JÃ©rÃ´me Malick

List of Publications by Year
in descending order

38 papers	**949** citations	567281 **15** h-index
38 all docs	**38** docs citations	**38** times ranked

454955 **30** g-index
738 citing authors

#	Article	IF	Citations
1	Superquantile-Based Learning: A Direct Approach Using Gradient-Based Optimization. Journal of Signal Processing Systems, 2022, 94, 161-177.	2.1	1
2	Distributed Learning with Sparse Communications by Identification. SIAM Journal on Mathematics of Data Science, 2021, 3, 715-735.	1.8	1
3	A Superquantile Approach to Federated Learning with Heterogeneous Devices. , 2021, , .		6
4	Superquantiles at Work: Machine Learning Applications and Efficient Subgradient Computation. Set-Valued and Variational Analysis, 2021, 29, 967-996.	1.1	2
5	Asynchronous level bundle methods. Mathematical Programming, 2020, 184, 319-348.	2.4	6
6	Nonsmoothness in Machine Learning: Specific Structure, Proximal Identification, and Applications. Set-Valued and Variational Analysis, 2020, 28, 661-678.	1.1	7
7	First-Order Optimization for Superquantile-Based Supervised Learning. , 2020, , .		4
8	Randomized Progressive Hedging methods for multi-stage stochastic programming. Annals of Operations Research, 2020, 295, 535-560.	4.1	6
9	A Distributed Flexible Delay-Tolerant Proximal Gradient Algorithm. SIAM Journal on Optimization, 2020, 30, 933-959.	2.0	11
10	Approximate Joint Diagonalization with Riemannian Optimization on the General Linear Group. SIAM Journal on Matrix Analysis and Applications, 2020, 41, 152-170.	1.4	8
11	Eventual convexity of probability constraints with elliptical distributions. Mathematical Programming, 2019, 175, 1-27.	2.4	15
12	Riemannian Optimization and Approximate Joint Diagonalization for Blind Source Separation. IEEE Transactions on Signal Processing, 2018, 66, 2041-2054.	5.3	18
13	On the Proximal Gradient Algorithm with Alternated Inertia. Journal of Optimization Theory and Applications, 2018, 176, 688-710.	1.5	23
14	Sensitivity Analysis for Mirror-Stratifiable Convex Functions. SIAM Journal on Optimization, 2018, 28, 2975-3000.	2.0	10
15	Uncontrolled inexact information within bundle methods. EURO Journal on Computational Optimization, 2017, 5, 5-29.	2.4	8
16	Second-order differentiability of probability functions. Optimization Letters, 2017, 11, 179-194.	1.6	13
17	Regularized decomposition of large scale block-structured robust optimization problems. Computational Management Science, 2017, 14, 393-421.	1.3	3
18	Decomposition algorithm for large-scale two-stage unit-commitment. Annals of Operations Research, 2016, 238, 587-613.	4.1	27

#	Article	IF	Citations
19	Spectral (isotropic) manifolds and their dimension. Journal D'Analyse Mathematique, 2016, 128, 369-397.	0.8	5
20	Computational results of a semidefinite branch-and-bound algorithm for k-cluster. Computers and Operations Research, 2016, 66, 153-159.	4.0	18
21	Cut-Generating Functions and <i>S</i>-Free Sets. Mathematics of Operations Research, 2015, 40, 276-391.	1.3	37
22	Improved semidefinite bounding procedure for solving Max-Cut problems to optimality. Mathematical Programming, 2014, 143, 61-86.	2.4	31
23	Prices stabilization for inexact unit-commitment problems. Mathematical Methods of Operations Research, 2013, 78, 341-359.	1.0	6
24	On the bridge between combinatorial optimization and nonlinear optimization: a family of semidefinite bounds for 0â€"1 quadratic problems leading to quasi-Newton methods. Mathematical Programming, 2013, 140, 99-124.	2.4	13
25	Projection-like Retractions on Matrix Manifolds. SIAM Journal on Optimization, 2012, 22, 135-158.	2.0	161
26	Solving $$k$$ -cluster problems to optimality with semidefinite programming. Mathematical Programming, 2012, 136, 279-300.	2.4	19
27	Descentwise inexact proximal algorithms for smooth optimization. Computational Optimization and Applications, 2012, 53, 755-769.	1.6	14
28	A Fresh Variational-Analysis Look at the Positive Semidefinite Matrices World. Journal of Optimization Theory and Applications, 2012, 153, 551-577.	1.5	23
29	Projection methods for conic feasibility problems: applications to polynomial sum-of-squares decompositions. Optimization Methods and Software, 2011, 26, 23-46.	2.4	17
30	Numerical Study of Semidefinite Bounds for the k-cluster Problem. Electronic Notes in Discrete Mathematics, 2010, 36, 399-406.	0.4	3
31	Regularization Methods for Semidefinite Programming. SIAM Journal on Optimization, 2009, 20, 336-356.	2.0	106
32	Alternating Projections on Manifolds. Mathematics of Operations Research, 2008, 33, 216-234.	1.3	138
33	The spherical constraint in Boolean quadratic programs. Journal of Global Optimization, 2007, 39, 609-622.	1.8	15
34	Geometrical interpretation of the predictor-corrector type algorithms in structured optimization problems. Optimization, 2006, 55, 481-503.	1.7	15
35	Clarke Generalized Jacobian of the Projection onto the Cone of Positive Semidefinite Matrices. Set-Valued and Variational Analysis, 2006, 14, 273-293.	0.5	26
36	Newton methods for nonsmooth convex minimization: connections among -Lagrangian, Riemannian Newton and SQP methods. Mathematical Programming, 2005, 104, 609-633.	2.4	30

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37	A Dual Approach to Semidefinite Least-Squares Problems. SIAM Journal on Matrix Analysis and Applications, 2004, 26, 272-284.	1.4	99
38	Proximal Gradient Methods with Adaptive Subspace Sampling. Mathematics of Operations Research, 0, , .	1.3	4