

Cristiano Alexandre Virginio Cavalcante

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,389
citations

279701

23
h-index

345118

36
g-index

60
all docs

60
docs citations

60
times ranked

718
citing authors

#	ARTICLE	IF	CITATIONS
1	A study of the different relations between disruptive events and human factors and their effects on maintenance performance. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2023, 237, 592-603.	0.6	2
2	A hybrid maintenance policy with fixed periodic structure and opportunistic replacement. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2023, 237, 579-591.	0.6	1
3	A study on the economic and environmental viability of second-hand items in maintenance policies. Reliability Engineering and System Safety, 2022, 217, 108133.	5.1	7
4	A Multicriteria Model to Determine Maintenance Policy for a Protection System Subject to Imperfect Maintenance. Profiles in Operations Research, 2022, , 203-226.	0.3	1
5	The use of second-hand items based on delay time modelling. Chemical Engineering Research and Design, 2021, 146, 118-125.	2.7	12
6	Inspection and replacement policy with a fixed periodic schedule. Reliability Engineering and System Safety, 2021, 208, 107402.	5.1	26
7	An inspection policy for shredder equipment used in steel production lines considering buffer level and operating time. Journal of Manufacturing Systems, 2021, 60, 640-651.	7.6	4
8	An Alternative Maintenance Policy for Protection Systems Subject to Shocks Due to Demands. , 2020, , .		0
9	A two-scale maintenance policy for protection systems subject to shocks when meeting demands. Reliability Engineering and System Safety, 2020, 204, 107118.	5.1	9
10	Using multi-criteria decision making for selecting picking strategies. Operational Research, 2020, , 1.	1.3	4
11	An integrated model of production scheduling and inspection planning for resumable jobs. International Journal of Production Economics, 2020, 227, 107668.	5.1	12
12	A dynamic inventory rationing policy for business-to-consumer e-tail stores in a supply disruption context. Computers and Industrial Engineering, 2020, 142, 106379.	3.4	11
13	Order planning policies for business-to-consumer e-tail stores. Computers and Industrial Engineering, 2019, 136, 106-116.	3.4	9
14	Delay-time modelling of a critical system subject to random inspections. European Journal of Operational Research, 2019, 278, 772-782.	3.5	38
15	Imperfect Inspection of a System With Unrevealed Failure and an Unrevealed Defective State. IEEE Transactions on Reliability, 2019, 68, 764-775.	3.5	29
16	Reliability and Maintenance Cost Forecasting for Systems with Multistate Components Using Artificial Neural Networks. , 2019, , .		0
17	Modelling inspection and replacement quality for a protection system. Reliability Engineering and System Safety, 2018, 176, 145-153.	5.1	29
18	Conditional inspection and maintenance of a system with two interacting components. European Journal of Operational Research, 2018, 268, 533-544.	3.5	24

#	ARTICLE	IF	CITATIONS
19	A general inspection and opportunistic replacement policy for one-component systems of variable quality. <i>European Journal of Operational Research</i> , 2018, 266, 911-919.	3.5	52
20	A study of postponed replacement in a delay time model. <i>Reliability Engineering and System Safety</i> , 2017, 168, 70-79.	5.1	59
21	Multicriteria Model to Support Maintenance Planning in Residential Complexes under Warranty. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017, 143, .	2.0	18
22	Random preventive maintenance policy based on inspection for a multicomponent system using simulation. <i>Eksploatacja I Niezawodnosc</i> , 2017, 19, 552-559.	1.1	6
23	A multicriteria decision model to support the selection of suppliers of motor repair services. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 84, 523-532.	1.5	7
24	Multi-attribute Utility Theory analysis for burn-in processes combined with replacement. <i>Eksploatacja I Niezawodnosc</i> , 2016, 18, 599-605.	1.1	3
25	Maintenance Management:A Study of Reliability-CenteredMaintenance for Irrigation System. <i>Applied Engineering in Agriculture</i> , 2015, , 227-234.	0.3	3
26	Multicriteria Decision Model to Support the Assignment of Storage Location of Products in a Warehouse. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-8.	0.6	19
27	A review of the use of multicriteria and multi-objective models in maintenance and reliability. <i>IMA Journal of Management Mathematics</i> , 2015, 26, 249-271.	1.1	82
28	Multi-criteria model to support the definition of opportunistic maintenance policy: A study in a cogeneration system. <i>Energy</i> , 2015, 80, 32-40.	4.5	46
29	Some Insights Into the Effect of Maintenance Quality for a Protection System. <i>IEEE Transactions on Reliability</i> , 2015, 64, 661-672.	3.5	26
30	Delay-time inspection model with dimensioning maintenance teams: A study of a company leasing construction equipment. <i>Computers and Industrial Engineering</i> , 2015, 88, 341-349.	3.4	15
31	Multicriteria and Multiobjective Models for Risk, Reliability and Maintenance Decision Analysis. <i>Profiles in Operations Research</i> , 2015, , .	0.3	102
32	Decisions on Priority Assignment for Maintenance Planning. <i>Profiles in Operations Research</i> , 2015, , 335-349.	0.3	1
33	Spare Parts Planning Decisions. <i>Profiles in Operations Research</i> , 2015, , 273-296.	0.3	1
34	Using the Efficient Frontier to Obtain the Best Solution for the Storage Location Assignment Problem. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-10.	0.6	14
35	Opportunistic Maintenance Policy for a System with Hidden Failures: A Multicriteria Approach Applied to an Emergency Diesel Generator. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-11.	0.6	6
36	Use of Promethee method to determine the best alternative for warehouse storage location assignment. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 70, 1615-1624.	1.5	41

