Andreas Fischer

List of Publications by Year
in descending order

62	2,362	377584	252626
papers	citations	21	46
		h-index	g-index

62	62	62	1119
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Semismooth Newton-type method for bilevel optimization: global convergence and extensive numerical experiments. Optimization Methods and Software, 2022, 37, 1770-1804.	1.6	8
2	Unit stepsize for the Newton method close to critical solutions. Mathematical Programming, 2021, 187, 697-721.	1.6	7
3	Constrained Lipschitzian Error Bounds and Noncritical Solutions of Constrained Equations. Set-Valued and Variational Analysis, 2021, 29, 745-765.	0.5	2
4	Accelerating convergence of the globalized Newton method to critical solutions of nonlinear equations. Computational Optimization and Applications, 2021, 78, 273-286.	0.9	3
5	On Noncritical Solutions of Complementarity Systems. Trends in Mathematics, 2021, , 129-141.	0.1	1
6	A Penalty Approach to Linear Programs with Many Two-Sided Constraints. Lecture Notes in Computer Science, 2021, , 206-217.	1.0	1
7	A branch-and-bound approach for a Vehicle Routing Problem with Customer Costs. EURO Journal on Computational Optimization, 2021, 9, 100003.	1.5	11
8	Integer linear programming formulations for the minimum connectivity inference problem and model reduction principles. Discrete Optimization, 2021, 40, 100623.	0.6	0
9	Newton-type methods near critical solutions of piecewise smooth nonlinear equations. Computational Optimization and Applications, 2021, 80, 587-615.	0.9	3
10	Adjusting Dual Iterates in the Presence of Critical Lagrange Multipliers. SIAM Journal on Optimization, 2020, 30, 1555-1581.	1.2	4
11	The Generalized Ellipsoid Method and Its Implementation. Communications in Computer and Information Science, 2020, , 355-370.	0.4	0
12	Cutting stock problems with nondeterministic item lengths: a new approach to server consolidation. 4or, 2019, 17, 173-200.	1.0	8
13	A special complementarity function revisited. Optimization, 2019, 68, 65-79.	1.0	3
14	A Computational Study of Reduction Techniques for the Minimum Connectivity Inference Problem. Advances in Mechanics and Mathematics, 2019, , 135-148.	0.2	1
15	An improved flow-based formulation and reduction principles for the minimum connectivity inference problem. Optimization, 2019, 68, 1963-1983.	1.0	2
16	Local Attractors of Newton-Type Methods for Constrained Equations and Complementarity Problems with Nonisolated Solutions. Journal of Optimization Theory and Applications, 2019, 180, 140-169.	0.8	7
17	An ellipsoid method for minimization of convex function. NaUKMA Research Papers Computer Science, 2019, 2, 16-21.	0.0	1
18	Extending the Cutting Stock Problem for Consolidating Services with Stochastic Workloads. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 2478-2488.	4.0	13

#	Article	IF	Citations
19	A globally convergent LP-Newton method for piecewise smooth constrained equations: escaping nonstationary accumulation points. Computational Optimization and Applications, 2018, 69, 325-349.	0.9	3
20	On the constrained error bound condition and the projected Levenberg–Marquardt method. Optimization, 2017, 66, 1397-1411.	1.0	8
21	Integer Linear Programming Formulations for Cognitive Radio Resource Allocation. IEEE Wireless Communications Letters, 2017, 6, 494-497.	3.2	21
22	A block active set algorithm with spectral choice line search for the symmetric eigenvalue complementarity problem. Applied Mathematics and Computation, 2017, 294, 36-48.	1.4	13
23	Discrete worst-case SINR-maximization. , 2017, , .		1
24	A Globally Convergent LP-Newton Method. SIAM Journal on Optimization, 2016, 26, 2012-2033.	1.2	23
25	Convergence conditions for Newton-type methods applied to complementarity systems with nonisolated solutions. Computational Optimization and Applications, 2016, 63, 425-459.	0.9	16
26	A Branch-and-Bound Algorithm for Discrete Receive Beamforming with Improved Bounds. , 2015, , .		3
27	Energy-Efficient Transceivers for Ultra-Highspeed Computer Board-to-Board Communication. , 2015, , .		16
28	Discrete Receive Beamforming. IEEE Signal Processing Letters, 2015, 22, 958-962.	2.1	8
29	Comments on: Critical Lagrange multipliers: what we currently know about them, how they spoil our lives, and what we can do about it. Top, 2015, 23, 27-31.	1.1	5
30	A railway maintenance scheduling problem with customer costs. EURO Journal on Transportation and Logistics, 2015, 4, 113-137.	1.3	13
31	Efficient optimization of hyper-parameters for least squares support vector regression. Optimization Methods and Software, 2015, 30, 1095-1108.	1.6	3
32	A new error bound result for Generalized Nash Equilibrium Problems and its algorithmic application. Computational Optimization and Applications, 2014, 59, 63-84.	0.9	28
33	An LP-Newton method: nonsmooth equations, KKT systems, and nonisolated solutions. Mathematical Programming, 2014, 146, 1-36.	1.6	77
34	A Levenberg-Marquardt method with approximate projections. Computational Optimization and Applications, 2014, 59, 5-26.	0.9	18
35	Exact algorithms and heuristics for the Quadratic Traveling Salesman Problem with an application in bioinformatics. Discrete Applied Mathematics, 2014, 166, 97-114.	0.5	26
36	GENERALIZED NASH EQUILIBRIUM PROBLEMS - RECENT ADVANCES AND CHALLENGES. Pesquisa Operacional, 2014, 34, 521-558.	0.1	87

