

Peter Demian

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

829
citations

566801

15
h-index

500791

28
g-index

44
all docs

44
docs citations

44
times ranked

679
citing authors

#	ARTICLE	IF	CITATIONS
1	A BIM-aided construction waste minimisation framework. <i>Automation in Construction</i> , 2015, 59, 1-23.	4.8	138
2	The advantages of information management through building information modelling. <i>Construction Management and Economics</i> , 2014, 32, 1153-1165.	1.8	92
3	Building Information Management (BIM) and Blockchain (BC) for Sustainable Building Design Information Management Framework. <i>Electronics (Switzerland)</i> , 2019, 8, 724.	1.8	65
4	Blockchain and Building Information Management (BIM) for Sustainable Building Development within the Context of Smart Cities. <i>Sustainability</i> , 2021, 13, 2090.	1.6	63
5	An ethnographic study of design knowledge reuse in the architecture, engineering, and construction industry. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2006, 16, 184-195.	1.2	57
6	Virtual Reality Aided Therapy towards Health 4.0: A Two-Decade Bibliometric Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1525.	1.2	52
7	An empirical study of the complexity of requirements management in construction projects. <i>Engineering, Construction and Architectural Management</i> , 2014, 21, 505-531.	1.8	40
8	An enterprise architecture framework for electronic requirements information management. <i>International Journal of Information Management</i> , 2017, 37, 455-472.	10.5	32
9	The use of virtual learning environments and their impact on academic performance. <i>Engineering Education</i> , 2012, 7, 11-19.	0.3	29
10	CoMem: Designing an interaction experience for reuse of rich contextual knowledge from a corporate memory. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM</i> , 2002, 16, 127-147.	0.7	27
11	Measuring Relevance in Support of Design Reuse from Archives of Building Product Models. <i>Journal of Computing in Civil Engineering</i> , 2005, 19, 119-136.	2.5	24
12	Problem solving and creativity in engineering: conclusions of a three year project involving reusable learning objects and robots. <i>Engineering Education</i> , 2010, 5, 4-17.	0.3	20
13	Methodology for Usability Evaluation of Corporate Memory Design Reuse Systems. <i>Journal of Computing in Civil Engineering</i> , 2006, 20, 377-389.	2.5	17
14	Information Retrieval from Civil Engineering Repositories: Importance of Context and Granularity. <i>Journal of Computing in Civil Engineering</i> , 2012, 26, 727-740.	2.5	17
15	Finding and Understanding Reusable Designs from Large Hierarchical Repositories. <i>Information Visualization</i> , 2006, 5, 28-46.	1.2	15
16	Effective visualisation of design versions: visual storytelling for design reuse. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2009, 19, 193-204.	1.2	15
17	Customising Evacuation Instructions for High-Rise Residential Occupants to Expedite Fire Egress: Results from Agent-Based Simulation. <i>Fire</i> , 2021, 4, 21.	1.2	15
18	A Building Information Modelling (BIM) based Water Efficiency (BWe) Framework for Sustainable Building Design and Construction Management. <i>Electronics (Switzerland)</i> , 2019, 8, 599.	1.8	14

#	ARTICLE	IF	CITATIONS
19	A tool for signage placement recommendation in hospitals based on wayfinding metrics. <i>Indoor and Built Environment</i> , 2018, 27, 925-937.	1.5	11
20	Design Lessons From the Analysis of Nurse Journeys in a Hospital Ward. <i>Herd</i> , 2018, 11, 116-129.	0.9	11
21	Transferring architectural management into practice: A taxonomy framework. <i>Frontiers of Architectural Research</i> , 2015, 4, 237-247.	1.3	9
22	Collaboration through Integrated BIM and GIS for the Design Process in Rail Projects: Formalising the Requirements. <i>Infrastructures</i> , 2021, 6, 52.	1.4	9
23	Collaborative design exploration in an interactive workspace. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM</i> , 2007, 21, 279-293.	0.7	6
24	What is architectural management? Towards a pragmatic definition. <i>Engineering, Construction and Architectural Management</i> , 2015, 22, 151-168.	1.8	6
25	The Information Resilience Framework. <i>Journal of Data and Information Quality</i> , 2020, 12, 1-25.	1.5	6
26	The role of the industry's cultural-cognitive elements on actors' intention to adopt BIM: an empirical study in Peru. <i>Engineering, Construction and Architectural Management</i> , 2023, 30, 1183-1200.	1.8	6
27	Integration of Building Information Modelling (BIM) and Sensor Technology. , 2018, , .		4
28	A Conceptual Framework for Blockchain Enhanced Information Modeling for Healing and Therapeutic Design. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8218.	1.2	4
29	Lifting Wing in Constructing Tall Buildings – Aerodynamic Testing. <i>Buildings</i> , 2014, 4, 245-265.	1.4	3
30	Three-Dimensional Information Retrieval (3DIR). <i>International Journal of 3-D Information Modeling</i> , 2016, 5, 67-78.	0.2	3
31	Using Evidence-Based Design to Improve Pharmacy Department Efficiency. <i>Herd</i> , 2016, 10, 130-143.	0.9	3
32	Britain's tall building boom: now bust?. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2009, 162, 161-168.	0.4	2
33	Key influences of innovation magnitude and mode. <i>Proceedings of Institution of Civil Engineers: Management, Procurement and Law</i> , 2010, 163, 161-169.	0.4	2
34	Modeling and simulating hospital operations in a 3D environment. , 2017, , .		2
35	Occupants' Perspectives of the Use of Smartphones during Fire Evacuation from High-Rise Residential Buildings. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5298.	1.3	2
36	Usability Evaluation of a Corporate Memory System. , 2005, , 1.		1

#	ARTICLE	IF	CITATIONS
37	Effects of granularity of search results on the relevance judgment behavior of engineers: Building systems for retrieval and understanding of context. Journal of the Association for Information Science and Technology, 2010, 61, 453-467.	2.6	1
38	Development of a Conceptual Framework for Effective Quality Management Practices in Construction Organisations. Journal of Construction Business and Management, 2021, 5, 1-16.	0.1	1
39	Towards a national design scoreboard: A model to enable comparison of performance between countries. , 2008, , .		0
40	Leveraging Micro-Level Building Information Modeling for Managing Sustainable Design: United Kingdom Experience. Advances in Civil Engineering, 2020, 2020, 1-11.	0.4	0
41	Three-Dimensional Information Retrieval (3DIR). Advances in Civil and Industrial Engineering Book Series, 2018, , 115-135.	0.2	0
42	Three-Dimensional Information Retrieval (3DIR). , 2018, , 1016-1029.		0