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37	Imperfect inspection and replacement of a system with a defective state: A cost and reliability analysis. Reliability Engineering and System Safety, 2013, 120, 80-87.	5.1	93
38	Modelling imperfect inspection over a finite horizon. Reliability Engineering and System Safety, 2013, 111, 18-29.	5.1	24
39	The Effect of Maintenance Quality on Spare Parts Inventory for a Fleet of Assets. IEEE Transactions on Reliability, 2013, 62, 596-607.	3.5	31
40	Índices baseados no número de clientes para localização de itens em armazéns. Production, 2013, 23, 561-569.	1.3	1
41	Electre tri method used to storage location assignment into categories. Pesquisa Operacional, 2013, 33, 283-303.	0.1	21
42	A Decision Support System Based on RCM Approach to Define Maintenance Strategies. Lecture Notes in Business Information Processing, 2013, , 122-133.	0.8	3
43	Modelling quality in replacement and inspection maintenance. International Journal of Production Economics, 2012, 135, 372-381.	5.1	66
44	Maintenance scheduling of a protection system subject to imperfect inspection and replacement. European Journal of Operational Research, 2012, 218, 716-725.	3.5	75
45	A study of a two-phase inspection policy for a preparedness system with a defective state and heterogeneous lifetime. Reliability Engineering and System Safety, 2011, 96, 627-635.	5.1	35
46	A Multicriteria Decision Model for a Combined Burn-In and Replacement Policy. Lecture Notes in Computer Science, 2011, , 579-593.	1.0	1
47	Hybrid block replacement and inspection policies for a multi-component system with heterogeneous component lives. European Journal of Operational Research, 2010, 206, 384-394.	3.5	48
48	A preventive maintenance decision model based on multicriteria method PROMETHEE II integrated with Bayesian approach. IMA Journal of Management Mathematics, 2010, 21, 333-348.	1.1	44
49	Aplicabilidade da programação matemática multiobjetivo no planejamento da expansão de longo prazo da geração no Brasil. Pesquisa Operacional, 2009, 29, 153-177.	0.1	5
50	An Age-Based Inspection and Replacement Policy for Heterogeneous Components. IEEE Transactions on Reliability, 2009, 58, 641-648.	3.5	53
51	A multi-criteria decision model to determine inspection intervals of condition monitoring based on delay time analysis. Reliability Engineering and System Safety, 2009, 94, 905-912.	5.1	98
52	A two-phase inspection policy for a single component preparedness system with a mixed time to failure distribution. , 2009, , .		1
53	A multi-criteria decision-aiding model using PROMETHEE III for preventive maintenance planning under uncertain conditions. Journal of Quality in Maintenance Engineering, 2007, 13, 385-397.	1.0	47
54	Location of Back-up Transformers. , 2006, , .		1

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55	Modelo multicrit�rio de apoio a decis�o para o planejamento de manuten�o preventiva utilizando PROMETHEE II em situa�es de incerteza. Pesquisa Operacional, 2005, 25, 279-296.	0.1	21