#	ARTICLE	IF	CITATIONS
37	A family of Newton methods for nonsmooth constrained systems with nonisolated solutions. Mathematical Methods of Operations Research, 2013, 77, 433-443.	0.4	33
38	A unified local convergence analysis of inexact constrained Levenberg–Marquardt methods. Optimization Letters, 2012, 6, 927-940.	0.9	33
39	A new line search inexact restoration approach for nonlinear programming. Computational Optimization and Applications, 2010, 46, 333-346.	0.9	38
40	On the inexactness level of robust Levenberg–Marquardt methods. Optimization, 2010, 59, 273-287.	1.0	27
41	Generalized Nash equilibrium problems and Newton methods. Mathematical Programming, 2009, 117, 163-194.	1.6	94
42	A Levenberg–Marquardt algorithm for unconstrained multicriteria optimization. Operations Research Letters, 2008, 36, 643-646.	0.5	25
43	Transmitter-Based Minimization of Error Rates in the Downlink of Wireless Systems. , 2008, , .		3
44	On generalized Nash games and variational inequalities. Operations Research Letters, 2007, 35, 159-164.	0.5	234
45	A Framework for Analyzing Local Convergence Properties with Applications to Proximal-Point Algorithms. Journal of Optimization Theory and Applications, 2006, 131, 53-68.	0.8	3
46	Modeling and Optimization of Interference Limited Wireless Communications. Proceedings in Applied Mathematics and Mechanics, 2004, 4, 610-611.	0.2	3
47	Optimization in aircraft engineering including approximate structural evaluations by support vector machines. Proceedings in Applied Mathematics and Mechanics, 2004, 4, 612-613.	0.2	0
48	Local behavior of an iterative framework for generalized equations with nonisolated solutions. Mathematical Programming, 2002, 94, 91-124.	1.6	94
49	The Semismooth Algorithm for Large Scale Complementarity Problems. INFORMS Journal on Computing, 2001, 13, 294-311.	1.0	49
50	Merit Functions for Complementarity and Related Problems: A Survey. Computational Optimization and Applications, 2000, 17, 159-182.	0.9	16
51	On the Identification of Zero Variables in an Interior-Point Framework. SIAM Journal on Optimization, 2000, 10, 1058-1078.	1.2	17
52	A Simply Constrained Optimization Reformulation of KKT Systems Arising from Variational Inequalities. Applied Mathematics and Optimization, 1999, 40, 19-37.	0.8	40
53	Modified Wilson's Method for Nonlinear Programs with Nonunique Multipliers. Mathematics of Operations Research, 1999, 24, 699-727.	0.8	40
54	A block active set algorithm for large-scale quadratic programming with box constraints. Annals of Operations Research, 1998, 81, 75-96.	2.6	11

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55	New Constrained Optimization Reformulation of Complementarity Problems. Journal of Optimization Theory and Applications, 1998, 97, 105-117.	0.8	21
56	On the Accurate Identification of Active Constraints. SIAM Journal on Optimization, 1998, 9, 14-32.	1.2	164
57	Regularity Properties of a Semismooth Reformulation of Variational Inequalities. SIAM Journal on Optimization, 1998, 8, 850-869.	1.2	55
58	Solution of monotone complementarity problems with locally Lipschitzian functions. Mathematical Programming, 1997, 76, 513-532.	1.6	176
59	On finite termination of an iterative method for linear complementarity problems. Mathematical Programming, 1996, 74, 279-292.	1.6	31
60	Inexact Newton Methods for Semismooth Equations with Applications to Variational Inequality Problems. , 1996, , 125-139.		39
61	An NCP–Function and its Use for the Solution of Complementarity Problems. , 1995, , 88-105.		66
62	A special newton-type optimization method. Optimization, 1992, 24, 269-284.	1.0	606