Antonio Fuduli

List of Publications by Year
in descending order

30 papers	663 citations	516561 16 h-index	580701 25 g-index
32 all docs	32 docs citations	32 times ranked	264 citing authors

#	Article	IF	Citations
1	Minimizing Nonconvex Nonsmooth Functions via Cutting Planes and Proximity Control. SIAM Journal on Optimization, 2004, 14, 743-756.	1.2	90
2	Nonsmooth Optimization Techniques for Semisupervised Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 2135-2142.	9.7	53
3	A DC piecewise affine model and a bundling technique in nonconvex nonsmooth minimization. Optimization Methods and Software, 2004, 19, 89-102.	1.6	52
4	Melanoma Detection by Means of Multiple Instance Learning. Interdisciplinary Sciences, Computational Life Sciences, 2020, 12, 24-31.	2.2	42
5	DC models for spherical separation. Journal of Global Optimization, 2010, 48, 657-669.	1.1	39
6	Margin maximization in spherical separation. Computational Optimization and Applications, 2012, 53, 301-322.	0.9	33
7	Melanoma detection using color and texture features in computer vision systems. Advances in Science, Technology and Engineering Systems, 2019, 4, 16-22.	0.4	28
8	Support Vector Machine Polyhedral Separability in Semisupervised Learning. Journal of Optimization Theory and Applications, 2015, 164, 1039-1050.	0.8	27
9	The Proximal Trajectory Algorithm in SVM Cross Validation. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 966-977.	7.2	26
10	A Lagrangian Relaxation Approach for Binary Multiple Instance Classification. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2662-2671.	7.2	25
11	Non-smoothness in classification problems. Optimization Methods and Software, 2008, 23, 675-688.	1.6	23
12	A Multiple Instance Learning Algorithm for Color Images Classification. , 2018, , .		21
13	Integrated Shipment Dispatching and Packing Problems: a Case Study. Mathematical Modelling and Algorithms, 2007, 6, 77-85.	0.5	20
14	A Nonmonotone Proximal Bundle Method with (Potentially) Continuous Step Decisions. SIAM Journal on Optimization, 2013, 23, 1784-1809.	1.2	18
15	A bundle modification strategy for convex minimization. European Journal of Operational Research, 2007, 180, 38-47.	3.5	17
16	A splitting bundle approach for non-smooth non-convex minimization. Optimization, 2015, 64, 1131-1151.	1.0	17
17	Spherical separation with infinitely far center. Soft Computing, 2020, 24, 17751-17759.	2.1	17
18	A Semiproximal Support Vector Machine Approach for Binary Multiple Instance Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3566-3577.	7.2	16

#	Article	IF	Citations
19	A partially inexact bundle method for convex semi-infinite minmax problems. Communications in Nonlinear Science and Numerical Simulation, 2015, 21, 172-180.	1.7	15
20	On a recent algorithm for multiple instance learning. Preliminary applications in image classification. , 2017, , .		15
21	Tuning Strategy for the Proximity Parameter in Convex Minimization. Journal of Optimization Theory and Applications, 2006, 130, 95-112.	0.8	14
22	Semisupervised spherical separation. Applied Mathematical Modelling, 2015, 39, 6351-6358.	2.2	10
23	Viral pneumonia images classification by Multiple Instance Learning: preliminary results. , 2021, , .		10
24	SVM-Based Multiple Instance Classification via DC Optimization. Algorithms, 2019, 12, 249.	1.2	9
25	Nonlinear programming for classification problems in machine learning. AIP Conference Proceedings, 2016, , .	0.3	6
26	A maximum-margin multisphere approach for binary Multiple Instance Learning. European Journal of Operational Research, 2022, 299, 642-652.	3.5	5
27	A heuristic approach for multiple instance learning by linear separation. Soft Computing, 2022, 26, 3361-3368.	2.1	5
28	A subset-sum type formulation of a two-agent single-machine scheduling problem. Information Processing Letters, 2020, 155, 105886.	0.4	4
29	A truncated SQP algorithm for solving nonconvex equality constrained optimization problems. Applied Optimization, 2003, , 149-176.	0.4	2
30	A Lagrangian heuristics for balancing the average weighted completion times of two classes of jobs in a single-machine scheduling problem. EURO Journal on Computational Optimization, 2022, 10, 100032.	1.5	2