

# Jane Matthews

## 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.

45  
papers

855  
citations

14  
h-index

28  
g-index

47  
ext. papers

1,094  
ext. citations

5.3  
avg, IF

4.77  
L-index

#	Paper	IF	Citations
45	There is Strength in Numbers: Seven Principles to Contain and Reduce Error and Mitigate Rework in Transport Mega-projects. <i>IEEE Engineering Management Review</i> , <b>2022</b> , 1-1	3.6	0
44	Error culture and its impact on rework: An exploration of norms and practices in a transport mega-project. <i>Developments in the Built Environment</i> , <b>2022</b> , 10, 100067	5.1	2
43	Smart data and business analytics: A theoretical framework for managing rework risks in mega-projects. <i>International Journal of Information Management</i> , <b>2022</b> , 65, 102495	16.4	1
42	Error aversion or management? Exploring the impact of culture at the sharp-end of production in a mega-project. <i>Developments in the Built Environment</i> , <b>2022</b> , 10, 100074	5.1	2
41	Error Mastery in Alliance Transport Megaprojects. <i>IEEE Transactions on Engineering Management</i> , <b>2022</b> , 1-18	2.6	3
40	Risk and Uncertainty in the Cost Contingency of Transport Projects: Accommodating Bias or Heuristics, or Both?. <i>IEEE Transactions on Engineering Management</i> , <b>2021</b> , 1-15	2.6	0
39	Reflections on the Risk and Uncertainty of Rework in Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2021</b> , 147, 06021001	4.2	2
38	A procurement policy-making pathway to future-proof large-scale transport infrastructure assets. <i>Research in Transportation Economics</i> , <b>2021</b> , 90, 101069	2.4	3
37	. <i>IEEE Engineering Management Review</i> , <b>2021</b> , 49, 147-152	3.6	2
36	Envisioning Rework in Practice: Emergent Insights from a Longitudinal Study. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2021</b> , 147, 06020002	4.2	1
35	. <i>IEEE Transactions on Engineering Management</i> , <b>2021</b> , 1-13	2.6	2
34	The Duality and Paradoxical Tensions of Quality and Safety: Managing Error in Construction Projects. <i>IEEE Transactions on Engineering Management</i> , <b>2021</b> , 1-8	2.6	3
33	Is it just too good to be true? Unearthing the benefits of disruptive technology. <i>International Journal of Information Management</i> , <b>2020</b> , 52, 102096	16.4	12
32	Rework in Construction: A Focus on Error and Violation. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2020</b> , 146, 06020001	4.2	8
31	Quality, requisite imagination and resilience: Managing risk and uncertainty in construction. <i>Reliability Engineering and System Safety</i> , <b>2020</b> , 204, 107172	6.3	14
30	Digital system information model: future-proofing asset information in LNG plants. <i>Infrastructure Asset Management</i> , <b>2020</b> , 7, 46-59	1.8	0
29	The flow of benefits management for digital technology: From engineering to asset management. <i>Automation in Construction</i> , <b>2019</b> , 107, 102930	9.6	47

