Rafael de Carvalho Miranda

List of Publications by Year
in descending order

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23 papers	259 citations	1307594 7 h-index	996975 15 g-index
23 all docs	23 docs citations	23 times ranked	243 citing authors

#	Article	IF	Citations
1	Discrete simulation-based optimization methods for industrial engineering problems: A systematic literature review. Computers and Industrial Engineering, 2019, 128, 526-540.	6.3	73
2	Metamodel-based simulation optimization: A systematic literature review. Simulation Modelling Practice and Theory, 2022, 114, 102403.	3.8	47
3	Decision support in productive processes through DES and ABS in the Digital Twin era: a systematic literature review. International Journal of Production Research, 2022, 60, 2662-2681.	7.5	45
4	Integrating soft systems methodology to aid simulation conceptual modeling. International Transactions in Operational Research, 2015, 22, 265-285.	2.7	25
5	Increasing the efficiency in integer simulation optimization: Reducing the search space through data envelopment analysis and orthogonal arrays. European Journal of Operational Research, 2017, 262, 673-681.	5.7	14
6	Shop floor simulation optimization using machine learning to improve parallel metaheuristics. Expert Systems With Applications, 2020, 150, 113272.	7.6	14
7	A New Approach to Reducing Search Space and Increasing Efficiency in Simulation Optimization Problems via the Fuzzy-DEA-BCC. Mathematical Problems in Engineering, 2014, 2014, 1-15.	1.1	11
8	Metamodeling-based simulation optimization in manufacturing problems: a comparative study. International Journal of Advanced Manufacturing Technology, 2022, 120, 5205-5224.	3.0	6
9	<b>Using discrete event simulation to change from a functional layout to a cellular layout in an auto parts industry. Acta Scientiarum - Technology, 2015, 37, 371.	0.4	4
10	Discrete event simulation as a decision-making tool for end-of-life tire reverse logistics in a Brazilian city consortium. Environmental Science and Pollution Research, 2019, 26, 23994-24009.	5.3	4
11	GestÃ£o do conhecimento em projetos de simulaÃ§Ã£o: um estudo bibliomÃ©trico. Perspectivas Em Ciencia Da Informacao, 2015, 20, 138-155.	0.1	3
12	Application of a management and storage system for knowledge generated from simulation projects as a teaching and assessment tool. Simulation, 2021, 97, 795-808.	1.8	3
13	Evaluation of a proposed optimization method for discrete-event simulation models. Pesquisa Operacional, 2012, 32, 543-560.	0.4	2
14	ProgramaÃ§Ã£o por Metas Fuzzy aplicada ao processo de orÃ§amento de capital em um ambiente econÃ´mico sob incerteza. GestÃ£o & ProduÃ§Ã£o, 2018, 25, 148-159.	0.5	2
15	A new approach using fuzzy DEA models to reduce search space and eliminate replications in simulation optimization problems. Expert Systems With Applications, 2020, 144, 113137.	7.6	2
16	Goal programming and multiple criteria data envelopment analysis combined with optimization and Monte Carlo simulation: An application in railway components. Expert Systems, 2022, 39, e12840.	4.5	2
17	UM MODELO FUZZY-DEA-GAME PARA ESTRATÃ‰GIAS DE PRODUÃ‡ÃƒO SOB INCERTEZA. RAE Revista De Administracao De Empresas, 2015, 55, 78-94.	0.3	1
18	OtimizaÃ§Ã£o via simulaÃ§Ã£o por metamodelagem: um estudo em casos da Ã¡rea mÃ©dica. Revista ProduÃ§Ã£o Online, 2016, 16, 1058.	0.2	1

#	Article	IF	Citations
19	<b>Human factors in an automotive discrete event simulation model. Acta Scientiarum - Technology, 2017, 39, 615.	0.4	0
20	A gestÃ£o do conhecimento na conduÃ§Ã£o de projetos de simulaÃ§Ã£o: um estudo de caso em empresas de consultoria. GestÃ£o & ProduÃ§Ã£o, 2019, 26, .	0.5	0
21	AVALIAÃ‡ÃƒO DA OPERAÃ‡ÃƒO DE SETUP EM UMA CÃ‰LULA DE MANUFATURA DE UMA INDÃšSTRIA DE AUTOPEÃ‡AS ATRAVÃ‰S DA SIMULAÃ‡ÃƒO A EVENTOS DISCRETOS. Revista GestÃ£o Industrial, 2010, 6, .	0.0	0
22	OtimizaÃ§Ã£o dos parÃ¢metros de pintura com mÃºltiplas respostas: um estudo em problemas de pintura em anÃ©is automotivos. ProduÃ§Ã£o Em Foco, 2014, 4, 51-81.	0.0	0
23	UtilizaÃ§Ã£o do Mapeamento do Fluxo de Valor para estabilizaÃ§Ã£o de entregas ao estoque em uma indÃºstria de autopeÃ§as. ProduÃ§Ã£o Em Foco, 2014, 4, 335-366.	0.0	0