Gabriel Haeser

List of Publications by Year
in descending order

38 papers	664 citations	840776 11 h-index	610901 24 g-index
40 all docs	40 docs citations	40 times ranked	240 citing authors

#	Article	IF	Citations
1	Naive constant rank-type constraint qualifications for multifold second-order cone programming and semidefinite programming. Optimization Letters, 2022, 16, 589-610.	1.6	10
2	On scaled stopping criteria for a safeguarded augmented Lagrangian method with theoretical guarantees. Mathematical Programming Computation, 2022, 14, 121-146.	4.8	4
3	On the best achievable quality of limit points of augmented Lagrangian schemes. Numerical Algorithms, 2022, 90, 851-877.	1.9	6
4	On Optimality Conditions for Nonlinear Conic Programming. Mathematics of Operations Research, 2022, 47, 2160-2185.	1.3	6
5	Global Convergence of Algorithms Under Constant Rank Conditions for Nonlinear Second-Order Cone Programming. Journal of Optimization Theory and Applications, 2022, 195, 42-78.	1.5	3
6	A note on linearly dependent symmetric matrices. Linear and Multilinear Algebra, 2021, 69, 2539-2545.	1.0	0
7	On the behavior of Lagrange multipliers in convex and nonconvex infeasible interior point methods. Mathematical Programming, 2021, 186, 257-288.	2.4	8
8	On the use of Jordan Algebras for improving global convergence of an Augmented Lagrangian method in nonlinear semidefinite programming. Computational Optimization and Applications, 2021, 79, 633-648.	1.6	7
9	On constraint qualifications for second-order optimality conditions depending on a single Lagrange multiplier. Operations Research Letters, 2021, , .	0.7	0
10	Optimality conditions and global convergence for nonlinear semidefinite programming. Mathematical Programming, 2020, 180, 203-235.	2.4	27
11	An Augmented Lagrangian algorithm for nonlinear semidefinite programming applied to the covering problem. Computational and Applied Mathematics, 2020, 39, 1.	2.2	6
12	Towards an efficient augmented Lagrangian method for convex quadratic programming. Computational Optimization and Applications, 2020, 76, 767-800.	1.6	6
13	Constraint Qualifications for Karush–Kuhn–Tucker Conditions in Multiobjective Optimization. Journal of Optimization Theory and Applications, 2020, 187, 469-487.	1.5	8
14	An Augmented Lagrangian method for quasi-equilibrium problems. Computational Optimization and Applications, 2020, 76, 737-766.	1.6	9
15	New Constraint Qualifications with Second-Order Properties in Nonlinear Optimization. Journal of Optimization Theory and Applications, 2020, 184, 494-506.	1.5	4
16	Optimality condition and complexity analysis for linearly-constrained optimization without differentiability on the boundary. Mathematical Programming, 2019, 178, 263-299.	2.4	17
17	New Sequential Optimality Conditions for Mathematical Programs with Complementarity Constraints and Algorithmic Consequences. SIAM Journal on Optimization, 2019, 29, 3201-3230.	2.0	29
18	Optimality Conditions and Constraint Qualifications for Generalized Nash Equilibrium Problems and Their Practical Implications. SIAM Journal on Optimization, 2019, 29, 31-54.	2.0	16

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19	Some theoretical limitations of second-order algorithms for smooth constrained optimization. Operations Research Letters, 2018, 46, 295-299.	0.7	2
20	A second-order optimality condition with first- and second-order complementarity associated with global convergence of algorithms. Computational Optimization and Applications, 2018, 70, 615-639.	1.6	12
21	On a Conjecture in Second-Order Optimality Conditions. Journal of Optimization Theory and Applications, 2018, 176, 625-633.	1.5	8
22	Augmented Lagrangians with constrained subproblems and convergence to second-order stationary points. Computational Optimization and Applications, 2018, 69, 51-75.	1.6	28
23	On the constrained error bound condition and the projected Levenbergâ€"Marquardt method. Optimization, 2017, 66, 1397-1411.	1.7	8
24	On second-order optimality conditions in nonlinear optimization. Optimization Methods and Software, 2017, 32, 22-38.	2.4	9
25	An Extension of Yuanâ€™s Lemma and Its Applications in Optimization. Journal of Optimization Theory and Applications, 2017, 174, 641-649.	1.5	5
26	On fuzzy uncertainties on the logistic equation. Fuzzy Sets and Systems, 2017, 328, 107-121.	2.7	6
27	Erratum â€œA second-order sequential optimality condition associated to the convergence of optimization algorithmsâ€. IMA Journal of Numerical Analysis, 2017, 37, e1-e1.	2.9	29
28	An inexact restoration approach to optimization problems with multiobjective constraints under weighted-sum scalarization. Optimization Letters, 2016, 10, 1315-1325.	1.6	14
29	Convergence detection for optimization algorithms: Approximate-KKT stopping criterion when Lagrange multipliers are not available. Operations Research Letters, 2015, 43, 484-488.	0.7	10
30	A Flexible Inexact-Restoration Method for Constrained Optimization. Journal of Optimization Theory and Applications, 2015, 165, 188-208.	1.5	9
31	Primal-Dual Relationship Between Levenbergâ€"Marquardt and Central Trajectories for Linearly Constrained Convex Optimization. Journal of Optimization Theory and Applications, 2014, 162, 705-717.	1.5	2
32	Two New Weak Constraint Qualifications and Applications. SIAM Journal on Optimization, 2012, 22, 1109-1135.	2.0	76
33	A relaxed constant positive linear dependence constraint qualification and applications. Mathematical Programming, 2012, 135, 255-273.	2.4	109
34	On sequential optimality conditions for smooth constrained optimization. Optimization, 2011, 60, 627-641.	1.7	123
35	On Approximate KKT Condition and its Extension toÂContinuous Variational Inequalities. Journal of Optimization Theory and Applications, 2011, 149, 528-539.	1.5	32
36	On sequential optimality conditions for smooth constrained optimization. Optimization, 2011, 60, 1119-1119.	1.7	0

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37	On the global convergence of interior-pointnonlinear programming algorithms. Computational and Applied Mathematics, 2010, 29, .	2.2	5
38	A second-order sequential optimality condition associated to the convergence of optimization algorithms. IMA Journal of Numerical Analysis, 0, , drw064.	2.9	4