

Thomas M Froese

List of Publications by Year in descending order

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53
papers

1,523
citations

331538

21
h-index

315616

38
g-index

56
all docs

56
docs citations

56
times ranked

1282
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-occupancy evaluation: State-of-the-art analysis and state-of-the-practice review. <i>Building and Environment</i> , 2018, 133, 187-202.	3.0	193
2	Building information modelling demystified: does it make business sense to adopt BIM?. <i>International Journal of Managing Projects in Business</i> , 2009, 2, 419-434.	1.3	158
3	The impact of emerging information technology on project management for construction. <i>Automation in Construction</i> , 2010, 19, 531-538.	4.8	138
4	Analysis of Costs and Benefits of Panelized and Modular Prefabricated Homes. <i>Procedia Engineering</i> , 2016, 145, 1291-1297.	1.2	76
5	A development framework for data models for computer-integrated facilities management. <i>Automation in Construction</i> , 2000, 9, 145-167.	4.8	68
6	Assessment of the Impact of Window Size, Position and Orientation on Building Energy Load Using BIM. <i>Procedia Engineering</i> , 2016, 145, 1424-1431.	1.2	66
7	Charging infrastructure for electric vehicles in Multi-Unit Residential Buildings: Mapping feedbacks and policy recommendations. <i>Energy Policy</i> , 2019, 126, 444-451.	4.2	58
8	Models of Construction Process Information. <i>Journal of Computing in Civil Engineering</i> , 1996, 10, 183-193.	2.5	56
9	Building Integrated Architecture/Engineering/Construction Systems Using Smart Objects: Methodology and Implementation. <i>Journal of Computing in Civil Engineering</i> , 2005, 19, 172-181.	2.5	55
10	Development of a maintenance management model based on IAI standards. <i>Advanced Engineering Informatics</i> , 2001, 15, 177-193.	0.5	49
11	Framework Model for Asset Maintenance Management. <i>Journal of Performance of Constructed Facilities</i> , 2003, 17, 51-64.	1.0	48
12	Knowledge Management in Construction Using a SocioBIM Platform: A Case Study of AYO Smart Home Project. <i>Procedia Engineering</i> , 2016, 145, 1283-1290.	1.2	44
13	Component-Based Framework for Implementing Integrated Architectural/Engineering/Construction Project Systems. <i>Journal of Computing in Civil Engineering</i> , 2007, 21, 441-452.	2.5	39
14	OPIS: An Object Model-Based Project Information System. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 1994, 9, 13-28.	6.3	36
15	Putting electric vehicles on the map: A policy agenda for residential charging infrastructure in Canada. <i>Energy Research and Social Science</i> , 2019, 50, 29-37.	3.0	36
16	Construction Quality Assessment Using 3D as-built Models Generated with Project Tango. <i>Procedia Engineering</i> , 2016, 145, 1416-1423.	1.2	30
17	Examples and Characteristics of Shared Project Models. <i>Journal of Computing in Civil Engineering</i> , 1996, 10, 174-182.	2.5	29
18	A data-driven approach to defining acceptable temperature ranges in buildings. <i>Building and Environment</i> , 2019, 153, 302-312.	3.0	29

