

# Veronica Piccialli

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Mixed-Integer Nonlinear Programming for State-based Non-Intrusive Load Monitoring. <i>IEEE Transactions on Smart Grid</i> , <b>2022</b> , 1-1	10.7	3
42	Computing mixed strategies equilibria in presence of switching costs by the solution of nonconvex QP problems. <i>Computational Optimization and Applications</i> , <b>2021</b> , 79, 561-599	1.4	2
41	Improving Non-Intrusive Load Disaggregation through an Attention-Based Deep Neural Network. <i>Energies</i> , <b>2021</b> , 14, 847	3.1	19
40	A machine learning approach for forecasting hierarchical time series. <i>Expert Systems With Applications</i> , <b>2021</b> , 182, 115102	7.8	5
39	Football: Discovering elapsing-time bias in the science of success. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 152, 111370	9.3	1
38	Optimal process design of biogas upgrading membrane systems: Polymeric vs high performance inorganic membrane materials. <i>Chemical Engineering Science</i> , <b>2020</b> , 225, 115769	4.4	12
37	Three methods for robust grading. <i>European Journal of Operational Research</i> , <b>2019</b> , 272, 364-371	5.6	
36	Polymeric membrane materials for nitrogen production from air: A process synthesis study. <i>Chemical Engineering Science</i> , <b>2019</b> , 207, 1196-1213	4.4	18
35	A New Early Stopping Method for P300 Spellers. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2019</b> , 27, 1635-1643	4.8	5
34	Single courier single restaurant meal delivery (without routing). <i>Operations Research Letters</i> , <b>2019</b> , 47, 537-541	1	6
33	Group study via collaborative BCI <b>2019</b> ,		2
32	A new branch-and-bound algorithm for standard quadratic programming problems. <i>Optimization Methods and Software</i> , <b>2019</b> , 34, 79-97	1.3	5
31	Scheduling the Italian National Volleyball Tournament. <i>Interfaces</i> , <b>2018</b> , 48, 271-284	0.7	5
30	A multi-objective DIRECT algorithm for ship hull optimization. <i>Computational Optimization and Applications</i> , <b>2018</b> , 71, 53-72	1.4	13
29	Optimization of multistage membrane gas separation processes. Example of application to CO2 capture from blast furnace gas. <i>Journal of Membrane Science</i> , <b>2018</b> , 566, 346-366	9.6	36
28	Nonlinear optimization and support vector machines. <i>4or</i> , <b>2018</b> , 16, 111-149	1.4	10
27	An Optimization-Based Method for Feature Ranking in Nonlinear Regression Problems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 1005-1010	10.3	11

26	Optimal design of a regional railway service in Italy. <i>Journal of Rail Transport Planning and Management</i> , <b>2017</b> , 7, 308-319	2.1	2
25	A Game-Theoretic Approach for Regulating Hazmat Transportation. <i>Transportation Science</i> , <b>2016</b> , 50, 424-438	4.4	25
24	A game-theoretic approach to computation offloading in mobile cloud computing. <i>Mathematical Programming</i> , <b>2016</b> , 157, 421-449	2.1	115
23	Exploiting derivative-free local searches in DIRECT-type algorithms for global optimization. <i>Computational Optimization and Applications</i> , <b>2016</b> , 65, 449-475	1.4	19
22	A DIRECT-type approach for derivative-free constrained global optimization. <i>Computational Optimization and Applications</i> , <b>2016</b> , 65, 361-397	1.4	19
21	Global Optimization of Simulation Based Complex Systems. <i>Operations Research/ Computer Science Interfaces Series</i> , <b>2015</b> , 173-202	0.3	1
20	Operations Research Models for Global Route Planning in Hazardous Material Transportation. <i>Profiles in Operations Research</i> , <b>2013</b> , 49-101	1	5
19	SpeedDP: an algorithm to compute SDP bounds for very large Max-Cut instances. <i>Mathematical Programming</i> , <b>2012</b> , 136, 353-373	2.1	7
18	Computational Approaches to Max-Cut. <i>Profiles in Operations Research</i> , <b>2012</b> , 821-847	1	8
17	Euclidean distance matrices, semidefinite programming and sensor network localization. <i>Portugaliae Mathematica</i> , <b>2011</b> , 53-102	0.4	12
16	A Modified Dividing RECTangles Algorithm for a Problem in Astrophysics. <i>Journal of Optimization Theory and Applications</i> , <b>2011</b> , 151, 175-190	1.6	20
15	Decomposition algorithms for generalized potential games. <i>Computational Optimization and Applications</i> , <b>2011</b> , 50, 237-262	1.4	66
14	An unconstrained minimization method for solving low-rank SDP relaxations of the maxcut problem. <i>Mathematical Programming</i> , <b>2011</b> , 126, 119-146	2.1	8
13	A partition-based global optimization algorithm. <i>Journal of Global Optimization</i> , <b>2010</b> , 48, 113-128	1.5	44
12	A DIRECT-based approach exploiting local minimizations for the solution of large-scale global optimization problems. <i>Computational Optimization and Applications</i> , <b>2010</b> , 45, 353-375	1.4	43
11	Generalized Nash equilibrium problems and Newton methods. <i>Mathematical Programming</i> , <b>2009</b> , 117, 163-194	2.1	78
10	New global optimization methods for ship design problems. <i>Optimization and Engineering</i> , <b>2009</b> , 10, 533-555	2.5	49
9	Necessary and sufficient global optimality conditions for NLP reformulations of linear SDP problems. <i>Journal of Global Optimization</i> , <b>2009</b> , 44, 339-348	1.5	7

8	On generalized Nash games and variational inequalities. <i>Operations Research Letters</i> , <b>2007</b> , 35, 159-164	1	170
7	An Algorithm Model for Mixed Variable Programming. <i>SIAM Journal on Optimization</i> , <b>2005</b> , 15, 1057-1084		28
6	Design of induction motors using a mixed-variable approach. <i>Computational Management Science</i> , <b>2005</b> , 2, 213-228	1	4
5	A derivative-based algorithm for a particular class of mixed variable optimization problems. <i>Optimization Methods and Software</i> , <b>2004</b> , 19, 371-387	1.3	3
4	A magnetic resonance device designed via global optimization techniques. <i>Mathematical Programming</i> , <b>2004</b> , 101, 339	2.1	13
3	New Classes of Globally Convexized Filled Functions for Global Optimization. <i>Journal of Global Optimization</i> , <b>2002</b> , 24, 219-236	1.5	42
2	Improving P300 Speller performance by means of optimization and machine learning. <i>Annals of Operations Research</i> , 1	3.2	1
1	Nonlinear optimization and support vector machines. <i>Annals of Operations Research</i> , 1	3.2	0