Marko M MÃ¤kelÃ¤

List of Publications by Year
in descending order

36 papers	1,489 citations	516710 16 h-index	454955 30 g-index
39 all docs	39 docs citations	39 times ranked	820 citing authors

#	Article	IF	Citations
1	On scalarizing functions in multiobjective optimization. OR Spectrum, 2002, 24, 193-213.	3.4	270
2	Synchronous approach in interactive multiobjective optimization. European Journal of Operational Research, 2006, 170, 909-922.	5.7	174
3	Introduction to Nonsmooth Optimization. , 2014, , .		153
4	Interactive multiobjective optimization system WWW-NIMBUS on the Internet. Computers and Operations Research, 2000, 27, 709-723.	4.0	94
5	Numerical Comparison of Some Penalty-Based Constraint Handling Techniques in Genetic Algorithms. Journal of Global Optimization, 2003, 27, 427-446.	1.8	94
6	Globally convergent limited memory bundle method for large-scale nonsmooth optimization. Mathematical Programming, 2007, 109, 181-205.	2.4	83
7	Experiments with classification-based scalarizing functions in interactive multiobjective optimization. European Journal of Operational Research, 2006, 175, 931-947.	5.7	43
8	A proximal bundle method for nonsmooth DC optimization utilizing nonconvex cutting planes. Journal of Global Optimization, 2017, 68, 501-535.	1.8	41
9	Optimal Control of Continuous Casting by Nondifferentiable Multiobjective Optimization. Computational Optimization and Applications, 1998, 11, 177-194.	1.6	40
10	Double Bundle Method for finding Clarke Stationary Points in Nonsmooth DC Programming. SIAM Journal on Optimization, 2018, 28, 1892-1919.	2.0	37
11	A new achievement scalarizing function based on parameterization in multiobjective optimization. OR Spectrum, 2012, 34, 69-87.	3.4	27
12	Limited memory bundle method for large bound constrained nonsmooth optimization: convergence analysis. Optimization Methods and Software, 2010, 25, 895-916.	2.4	21
13	An interactive method for nonsmooth multiobjective optimization with an application to optimal control. Optimization Methods and Software, 1993, 2, 31-44.	2.4	20
14	On interactive multiobjective optimization with NIMBUSÂ® in chemical process design. Journal of Multi-Criteria Decision Analysis, 2005, 13, 125-134.	1.9	19
15	On the generalization of ECP and OA methods to nonsmooth convex MINLP problems. Optimization, 2014, 63, 1057-1073.	1.7	18
16	On cone characterizations of weak, proper and Pareto optimality in multiobjective optimization. Mathematical Methods of Operations Research, 2001, 53, 233-245.	1.0	17
17	Comparison of formulations and solution methods for image restoration problems. Inverse Problems, 2001, 17, 1977-1995.	2.0	17
18	Interactive Method NIMBUS for Nondifferentiable Multiobjective Optimization Problems. , 1997, , 310-319.		15

#	Article	IF	Citations
19	Clusterwise support vector linear regression. European Journal of Operational Research, 2020, 287, 19-35.	5.7	14
20	Aggregate subgradient method for nonsmooth DC optimization. Optimization Letters, 2021, 15, 83-96.	1.6	10
21	On Nonsmooth Multiobjective Optimality Conditions with Generalized Convexities. , 2014, , 333-357.		10
22	On solving generalized convex MINLP problems using supporting hyperplane techniques. Journal of Global Optimization, 2018, 71, 987-1011.	1.8	8
23	On sensitivity analysis of nonsmooth multidisciplinary optimization problems in engineering process line applications. Structural and Multidisciplinary Optimization, 2006, 31, 355-362.	3.5	7
24	Method for solving generalized convex nonsmooth mixed-integer nonlinear programming problems. Journal of Global Optimization, 2017, 69, 443-459.	1.8	7
25	On generalized trade-off directions in nonconvex multiobjective optimization. Mathematical Programming, 2002, 92, 141-151.	2.4	5
26	Extended cutting plane method for a class of nonsmooth nonconvex MINLP problems. Optimization, 2013, , 1-21.	1.7	4
27	NIMBUS â€" Interactive Method for Nondifferentiable Multiobjective Optimization Problems. Lecture Notes in Economics and Mathematical Systems, 1996, , 50-57.	0.3	3
28	Characterizing generalized trade-off directions. Mathematical Methods of Operations Research, 2003, 57, 89-100.	1.0	3
29	Subgradient and Bundle Methods for Nonsmooth Optimization. Computational Methods in Applied Sciences (Springer), 2013, , 275-304.	0.3	2
30	Planning the Schedule for the Disposal of the Spent Nuclear Fuel with Interactive Multiobjective Optimization. Algorithms, 2019, 12, 252.	2.1	2
31	Interactive MCDM Support System in the Internet. Lecture Notes in Economics and Mathematical Systems, 1998, , 424-433.	0.3	2
32	On Mixed Integer Nonsmooth Optimization. , 2020, , 549-578.		2
33	Multiobjective Mixed Integer Nonlinear Model to Plan the Schedule for the Final Disposal of the Spent Nuclear Fuel in Finland. Mathematics, 2020, 8, 528.	2.2	1
34	Optimized reference spectrum for rating the faÃ§ade sound insulation. Journal of the Acoustical Society of America, 2020, 148, 3107-3116.	1.1	1
35	Using projected cutting planes in the extended cutting plane method. Optimization, 0, , 1-30.	1.7	0
36	New Multiobjective Proximal Bundle Method with Scaled Improvement Function. , 2020, , 461-479.		0