

Marco Sciandrone

List of Publications by Year in descending order

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57
papers

2,136
citations

293460

24
h-index

263392

45
g-index

58
all docs

58
docs citations

58
times ranked

2171
citing authors

#	ARTICLE	IF	CITATIONS
1	A study on sequential minimal optimization methods for standard quadratic problems. <i>4or</i> , 2022, 20, 685-712.	1.0	1
2	Nonlinear optimization and support vector machines. <i>Annals of Operations Research</i> , 2022, 314, 15-47.	2.6	16
3	Convergent Inexact Penalty Decomposition Methods for Cardinality-Constrained Problems. <i>Journal of Optimization Theory and Applications</i> , 2021, 188, 473-496.	0.8	5
4	Comprehensive disease control in systemic lupus erythematosus. <i>Seminars in Arthritis and Rheumatism</i> , 2021, 51, 404-408.	1.6	8
5	A parameter-free unconstrained reformulation for nonsmooth problems with convex constraints. <i>Computational Optimization and Applications</i> , 2021, 80, 33-53.	0.9	6
6	Football: Discovering elapsing-time bias in the science of success. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111370.	2.5	2
7	An Alternating Augmented Lagrangian method for constrained nonconvex optimization. <i>Optimization Methods and Software</i> , 2020, 35, 502-520.	1.6	2
8	A unified convergence framework for nonmonotone inexact decomposition methods. <i>Computational Optimization and Applications</i> , 2020, 75, 113-144.	0.9	3
9	A concave optimization-based approach for sparse multiobjective programming. <i>Optimization Letters</i> , 2020, 14, 535-556.	0.9	2
10	On the convergence of steepest descent methods for multiobjective optimization. <i>Computational Optimization and Applications</i> , 2020, 77, 1-27.	0.9	10
11	Modeling cancer drug response through drug-specific informative genes. <i>Scientific Reports</i> , 2019, 9, 15222.	1.6	42
12	A computational study of path-based methods for optimal traffic assignment with both inelastic and elastic demand. <i>Computers and Operations Research</i> , 2019, 103, 158-166.	2.4	9
13	Scheduling the Italian National Volleyball Tournament. <i>Interfaces</i> , 2018, 48, 271-284.	1.6	15
14	Machine learning methods for short-term bid forecasting in the renewable energy market: A case study in Italy. <i>Wind Energy</i> , 2018, 21, 357-371.	1.9	17
15	A convergent and fast path equilibration algorithm for the traffic assignment problem. <i>Optimization Methods and Software</i> , 2018, 33, 354-371.	1.6	13
16	An implicit filtering algorithm for derivative-free multiobjective optimization with box constraints. <i>Computational Optimization and Applications</i> , 2018, 69, 267-296.	0.9	19
17	A nonmonotone trust-region method for generalized Nash equilibrium and related problems with strong convergence properties. <i>Computational Optimization and Applications</i> , 2018, 69, 629-652.	0.9	2
18	Biomarkers of erosive arthritis in systemic lupus erythematosus: Application of machine learning models. <i>PLoS ONE</i> , 2018, 13, e0207926.	1.1	33

#	ARTICLE	IF	CITATIONS
19	Nonlinear optimization and support vector machines. <i>4or</i> , 2018, 16, 111-149.	1.0	19
20	Prediction of chronic damage in systemic lupus erythematosus by using machine-learning models. <i>PLoS ONE</i> , 2017, 12, e0174200.	1.1	34
21	Intracranial pressure wave morphological classification: automated analysis and clinical validation. <i>Acta Neurochirurgica</i> , 2016, 158, 581-588.	0.9	49
22	A cubic regularization algorithm for unconstrained optimization using line search and nonmonotone techniques. <i>Optimization Methods and Software</i> , 2016, 31, 1008-1035.	1.6	15
23	On the use of iterative methods in cubic regularization for unconstrained optimization. <i>Computational Optimization and Applications</i> , 2015, 60, 35-57.	0.9	31
24	A convergent and efficient decomposition method for the traffic assignment problem. <i>Computational Optimization and Applications</i> , 2015, 60, 151-170.	0.9	12
25	A convergent inexact solution method for equilibrium problems. <i>Optimization Methods and Software</i> , 2014, 29, 979-991.	1.6	12
26	An incremental decomposition method for unconstrained optimization. <i>Applied Mathematics and Computation</i> , 2014, 235, 80-86.	1.4	2
27	On the convergence of inexact block coordinate descent methods for constrained optimization. <i>European Journal of Operational Research</i> , 2013, 231, 274-281.	3.5	18
28	An incremental least squares algorithm for large scale linear classification. <i>European Journal of Operational Research</i> , 2013, 224, 560-565.	3.5	11
29	A concave optimization-based approach for sparse portfolio selection. <i>Optimization Methods and Software</i> , 2012, 27, 983-1000.	1.6	23
30	Machine learning for global optimization. <i>Computational Optimization and Applications</i> , 2012, 51, 279-303.	0.9	41
31	Decomposition algorithms for generalized potential games. <i>Computational Optimization and Applications</i> , 2011, 50, 237-262.	0.9	90
32	Concave programming for minimizing the zero-norm over polyhedral sets. <i>Computational Optimization and Applications</i> , 2010, 46, 467-486.	0.9	59
33	Real-Time Epileptic Seizure Prediction Using AR Models and Support Vector Machines. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 1124-1132.	2.5	213
34	Feature selection combining linear support vector machines and concave optimization. <i>Optimization Methods and Software</i> , 2010, 25, 117-128.	1.6	11
35	Sequential Penalty Derivative-Free Methods for Nonlinear Constrained Optimization. <i>SIAM Journal on Optimization</i> , 2010, 20, 2614-2635.	1.2	55
36	Decomposition Algorithm Model for Singly Linearly-Constrained Problems Subject to Lower and Upper Bounds. <i>Journal of Optimization Theory and Applications</i> , 2009, 141, 107-126.	0.8	31

