

# Marcelo H Alencar

## 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.

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	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> , <b>2022</b> , 221, 108332	6.3	
33	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> , <b>2022</b> , 73, 102898	4.5	1
32	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> , <b>2022</b> , 103, 104655	4.6	0
31	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> , <b>2022</b> , 149-171	1	
30	A Proposition of a Multidimensional HAZOP Analysis (MHAZOP) to Support a Decision-Making Process. <i>Profiles in Operations Research</i> , <b>2022</b> , 111-131	1	
29	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> , <b>2022</b> , 133-147	1	
28	Multi-criteria Decision Model to Support the Maintenance Policy for Circuit Breakers in an Electrical Substation. <i>Profiles in Operations Research</i> , <b>2022</b> , 227-246	1	
27	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> , <b>2021</b> , 76, 103501	10.1	5
26	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> , <b>2021</b> , 96, 104318	4.6	5
25	Toward Modeling Flood Risk-Related Decisions That Deal with Climate Changes in Urban Areas: A Multidimensional Approach <b>2021</b> , 3299-3328		
24	A proposal for an approach to mapping susceptibility to landslides using natural language processing and machine learning. <i>Landslides</i> , <b>2021</b> , 18, 2515-2529	6.6	2
23	Sustainability in the construction industry: A systematic review of the literature. <i>Journal of Cleaner Production</i> , <b>2021</b> , 289, 125730	10.3	23
22	Toward Modeling Flood Risk-Related Decisions That Deal with Climate Changes in Urban Areas: A Multidimensional Approach <b>2021</b> , 1-30		
21	A new method for managing multidimensional risks in Natural Gas Pipelines based on non-Expected Utility. <i>Reliability Engineering and System Safety</i> , <b>2021</b> , 214, 107709	6.3	5
20	Identification of Obstacles to Implementing Sustainability in the Civil Construction Industry Using Bow-Tie Tool. <i>Buildings</i> , <b>2020</b> , 10, 165	3.2	7
19	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> , <b>2020</b> , 50, 101865	4.5	14
18	GIS-based multidimensional decision model for enhancing flood risk prioritization in urban areas. <i>International Journal of Disaster Risk Reduction</i> , <b>2020</b> , 48, 101582	4.5	12

17	Coping with Climate Change Effects on Urban Infrastructure Problem Structuring Based on Value-Focused Thinking Methodology. <i>World Sustainability Series</i> , <b>2018</b> , 3-20	0.6	1
16	Structuring objectives based on value-focused thinking methodology: Creating alternatives for sustainability in the built environment. <i>Journal of Cleaner Production</i> , <b>2017</b> , 156, 62-73	10.3	27
15	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> , <b>2017</b> , 165, 268-276	6.3	24
14	Multicriteria Model to Support Maintenance Planning in Residential Complexes under Warranty. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 04016110	4.2	13
13	A systematic literature review of multicriteria and multi-objective models applied in risk management. <i>IMA Journal of Management Mathematics</i> , <b>2017</b> , 28, 153-184	1.4	49
12	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> , <b>2016</b> , 41, 22192-22205	6.7	12
11	Adaptations to Possible Climate Change Impacts: Problem Structuring Based on VFT Methodology. <i>Climate Change Management</i> , <b>2016</b> , 145-157	0.6	3
10	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> , <b>2016</b> , 44, 347-359	3.5	27
9	Delay-time inspection model with dimensioning maintenance teams: A study of a company leasing construction equipment. <i>Computers and Industrial Engineering</i> , <b>2015</b> , 88, 341-349	6.4	13
8	Multicriteria and Multiobjective Models for Risk, Reliability and Maintenance Decision Analysis. <i>Profiles in Operations Research</i> , <b>2015</b> ,	1	71
7	A Multicriteria Decision Model for Assessment of Failure Consequences in the RCM Approach. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-10	1.1	8
6	Recent Patents on Industrial Risk Management. <i>Recent Patents on Computer Science</i> , <b>2015</b> , 8, 144-151	1	2
5	Decisions on Priority Assignment for Maintenance Planning. <i>Profiles in Operations Research</i> , <b>2015</b> , 335-349		
4	A Decision Support System Based on RCM Approach to Define Maintenance Strategies. <i>Lecture Notes in Business Information Processing</i> , <b>2013</b> , 122-133	0.6	1
3	The problem of disposing of plaster waste from building sites: problem structuring based on value focus thinking methodology. <i>Waste Management</i> , <b>2011</b> , 31, 2512-21	8.6	27
2	Applying a Multicriteria Decision Model So as to Analyse the Consequences of Failures Observed in RCM Methodology. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 594-607	0.9	1
1	Assigning priorities to actions in a pipeline transporting hydrogen based on a multicriteria decision model. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 3610-3619	6.7	27