Veronica Piccialli

List of Publications by Citations

43 papers	**943** citations	**16** h-index	**30** g-index
46 ext. papers	**1,162** ext. citations	**2.7** avg, IF	**4.57** L-index

#	Paper	IF	Citations
43	On generalized Nash games and variational inequalities. *Operations Research Letters*, **2007**, 35, 159-164	1	170
42	A game-theoretic approach to computation offloading in mobile cloud computing. *Mathematical Programming*, **2016**, 157, 421-449	2.1	115
41	Generalized Nash equilibrium problems and Newton methods. *Mathematical Programming*, **2009**, 117, 163-194	2.1	78
40	Decomposition algorithms for generalized potential games. *Computational Optimization and Applications*, **2011**, 50, 237-262	1.4	66
39	New global optimization methods for ship design problems. *Optimization and Engineering*, **2009**, 10, 533-555	2.5	49
38	A partition-based global optimization algorithm. *Journal of Global Optimization*, **2010**, 48, 113-128	1.5	44
37	A DIRECT-based approach exploiting local minimizations for the solution of large-scale global optimization problems. *Computational Optimization and Applications*, **2010**, 45, 353-375	1.4	43
36	New Classes of Globally Convexized Filled Functions for Global Optimization. *Journal of Global Optimization*, **2002**, 24, 219-236	1.5	42
35	Optimization of multistage membrane gas separation processes. Example of application to CO2 capture from blast furnace gas. *Journal of Membrane Science*, **2018**, 566, 346-366	9.6	36
34	An Algorithm Model for Mixed Variable Programming. *SIAM Journal on Optimization*, **2005**, 15, 1057-1084	4	28
33	A Game-Theoretic Approach for Regulating Hazmat Transportation. *Transportation Science*, **2016**, 50, 424-438	4.4	25
32	A Modified DIviding RECTangles Algorithm for a Problem in Astrophysics. *Journal of Optimization Theory and Applications*, **2011**, 151, 175-190	1.6	20
31	Exploiting derivative-free local searches in DIRECT-type algorithms for global optimization. *Computational Optimization and Applications*, **2016**, 65, 449-475	1.4	19
30	A DIRECT-type approach for derivative-free constrained global optimization. *Computational Optimization and Applications*, **2016**, 65, 361-397	1.4	19
29	Improving Non-Intrusive Load Disaggregation through an Attention-Based Deep Neural Network. *Energies*, **2021**, 14, 847	3.1	19
28	Polymeric membrane materials for nitrogen production from air: A process synthesis study. *Chemical Engineering Science*, **2019**, 207, 1196-1213	4.4	18
27	A multi-objective DIRECT algorithm for ship hull optimization. *Computational Optimization and Applications*, **2018**, 71, 53-72	1.4	13

#	Reference		
26	A magnetic resonance device designed via global optimization techniques. *Mathematical Programming*, **2004**, 101, 339	2.1	13
25	Optimal process design of biogas upgrading membrane systems: Polymeric vs high performance inorganic membrane materials. *Chemical Engineering Science*, **2020**, 225, 115769	4.4	12
24	Euclidean distance matrices, semidefinite programming and sensor network localization. *Portugaliae Mathematica*, **2011**, 53-102	0.4	12
23	An Optimization-Based Method for Feature Ranking in Nonlinear Regression Problems. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 1005-1010	10.3	11
22	Nonlinear optimization and support vector machines. *4or*, **2018**, 16, 111-149	1.4	10
21	An unconstrained minimization method for solving low-rank SDP relaxations of the maxcut problem. *Mathematical Programming*, **2011**, 126, 119-146	2.1	8
20	Computational Approaches to Max-Cut. *Profiles in Operations Research*, **2012**, 821-847	1	8
19	SpeeDP: an algorithm to compute SDP bounds for very large Max-Cut instances. *Mathematical Programming*, **2012**, 136, 353-373	2.1	7
18	Necessary and sufficient global optimality conditions for NLP reformulations of linear SDP problems. *Journal of Global Optimization*, **2009**, 44, 339-348	1.5	7
17	Single courier single restaurant meal delivery (without routing). *Operations Research Letters*, **2019**, 47, 537-541	1	6
16	Scheduling the Italian National Volleyball Tournament. *Interfaces*, **2018**, 48, 271-284	0.7	5
15	A New Early Stopping Method for P300 Spellers. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2019**, 27, 1635-1643	4.8	5
14	A new branch-and-bound algorithm for standard quadratic programming problems. *Optimization Methods and Software*, **2019**, 34, 79-97	1.3	5
13	A machine learning approach for forecasting hierarchical time series. *Expert Systems With Applications*, **2021**, 182, 115102	7.8	5
12	Operations Research Models for Global Route Planning in Hazardous Material Transportation. *Profiles in Operations Research*, **2013**, 49-101	1	5
11	Design of induction motors using a mixed-variable approach. *Computational Management Science*, **2005**, 2, 213-228	1	4
10	A derivative-based algorithm for a particular class of mixed variable optimization problems. *Optimization Methods and Software*, **2004**, 19, 371-387	1.3	3
9	Mixed-Integer Nonlinear Programming for State-based Non-Intrusive Load Monitoring. *IEEE Transactions on Smart Grid*, **2022**, 1-1	10.7	3

8	Optimal design of a regional railway service in Italy. *Journal of Rail Transport Planning and Management*, **2017**, 7, 308-319	2.1	2
7	Computing mixed strategies equilibria in presence of switching costs by the solution of nonconvex QP problems. *Computational Optimization and Applications*, **2021**, 79, 561-599	1.4	2
6	Group study via collaborative BCI **2019**,		2
5	Global Optimization of Simulation Based Complex Systems. *Operations Research/ Computer Science Interfaces Series*, **2015**, 173-202	0.3	1
4	Improving P300 Speller performance by means of optimization and machine learning. *Annals of Operations Research*,1	3.2	1
3	Football: Discovering elapsing-time bias in the science of success. *Chaos, Solitons and Fractals*, **2021**, 152, 111370	9.3	1
2	Nonlinear optimization and support vector machines. *Annals of Operations Research*,1	3.2	0
1	Three methods for robust grading. *European Journal of Operational Research*, **2019**, 272, 364-371	5.6	