

Anders Forsgren

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

752
citations

10
h-index

22
g-index

22
ext. papers

837
ext. citations

2.9
avg, IF

3.92
L-index

#	Paper	IF	Citations
22	Exact linesearch limited-memory quasi-Newton methods for minimizing a quadratic function. <i>Computational Optimization and Applications</i> , 2021 , 79, 789-816	1.4	1
21	Approximate solution of system of equations arising in interior-point methods for bound-constrained optimization. <i>Computational Optimization and Applications</i> , 2021 , 79, 155-191	1.4	1
20	On the existence of a short pivoting sequence for a linear program. <i>Operations Research Letters</i> , 2020 , 48, 697-702	1	
19	Novel column generation-based optimization approach for poly-pathway kinetic model applied to CHO cell culture. <i>Metabolic Engineering Communications</i> , 2019 , 8, e00083	6.5	10
18	On exact linesearch quasi-Newton methods for minimizing a quadratic function. <i>Computational Optimization and Applications</i> , 2018 , 69, 225-241	1.4	1
17	Increased accuracy of planning tools for optimization of dynamic multileaf collimator delivery of radiotherapy through reformulated objective functions. <i>Physics in Medicine and Biology</i> , 2018 , 63, 125012	3.8	1
16	Explicit optimization of plan quality measures in intensity-modulated radiation therapy treatment planning. <i>Medical Physics</i> , 2017 , 44, 2045-2053	4.4	13
15	Toward robust adaptive radiation therapy strategies. <i>Medical Physics</i> , 2017 , 44, 2054-2065	4.4	6
14	Robustness analysis of elementary flux modes generated by column generation. <i>Mathematical Biosciences</i> , 2016 , 273, 45-56	3.9	3
13	Primal and dual active-set methods for convex quadratic programming. <i>Mathematical Programming</i> , 2016 , 159, 469-508	2.1	14
12	On the connection between the conjugate gradient method and quasi-Newton methods on quadratic problems. <i>Computational Optimization and Applications</i> , 2015 , 60, 377-392	1.4	1
11	Maximizing the probability of satisfying the clinical goals in radiation therapy treatment planning under setup uncertainty. <i>Medical Physics</i> , 2015 , 42, 3992-9	4.4	17
10	On column generation approaches for approximate solutions of quadratic programs in intensity-modulated radiation therapy. <i>Annals of Operations Research</i> , 2014 , 223, 471-481	3.2	3
9	Iterative Solution of Augmented Systems Arising in Interior Methods. <i>SIAM Journal on Optimization</i> , 2007 , 18, 666-690	2	25
8	Iterative regularization in intensity-modulated radiation therapy optimization. <i>Medical Physics</i> , 2006 , 33, 225-34	4.4	14
7	Using eigenstructure of the Hessian to reduce the dimension of the intensity modulated radiation therapy optimization problem. <i>Annals of Operations Research</i> , 2006 , 148, 81-94	3.2	8
6	Dimensioning multicast-enabled communications networks. <i>Networks</i> , 2002 , 39, 216-231	1.6	10

5	Inertia-controlling factorizations for optimization algorithms. <i>Applied Numerical Mathematics</i> , 2002 , 43, 91-107	2.5	33
4	Interior Methods for Nonlinear Optimization. <i>SIAM Review</i> , 2002 , 44, 525-597	7.4	410
3	Optimality conditions for nonconvex semidefinite programming. <i>Mathematical Programming</i> , 2000 , 88, 105-128	2.1	27
2	Primal-Dual Interior Methods for Nonconvex Nonlinear Programming. <i>SIAM Journal on Optimization</i> , 1998 , 8, 1132-1152	2	113
1	Stability of Symmetric Ill-Conditioned Systems Arising in Interior Methods for Constrained Optimization. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1996 , 17, 187-211	1.5	41