
1	A review and comparison of solvers for convex MINLP. Optimization and Engineering, 2019, 20, 397-455.	2.4	175
2	Efficient Verification of ReLU-Based Neural Networks via Dependency Analysis. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 3291-3299.	4.9	54
3	The extended supporting hyperplane algorithm for convex mixed-integer nonlinear programming. Journal of Global Optimization, 2016, 64, 249-272.	1.8	51
4	Structural learning in artificial neural networks using sparse optimization. Neurocomputing, 2018, 272, 660-667.	5.9	28
5	Maximizing information from chemical engineering data sets: Applications to machine learning. Chemical Engineering Science, 2022, 252, 117469.	3.8	27
6	ENTMOOT: A framework for optimization over ensemble tree models. Computers and Chemical Engineering, 2021, 151, 107343.	3.8	24
7	Using regularization and second order information in outer approximation for convex MINLP. Mathematical Programming, 2020, 180, 285-310.	2.4	20
8	Reformulations for utilizing separability when solving convex MINLP problems. Journal of Global Optimization, 2018, 71, 571-592.	1.8	17
9	A center-cut algorithm for quickly obtaining feasible solutions and solving convex MINLP problems. Computers and Chemical Engineering, 2019, 122, 105-113.	3.8	12
10	Simulation-based optimization of distillation processes using an extended cutting plane algorithm. Computers and Chemical Engineering, 2022, 159, 107655.	3.8	8
11	Method for solving generalized convex nonsmooth mixed-integer nonlinear programming problems. Journal of Global Optimization, 2017, 69, 443-459.	1.8	7
12	A disjunctive cut strengthening technique for convex MINLP. Optimization and Engineering, 2021, 22, 1315-1345.	2.4	7
13	A center-cut algorithm for solving convex mixed-integer nonlinear programming problems. Computer Aided Chemical Engineering, 2017, , 2131-2136.	0.5	6
14	The supporting hyperplane optimization toolkit for convex MINLP. Journal of Global Optimization, 2022, 84, 1-41.	1.8	6
15	SHOT "A global solver for convex MINLP in Wolfram Mathematica. Computer Aided Chemical Engineering, 2017, , 2137-2142.	0.5	5
16	Between Steps: Intermediate Relaxations Between Big-M and Convex Hull Formulations. Lecture Notes in Computer Science, 2021, , 299-314.	1.3	5
17	Polyhedral approximation strategies for nonconvex mixed-integer nonlinear programming in SHOT. Journal of Global Optimization, 0, , 1.	1.8	5
18	Integration of polyhedral outer approximation algorithms with MIP solvers through callbacks and lazy constraints. AIP Conference Proceedings, 2019, , .	0.4	3

#	ARTICLE	IF	CITATIONS
19	Global Optimization with Ensemble Machine Learning Models. Computer Aided Chemical Engineering, 2020, 48, 1981-1986.	0.5	3
20	Alternative regularizations for Outer-Approximation algorithms for convex MINLP. Journal of Global Optimization, 2022, 84, 807-842.	1.8	3
21	Convex Minlp " An Efficient Tool for Design and Optimization Tasks?. Computer Aided Chemical Engineering, 2019, 47, 245-250.	0.5	2
22	On Solving Nonconvex MINLP Problems with SHOT. Advances in Intelligent Systems and Computing, 2020, , 448-457.	0.6	1