Jane Matthews

List of Publications by Year
in descending order

46 papers	1,369 citations	471371 17 h-index	360920 35 g-index
47 all docs	47 docs citations	47 times ranked	970 citing authors

#	Article	IF	Citations
1	A benefits realization management building information modeling framework for asset owners. Automation in Construction, 2014, 37, 1-10.	4.8	192
2	Integrating mobile Building Information Modelling and Augmented Reality systems: An experimental study. Automation in Construction, 2018, 85, 305-316.	4.8	120
3	Development of an object model for automated compliance checking. Automation in Construction, 2015, 49, 51-58.	4.8	108
4	Future proofing PPPs: Life-cycle performance measurement and Building Information Modelling. Automation in Construction, 2015, 56, 26-35.	4.8	105
5	Real time progress management: Re-engineering processes for cloud-based BIM in construction. Automation in Construction, 2015, 58, 38-47.	4.8	105
6	The 'how' of benefits management for digital technology: From engineering to asset management. Automation in Construction, 2019, 107, 102930.	4.8	99
7	Building information modelling in construction: insights from collaboration and change management perspectives. Production Planning and Control, 2018, 29, 202-216.	5.8	70
8	Praxis of Performance Measurement in Public-Private Partnerships: Moving beyond the Iron Triangle. Journal of Management in Engineering - ASCE, 2016, 32, .	2.6	45
9	Critical success factors of adapting heritage buildings: an exploratory study. Built Environment Project and Asset Management, 2016, 6, 44-57.	0.9	44
10	Quality, requisite imagination and resilience: Managing risk and uncertainty in construction. Reliability Engineering and System Safety, 2020, 204, 107172.	5.1	31
11	Is it just too good to be true? Unearthing the benefits of disruptive technology. International Journal of Information Management, 2020, 52, 102096.	10.5	30
12	Auto-generated site layout: an integrated approach to real-time sensing of temporary facilities in infrastructure projects[*]. Structure and Infrastructure Engineering, 2016, 12, 1243-1255.	2.0	27
13	Systems information modelling: Enabling digital asset management. Advances in Engineering Software, 2016, 102, 155-165.	1.8	25
14	PPP Social Infrastructure Procurement: Examining the Feasibility of a Lifecycle Performance Measurement Framework. Journal of Infrastructure Systems, 2017, 23, 04016041.	1.0	22
15	Evaluation of public–private partnerships: A life-cycle Performance Prism for ensuring value for money. Environment and Planning C: Politics and Space, 2018, 36, 1133-1153.	1.1	22
16	Smart data and business analytics: A theoretical framework for managing rework risks in mega-projects. International Journal of Information Management, 2022, 65, 102495.	10.5	19
17	Project controls for electrical, instrumentation and control systems: Enabling role of digital system information modelling. Automation in Construction, 2019, 103, 202-212.	4.8	18
18	Object-oriented model for life cycle management of electrical instrumentation control projects. Automation in Construction, 2015, 49, 142-151.	4.8	17

#	Article	IF	Citations
19	System information modelling in practice: Analysis of tender documentation quality in a mining mega-project. Automation in Construction, 2017, 84, 176-183.	4.8	17
20	Rework in Construction: A Focus on Error and Violation. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	17
21	Chaos Theory: Implications for Cost Overrun Research in Hydrocarbon Megaprojects. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	13
22	A systems information model for managing electrical, control, and instrumentation assets. Built Environment Project and Asset Management, 2015, 5, 278-289.	0.9	12
23	Managing rail infrastructure for a digital future: Future-proofing of asset information. Transportation Research, Part A: Policy and Practice, 2018, 110, 161-176.	2.0	12
24	From Quality-I to Quality-II: cultivating an error culture to support lean thinking and rework mitigation in infrastructure projects. Production Planning and Control, 2023, 34, 812-829.	5.8	12
25	Modeling Australia's Construction Workforce Demand: Empirical Study with a Global Economic Perspective. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	2.0	9
26	Systems information modeling: From file exchanges to model sharing for electrical instrumentation and control systems. Automation in Construction, 2016, 67, 48-59.	4.8	9
27	Object oriented modeling: Retrospective systems information model for constructability assessment. Automation in Construction, 2016, 71, 359-371.	4.8	9
28	The Duality and Paradoxical Tensions of Quality and Safety: Managing Error in Construction Projects. IEEE Transactions on Engineering Management, 2023, 70, 791-798.	2.4	9
29	Error culture and its impact on rework: An exploration of norms and practices in a transport mega-project. Developments in the Built Environment, 2022, 10, 100067.	2.0	9
30	Error aversion or management? Exploring the impact of culture at the sharp-end of production in a mega-project. Developments in the Built Environment, 2022, 10, 100074.	2.0	9
31	Reflections on the Risk and Uncertainty of Rework in Construction. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	8
32	A procurement policy-making pathway to future-proof large-scale transport infrastructure assets. Research in Transportation Economics, 2021, 90, 101069.	2.2	7
33	Error Mastery in Alliance Transport Megaprojects. IEEE Transactions on Engineering Management, 2024, 71, 1819-1836.	2.4	7
34	Retrospective future proofing of a copper mine: Quantification of errors and omissions in 'As-built' documentation. Journal of Loss Prevention in the Process Industries, 2016, 43, 414-423.	1.7	6
35	Visual representations in crime prevention: exploring the use of building information modelling (BIM) to investigate burglary and crime prevention through environmental design (CPTED). Crime Prevention and Community Safety, 2018, 20, 63-83.	0.5	6
36	Moving beyond CAD to an object-oriented approach for electrical control and instrumentation systems. Advances in Engineering Software, 2016, 99, 9-17.	1.8	5

#	ARTICLE	IF	CITATIONS
37	Safeguarding the integrity of Liquefied Natural Gas infrastructure assets with digitization: Case of a domestic gas metering upgrade project. Journal of Natural Gas Science and Engineering, 2017, 44, 9-21.	2.1	5
38	Curbing Poor-Quality in Large-Scale Transport Infrastructure Projects. IEEE Transactions on Engineering Management, 2022, 69, 3171-3183.	2.4	5
39	Risk and Uncertainty in the Cost Contingency of Transport Projects: Accommodating Bias or Heuristics, or Both?. IEEE Transactions on Engineering Management, 2024, 71, 205-219.	2.4	5
40	Toward productivity improvement in electrical engineering documentation. International Journal of Productivity and Performance Management, 2015, 64, 1024-1040.	2.2	4
41	Digital system information model: future-proofing asset information in LNG plants. Infrastructure Asset Management, 2020, 7, 46-59.	1.2	3
42	Envisioning Rework in Practice: Emergent Insights from a Longitudinal Study. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	3
43	A Rising Tide Lifts All Boats, Ignoring Risks Can Sink Them: The Peril of Rework in Large-Scale Transport Projects. IEEE Engineering Management Review, 2021, 49, 147-152.	1.0	3
44	There Is Strength in Numbers: Seven Principles to Contain and Reduce Error and Mitigate Rework in Transport Mega-Projects. IEEE Engineering Management Review, 2022, 50, 220-228.	1.0	3
45	Discussion of â€œState of Practice of Building Information Modeling in the Electrical Construction Industryâ€•by Awad S. Hanna, Michael Yeutter, and Diane G. Aoun. Journal of Construction Engineering and Management - ASCE, 2016, 142, 07015001.	2.0	1
46	Model server enabled management of collaborative changes in building information models. Frontiers of Engineering Management, 2018, .	3.3	0