

# Irene Roda

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

593  
citations

840776

11  
h-index

642732

23  
g-index

37  
all docs

37  
docs citations

37  
times ranked

544  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the role of Digital Twin for Asset Lifecycle Management. IFAC-PapersOnLine, 2018, 51, 790-795.	0.9	140
2	The perceived value of additively manufactured digital spare parts in industry: An empirical investigation. International Journal of Production Economics, 2018, 205, 87-97.	8.9	99
3	A review of multi-criteria classification of spare parts. Journal of Manufacturing Technology Management, 2014, 25, 528-549.	6.4	68
4	Framework for simulation software selection. Journal of Simulation, 2019, 13, 286-303.	1.5	24
5	Building a Total Cost of Ownership model to support manufacturing asset lifecycle management. Production Planning and Control, 2020, 31, 19-37.	8.8	24
6	Factory-level performance evaluation of buffered multi-state production systems. Journal of Manufacturing Systems, 2019, 50, 226-235.	13.9	17
7	Data-driven CBM tool for risk-informed decision-making in an electric arc furnace. International Journal of Advanced Manufacturing Technology, 2019, 105, 595-608.	3.0	16
8	Modelling and solving spare parts supply chain network design problems. International Journal of Production Research, 2020, 58, 5299-5319.	7.5	14
9	A Framework for Implementing Value-Based Approach in Asset Management. Lecture Notes in Mechanical Engineering, 2016, , 487-495.	0.4	13
10	Maintenance concepts evolution: a comparative review towards Advanced Maintenance conceptualization. Computers in Industry, 2021, 133, 103531.	9.9	13
11	Linking the spare parts management with the total costs of ownership: An agenda for future research. Journal of Industrial Engineering and Management, 2016, 9, 991.	1.5	12
12	A framework to embed Asset Management in production companies. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2018, 232, 368-378.	0.7	12
13	Analysing the support of sustainability within the manufacturing strategy through multiple perspectives of different business functions. Journal of Cleaner Production, 2020, 258, 120771.	9.3	12
14	TCO Evaluation in Physical Asset Management: Benefits and Limitations for Industrial Adoption. Lecture Notes in Computer Science, 2014, , 216-223.	1.3	12
15	Knowledge reuse for ontology modelling in Maintenance and Industrial Asset Management. Journal of Industrial Information Integration, 2022, 27, 100298.	6.4	10
16	An Inventory-Location Modeling Structure for Spare Parts Supply Chain Network Design Problems in Industrial End-User Sites. IFAC-PapersOnLine, 2018, 51, 968-973.	0.9	9
17	Integrating Modelling of Maintenance Policies within a Stochastic Hybrid Automaton Framework of Dynamic Reliability. Applied Sciences (Switzerland), 2021, 11, 2300.	2.5	9
18	The link between costs and performances for total cost of ownership evaluation of physical asset: State of the art review. , 2014, , .		8

#	ARTICLE	IF	CITATIONS
19	On the relationship of spare parts inventory policies with Total Cost of Ownership of industrial assets. IFAC-PapersOnLine, 2016, 49, 19-24.	0.9	8
20	Information as a key dimension to develop industrial asset management in manufacturing. Journal of Quality in Maintenance Engineering, 2022, 28, 567-583.	1.7	8
21	On the classification of spare parts with a multi-criteria perspective. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 19-24.	0.4	7
22	Application of a Performance-driven Total Cost of Ownership (TCO) Evaluation Model for Physical Asset Management. Lecture Notes in Mechanical Engineering, 2015, , 11-23.	0.4	7
23	Ontology-augmented Prognostics and Health Management for shopfloor-synchronised joint maintenance and production management decisions. Journal of Industrial Information Integration, 2022, 27, 100286.	6.4	7
24	Enterprise information systems interoperability for asset lifecycle management to enhance circular manufacturing. IFAC-PapersOnLine, 2021, 54, 361-366.	0.9	7
25	On the focal concepts of Maintenance in the Digital era. IFAC-PapersOnLine, 2020, 53, 84-89.	0.9	6
26	Risk Sources Affecting the Asset Management Decision-Making Process in Manufacturing: A Systematic Review of the Literature. IFIP Advances in Information and Communication Technology, 2019, , 274-282.	0.7	5
27	A Conceptual Model of the IT Ecosystem for Asset Management in the Global Manufacturing Context. IFIP Advances in Information and Communication Technology, 2020, , 711-719.	0.7	5
28	A methodology to boost data-driven decision-making process for a modern maintenance practice. Production Planning and Control, 2023, 34, 1333-1349.	8.8	5
29	Exploring Synergies Between Circular Economy and Asset Management. IFIP Advances in Information and Communication Technology, 2020, , 695-702.	0.7	3
30	An ontological modelling of multi-attribute criticality analysis to guide Prognostics and Health Management program development. Autonomous Intelligent Systems, 2022, 2, 1.	3.1	3
31	Sustainable Maintenance Performances and EN 15341:2019: An Integration Proposal. IFIP Advances in Information and Communication Technology, 2021, , 401-409.	0.7	1
32	System-Level Overall Equipment Effectiveness for Improving Asset Management Performance: A Case Study Application. IFIP Advances in Information and Communication Technology, 2021, , 410-417.	0.7	1
33	Application of a Performance-Driven Total Cost of Ownership (TCO) Evaluation Model for Physical Asset Management. , 2020, , 65-78.		0
34	A Framework to Embed Asset Management in Production Companies. , 2020, , 103-122.		0
35	The Perceived Value of Additively Manufactured Digital Spare Parts in the Industry: An Empirical Investigation. , 2020, , 351-377.		0