#	ARTICLE	IF	CITATIONS
37	A convergent decomposition method for box-constrained optimization problems. Optimization Letters, 2009, 3, 397-409.	0.9	5
38	A patient adaptable ECG beat classifier based on neural networks. Applied Mathematics and Computation, 2009, 213, 243-249.	1.4	37
39	A Convergent Hybrid Decomposition Algorithm Model for SVM Training. IEEE Transactions on Neural Networks, 2009, 20, 1055-1060.	4.8	18
40	Nonmonotone derivative-free methods for nonlinear equations. Computational Optimization and Applications, 2007, 37, 297-328.	0.9	38
41	A convergent decomposition algorithm for support vector machines. Computational Optimization and Applications, 2007, 38, 217-234.	0.9	22
42	A Derivative-Free Algorithm for Linearly Constrained Finite Minimax Problems. SIAM Journal on Optimization, 2006, 16, 1054-1075.	1.2	36
43	Higher-Order Method for the Solution of a Nonlinear Scalar Equation. Journal of Optimization Theory and Applications, 2006, 131, 347-364.	0.8	10
44	A Truncated Nonmonotone Gauss-Newton Method for Large-Scale Nonlinear Least-Squares Problems. Computational Optimization and Applications, 2006, 34, 343-358.	0.9	35
45	An Algorithm Model for Mixed Variable Programming. SIAM Journal on Optimization, 2005, 15, 1057-1084.	1.2	36
46	On the convergence of a modified version of SVMlight algorithm. Optimization Methods and Software, 2005, 20, 317-334.	1.6	29
47	Use of the Minimum-Norm Search Direction in a Nonmonotone Version of the Gauss-Newton Method. Journal of Optimization Theory and Applications, 2003, 119, 65-82.	0.8	10
48	On the Global Convergence of Derivative-Free Methods for Unconstrained Optimization. SIAM Journal on Optimization, 2002, 13, 97-116.	1.2	67
49	Objective-derivative-free methods for constrained optimization. Mathematical Programming, 2002, 92, 37-59.	1.6	52
50	A Derivative-Free Algorithm for Bound Constrained Optimization. Computational Optimization and Applications, 2002, 21, 119-142.	0.9	68
51	Nonmonotone Globalization Techniques for the Barzilai-Borwein Gradient Method. Computational Optimization and Applications, 2002, 23, 143-169.	0.9	100
52	Efficient training of RBF neural networks for pattern recognition. IEEE Transactions on Neural Networks, 2001, 12, 1235-1242.	4.8	43
53	Global Convergence Technique for the Newton Method with Periodic Hessian Evaluation. Journal of Optimization Theory and Applications, 2001, 111, 341-358.	0.8	9
54	Convergent Decomposition Techniques for Training RBF Neural Networks. Neural Computation, 2001, 13, 1891-1920.	1.3	18

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55	On the convergence of the block nonlinear Gauss-Seidel method under convex constraints. Operations Research Letters, 2000, 26, 127-136.	0.5	474
56	Compact low field magnetic resonance imaging magnet: Design and optimization. Review of Scientific Instruments, 2000, 71, 1534-1538.	0.6	12
57	Globally convergent block-coordinate techniques for unconstrained optimization. Optimization Methods and Software, 1999, 10, 587-637.	1.6	84