28	Project controls for electrical, instrumentation and control systems: Enabling role of digital system information modelling. <i>Automation in Construction</i> , <b>2019</b> , 103, 202-212	9.6	11
27	Visual representations in crime prevention: exploring the use of building information modelling (BIM) to investigate burglary and crime prevention through environmental design (CPTED). <i>Crime Prevention and Community Safety</i> , <b>2018</b> , 20, 63-83	0.7	3
26	Evaluation of public-private partnerships: A life-cycle Performance Prism for ensuring value for money. <i>Environment and Planning C: Politics and Space</i> , <b>2018</b> , 36, 1133-1153	1.2	11
25	Managing rail infrastructure for a digital future: Future-proofing of asset information. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2018</b> , 110, 161-176	3.7	10
24	Building information modelling in construction: insights from collaboration and change management perspectives. <i>Production Planning and Control</i> , <b>2018</b> , 29, 202-216	4.3	45
23	Integrating mobile Building Information Modelling and Augmented Reality systems: An experimental study. <i>Automation in Construction</i> , <b>2018</b> , 85, 305-316	9.6	68
22	Safeguarding the integrity of Liquefied Natural Gas infrastructure assets with digitization: Case of a domestic gas metering upgrade project. <i>Journal of Natural Gas Science and Engineering</i> , <b>2017</b> , 44, 9-21	4.6	5
21	System information modelling in practice: Analysis of tender documentation quality in a mining mega-project. <i>Automation in Construction</i> , <b>2017</b> , 84, 176-183	9.6	11
20	PPP Social Infrastructure Procurement: Examining the Feasibility of a Lifecycle Performance Measurement Framework. <i>Journal of Infrastructure Systems</i> , <b>2017</b> , 23, 04016041	2.9	14
19	Chaos Theory: Implications for Cost Overrun Research in Hydrocarbon Megaprojects. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 05016020	4.2	6
18	Systems information modelling: Enabling digital asset management. <i>Advances in Engineering Software</i> , <b>2016</b> , 102, 155-165	3.6	20
17	Critical success factors of adapting heritage buildings: an exploratory study. <i>Built Environment Project and Asset Management</i> , <b>2016</b> , 6, 44-57	1.9	30
16	Discussion of State of Practice of Building Information Modeling in the Electrical Construction Industry by Awad S. Hanna, Michael Yeutter, and Diane G. Aoun. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2016</b> , 142, 07015001	4.2	1
15	Auto-generated site layout: an integrated approach to real-time sensing of temporary facilities in infrastructure projects** This article belongs to a group of three papers in the field of virtual design and construction of infrastructure assembled by Professor Peter E. D. Love, Curtin University, Australia. View all notes. <i>Structure and Infrastructure Engineering</i> , <b>2016</b> , 12, 1243-1255	2.9	21
14	Praxis of Performance Measurement in Public-Private Partnerships: Moving beyond the Iron Triangle. <i>Journal of Management in Engineering - ASCE</i> , <b>2016</b> , 32, 04016004	5.3	33
13	Systems information modeling: From file exchanges to model sharing for electrical instrumentation and control systems. <i>Automation in Construction</i> , <b>2016</b> , 67, 48-59	9.6	9
12	Moving beyond CAD to an object-oriented approach for electrical control and instrumentation systems. <i>Advances in Engineering Software</i> , <b>2016</b> , 99, 9-17	3.6	5
11	Object oriented modeling: Retrospective systems information model for constructability assessment. <i>Automation in Construction</i> , <b>2016</b> , 71, 359-371	9.6	5

10	Retrospective future proofing of a copper mine: Quantification of errors and omissions in As-built documentation. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2016</b> , 43, 414-423	3.5	6
9	Real time progress management: Re-engineering processes for cloud-based BIM in construction. <i>Automation in Construction</i> , <b>2015</b> , 58, 38-47	9.6	80
8	Modeling Australia's Construction Workforce Demand: Empirical Study with a Global Economic Perspective. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2015</b> , 141, 05014019	4.2	6
7	Toward productivity improvement in electrical engineering documentation. <i>International Journal of Productivity and Performance Management</i> , <b>2015</b> , 64, 1024-1040	2.3	3
6	Object-oriented model for life cycle management of electrical instrumentation control projects. <i>Automation in Construction</i> , <b>2015</b> , 49, 142-151	9.6	16
5	Development of an object model for automated compliance checking. <i>Automation in Construction</i> , <b>2015</b> , 49, 51-58	9.6	50
4	Future proofing PPPs: Life-cycle performance measurement and Building Information Modelling. <i>Automation in Construction</i> , <b>2015</b> , 56, 26-35	9.6	79
3	A systems information model for managing electrical, control, and instrumentation assets. <i>Built Environment Project and Asset Management</i> , <b>2015</b> , 5, 278-289	1.9	8
2	A benefits realization management building information modeling framework for asset owners. <i>Automation in Construction</i> , <b>2014</b> , 37, 1-10	9.6	153
1	From Quality-I to Quality-II: cultivating an error culture to support lean thinking and rework mitigation in infrastructure projects. <i>Production Planning and Control</i> , 1-18	4.3	5