

Marcelo H Alencar

List of Publications by Citations

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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.

34
papers

380
citations

12
h-index

19
g-index

36
ext. papers

489
ext. citations

4.1
avg, IF

4.27
L-index

#	Paper	IF	Citations
34	Multicriteria and Multiobjective Models for Risk, Reliability and Maintenance Decision Analysis. <i>Profiles in Operations Research</i> , 2015 ,	1	71
33	A systematic literature review of multicriteria and multi-objective models applied in risk management. <i>IMA Journal of Management Mathematics</i> , 2017 , 28, 153-184	1.4	49
32	Structuring objectives based on value-focused thinking methodology: Creating alternatives for sustainability in the built environment. <i>Journal of Cleaner Production</i> , 2017 , 156, 62-73	10.3	27
31	The problem of disposing of plaster waste from building sites: problem structuring based on value focus thinking methodology. <i>Waste Management</i> , 2011 , 31, 2512-21	8.6	27
30	Assigning priorities to actions in a pipeline transporting hydrogen based on a multicriteria decision model. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 3610-3619	6.7	27
29	Management of risks in natural disasters: A systematic review of the literature on NATECH events. <i>Journal of Loss Prevention in the Process Industries</i> , 2016 , 44, 347-359	3.5	27
28	Multidimensional risk evaluation of natural gas pipelines based on a multicriteria decision model using visualization tools and statistical tests for global sensitivity analysis. <i>Reliability Engineering and System Safety</i> , 2017 , 165, 268-276	6.3	24
27	Sustainability in the construction industry: A systematic review of the literature. <i>Journal of Cleaner Production</i> , 2021 , 289, 125730	10.3	23
26	Multidimensional flood risk management under climate changes: Bibliometric analysis, trends and strategic guidelines for decision-making in urban dynamics. <i>International Journal of Disaster Risk Reduction</i> , 2020 , 50, 101865	4.5	14
25	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	6.4	13
24	Multicriteria Model to Support Maintenance Planning in Residential Complexes under Warranty. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04016110	4.2	13
23	Hydrogen pipelines: Enhancing information visualization and statistical tests for global sensitivity analysis when evaluating multidimensional risks to support decision-making. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 22192-22205	6.7	12
22	GIS-based multidimensional decision model for enhancing flood risk prioritization in urban areas. <i>International Journal of Disaster Risk Reduction</i> , 2020 , 48, 101582	4.5	12
21	A Multicriteria Decision Model for Assessment of Failure Consequences in the RCM Approach. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-10	1.1	8
20	Identification of Obstacles to Implementing Sustainability in the Civil Construction Industry Using Bow-Tie Tool. <i>Buildings</i> , 2020 , 10, 165	3.2	7
19	A novel spatiotemporal multi-attribute method for assessing flood risks in urban spaces under climate change and demographic scenarios. <i>Sustainable Cities and Society</i> , 2021 , 76, 103501	10.1	5
18	Multidimensional risk classification with global sensitivity analysis to support planning operations in a transportation network of natural gas pipelines. <i>Journal of Natural Gas Science and Engineering</i> , 2021 , 96, 104318	4.6	5

17	A new method for managing multidimensional risks in Natural Gas Pipelines based on non-Expected Utility. <i>Reliability Engineering and System Safety</i> , 2021 , 214, 107709	6.3	5
16	Adaptations to Possible Climate Change Impacts: Problem Structuring Based on VFT Methodology. <i>Climate Change Management</i> , 2016 , 145-157	0.6	3
15	Recent Patents on Industrial Risk Management. <i>Recent Patents on Computer Science</i> , 2015 , 8, 144-151	1	2
14	A proposal for an approach to mapping susceptibility to landslides using natural language processing and machine learning. <i>Landslides</i> , 2021 , 18, 2515-2529	6.6	2
13	Applying a Multicriteria Decision Model So as to Analyse the Consequences of Failures Observed in RCM Methodology. <i>Lecture Notes in Computer Science</i> , 2011 , 594-607	0.9	1
12	A Decision Support System Based on RCM Approach to Define Maintenance Strategies. <i>Lecture Notes in Business Information Processing</i> , 2013 , 122-133	0.6	1
11	Coping with Climate Change Effects on Urban Infrastructure Problem Structuring Based on Value-Focused Thinking Methodology. <i>World Sustainability Series</i> , 2018 , 3-20	0.6	1
10	Exploring global sensitivity analysis on a risk-based MCDM/A model to support urban adaptation policies against floods. <i>International Journal of Disaster Risk Reduction</i> , 2022 , 73, 102898	4.5	1
9	A hybrid multicriteria decision model for selecting a portfolio of risk-based maintenance actions in natural gas pipelines. <i>Journal of Natural Gas Science and Engineering</i> , 2022 , 103, 104655	4.6	0
8	Combining a multidimensional risk evaluation with an implicit enumeration algorithm to tackle the portfolio selection problem of a natural gas pipeline. <i>Reliability Engineering and System Safety</i> , 2022 , 221, 108332	6.3	
7	Toward Modeling Flood Risk-Related Decisions That Deal with Climate Changes in Urban Areas: A Multidimensional Approach 2021 , 3299-3328		
6	Decisions on Priority Assignment for Maintenance Planning. <i>Profiles in Operations Research</i> , 2015 , 335-349		
5	Toward Modeling Flood Risk-Related Decisions That Deal with Climate Changes in Urban Areas: A Multidimensional Approach 2021 , 1-30		
4	Multidimensional Decision-Making Process for Managing Flood Risks in Postmodern Cities: Challenges, Trends, and Sharing Insights to Construct Models That Deal with Climate Changes. <i>Profiles in Operations Research</i> , 2022 , 149-171	1	
3	A Proposition of a Multidimensional HAZOP Analysis (MHAZOP) to Support a Decision-Making Process. <i>Profiles in Operations Research</i> , 2022 , 111-131	1	
2	Multidimensional Risk Evaluation in Natural Gas Pipelines: Contributions from Sensitivity Analysis and Risk Visualization to Improving the Management of Risk. <i>Profiles in Operations Research</i> , 2022 , 133-147		1
1	Multi-criteria Decision Model to Support the Maintenance Policy for Circuit Breakers in an Electrical Substation. <i>Profiles in Operations Research</i> , 2022 , 227-246	1	