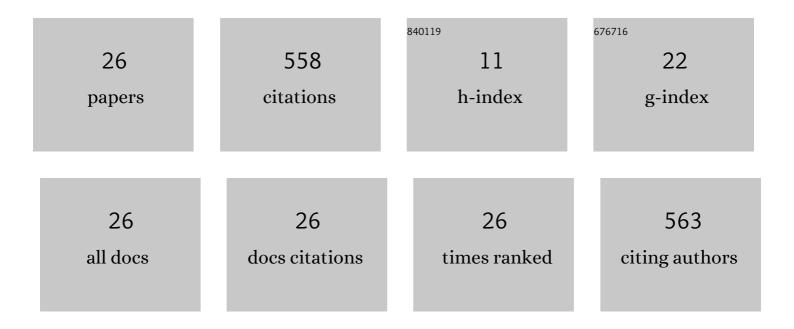


List of Publications by Year in descending order

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COSTA N

#	Article	IF	CITATIONS
1	Desirability function approach: A review and performance evaluation in adverse conditions. Chemometrics and Intelligent Laboratory Systems, 2011, 107, 234-244.	1.8	290
2	Simultaneous Optimization of Mean and Standard Deviation. Quality Engineering, 2010, 22, 140-149.	0.7	43
3	Guidelines to help practitioners of design of experiments. The TQM Journal, 2006, 18, 386-399.	0.9	30
4	Multiresponse Optimization and Pareto Frontiers. Quality and Reliability Engineering International, 2012, 28, 701-712.	1.4	28
5	Multiple response optimization: a global criterionâ€based method. Journal of Chemometrics, 2010, 24, 333-342.	0.7	27
6	Gaussian Process Model – An Exploratory Study in the Response Surface Methodology. Quality and Reliability Engineering International, 2016, 32, 2367-2380.	1.4	20
7	Responses modeling and optimization criteria impact on the optimization of multiple quality characteristics. Computers and Industrial Engineering, 2012, 62, 927-935.	3.4	16
8	Decision-Making in the Analysis of Unreplicated Factorial Designs. Quality Engineering, 2007, 19, 215-225.	0.7	14
9	Experimental design selection: guidelines for practitioners. International Journal of Productivity and Quality Management, 2009, 4, 283.	0.1	13
10	A comparative study of multiresponse optimization criteria working ability. Chemometrics and Intelligent Laboratory Systems, 2014, 138, 171-177.	1.8	12
11	Multiresponse problems: desirability and other optimization approaches. Journal of Chemometrics, 2016, 30, 702-714.	0.7	12
12	Using a multiple response optimization approach to optimize the coefficient of performance. Applied Thermal Engineering, 2016, 96, 137-143.	3.0	10
13	Reproducibility of nondominated solutions. Chemometrics and Intelligent Laboratory Systems, 2017, 168, 1-9.	1.8	10
14	Multiple response optimisation: methods and results. International Journal of Industrial and Systems Engineering, 2010, 5, 442.	0.1	7
15	Design of experiments – overcome hindrances and bad practices. TQM Journal, 2019, 31, 772-789.	2.1	7
16	Exploring Pareto Frontiers in the Response Surface Methodology. , 2015, , 399-412.		5
17	On the selection of significant variables from unreplicated factorial designs. International Journal of Productivity and Quality Management, 2013, 12, 161.	0.1	4
18	Computer experiments: application to the case of a recovery boiler. International Journal of Productivity and Quality Management, 2009, 4, 418.	0.1	2

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#	Article	IF	CITATIONS
19	Simulation of real-life situations in multiresponse problems: a contribution to criteria evaluation in the RSM framework. International Journal of Operational Research, 2015, 23, 15.	0.1	2
20	Applying design of experiments to a compression refrigeration cycle. Cogent Engineering, 2015, 2, 992216.	1.1	2
21	Energy-Efficiency Assessment and Improvement—Experiments and Analysis Methods. Sustainability, 2020, 12, 7603.	1.6	2
22	Responses' Prediction Standard Error Analysis in Pareto Solutions. MATEC Web of Conferences, 2017, 108, 10007.	0.1	1
23	Assessing Response's Bias, Quality of Predictions, and Robustness in Multiresponse Problems. Lecture Notes in Electrical Engineering, 2011, , 445-457.	0.3	1
24	On the generation and selection of solutions to multiple response problems. International Journal of Industrial and Systems Engineering, 2015, 20, 437.	0.1	0
25	OPTIMIZATION OF THE MEAN AND STANDARD DEVIATION OF MULTIPLE RESPONSES. , 2012, , .		0
26	Worst-case Responses Estimate Impact on Pareto Front. DEStech Transactions on Engineering and Technology Research, 2017, , .	0.0	0