#	ARTICLE	IF	CITATIONS
19	Improved long-term thermal comfort indices for continuous monitoring. Energy and Buildings, 2020, 224, 110270.	3.1	27
20	Project management information control systems. Canadian Journal of Civil Engineering, 1998, 25, 735-754.	0.7	24
21	Lessons Learned from Life Cycle Assessment and Life Cycle Costing of Two Residential Towers at the University of British Columbia. Procedia CIRP, 2018, 69, 172-177.	1.0	23
22	Future Directions for Model-Based Interoperability. , 2003, , 1.		20
23	Study of information technology development for the Canadian construction industry. Canadian Journal of Civil Engineering, 2007, 34, 817-829.	0.7	19
24	Challenges and a vision for computer-integrated management systems for medium-sized contractors. Canadian Journal of Civil Engineering, 1997, 24, 180-190.	0.7	17
25	Standard data models for interoperability of municipal infrastructure asset management systems. Canadian Journal of Civil Engineering, 2006, 33, 1459-1469.	0.7	17
26	The Application of Project Management Standards and Success Factors to the Development of a Project Management Assessment Tool. Procedia, Social and Behavioral Sciences, 2013, 74, 91-100.	0.5	15
27	Life cycle assessment of magnesium oxide structural insulated panels for a smart home in Vancouver. Energy and Buildings, 2018, 175, 78-86.	3.1	15
28	A green home decision-making tool: Sustainability assessment for homeowners. Energy and Buildings, 2017, 150, 421-431.	3.1	14
29	Evaluation and Lessons Learned from a Campus as a Living Lab Program to Promote Sustainable Practices. Sustainability, 2021, 13, 1739.	1.6	13
30	WWW courseware in applied science: Cases and lessons. Computer Applications in Engineering Education, 2001, 9, 63-77.	2.2	12
31	Evaluating Patterns of Building Envelope Air Leakage with Infrared Thermography. Energies, 2020, 13, 3545.	1.6	12
32	Impact of Emerging Information Technology on Information Management. , 2005, , 1.		10
33	Tangible capital asset ontology in infrastructure management. Infrastructure Asset Management, 2014, 1, 81-92.	1.2	9
34	Transaction ontology in the domain of infrastructure management¹This paper is one of a selection of papers in this Special Issue on Construction Engineering and Management.. Canadian Journal of Civil Engineering, 2012, 39, 993-1004.	0.7	8
35	OLAP-Integrated Project Cost Control and Manpower Analysis. Journal of Computing in Civil Engineering, 2007, 21, 164-174.	2.5	7
36	Construction process technologies: a meta-analysis of Canadian research. Canadian Journal of Civil Engineering, 2009, 36, 480-491.	0.7	7

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37	An ontology-supported asset information integrator system in infrastructure management. Built Environment Project and Asset Management, 2015, 5, 380-397.	0.9	7
38	Life-cycle Assessment of High Performance, Low Cost Homes. Procedia Engineering, 2016, 145, 1322-1329.	1.2	7
39	A Unified Approach to Project Management. , 2003, , 1.		5
40	IFC-Based Data Model for Integrated Maintenance Management. , 2000, , 796.		4
41	Information Population of an Integrated Construction Management System. Computer-Aided Civil and Infrastructure Engineering, 2002, 17, 256-268.	6.3	4
42	Architecture Issues for Distributed AEC/FM Systems. , 2000, , 1285.		3
43	History and Renaissance of Construction Engineering and Management in Canada. Journal of Construction Engineering and Management - ASCE, 2007, 133, 678-683.	2.0	3
44	Simulating the Knowledge Environment for Autonomous Construction Robot Agents. , 1989, , .		2
45	Simulating Construction Robot Agents and Their Knowledge Environment. Journal of Computing in Civil Engineering, 1989, 3, 303-319.	2.5	1
46	Project Information Management in Mega Oil Sands Projects. , 2009, , .		1
47	Issues in Decision Support Tools for Sustainable Infrastructure Management. , 2014, , .		1
48	Infrastructure management transaction formalism protocol specification. Construction Innovation, 2014, 14, 69-87.	1.5	1
49	Transaction formalism protocol tool in infrastructure management. Construction Innovation, 2017, 17, 180-203.	1.5	1
50	Implementation of AEC core reference models in StartPlan. Canadian Journal of Civil Engineering, 1997, 24, 671-682.	0.7	0
51	Visualization Configuration Model for Integrating Presentation of Construction Project Management Data. , 2009, , .		0
52	Trends in information and communication technologies for construction: Past, present and future. , 2013, , .		0
53	A review of the process formalization standards to develop a transaction protocol for infrastructure management. , 2012, , 405-412.		0