

# Farzad Pour Rahimian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1169693/publications.pdf>

Version: 2024-02-01

47  
papers

1,703  
citations

377584

21  
h-index

325983

40  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1343  
citing authors

#	ARTICLE	IF	CITATIONS
1	Web-Based Management System to Share Risk/Reward for IPD Projects. , 2023, , 83-97.		1
2	Integrated BIM and DfMA parametric and algorithmic design based collaboration for supporting client engagement within offsite construction. Automation in Construction, 2022, 133, 104015.	4.8	39
3	Artificial intelligence-based voice assistant for BIM data management. Automation in Construction, 2022, 140, 104320.	4.8	18
4	Integration of deep learning and extended reality technologies in construction engineering and management: a mixed review method. Construction Innovation, 2022, 22, 671-701.	1.5	6
5	Guest editorial: Enabling the development and implementation of digital twins. Construction Innovation, 2022, 22, 405-411.	1.5	5
6	On-demand generation of as-built infrastructure information models for mechanised Tunnelling from TBM data: A computational design approach. Automation in Construction, 2021, 121, 103434.	4.8	25
7	Conclusion: Contributions, Impacts and Recommendations for Future. Green Energy and Technology, 2021, , 135-141.	0.4	0
8	Machine Learning Models for Prediction of Building Energy Performance. Green Energy and Technology, 2021, , 77-98.	0.4	1
9	Building Energy Performance Assessment Methods. Green Energy and Technology, 2021, , 13-30.	0.4	0
10	Machine Learning for Building Energy Forecasting. Green Energy and Technology, 2021, , 41-76.	0.4	0
11	Multi-objective Optimisation and Building Retrofit Planning. Green Energy and Technology, 2021, , 31-39.	0.4	1
12	Modelling Energy Performance of Non-domestic Buildings. Green Energy and Technology, 2021, , 111-133.	0.4	0
13	Special issue editorial - Construction 4.0: Established and emerging digital technologies within the construction industry. Journal of Information Technology in Construction, 2021, 26, 758-762.	1.4	2
14	Integration of VR with BIM to facilitate real-time creation of bill of quantities during the design phase: a proof of concept study. Frontiers of Engineering Management, 2020, 7, 396-403.	3.3	26
15	On-demand monitoring of construction projects through a game-like hybrid application of BIM and machine learning. Automation in Construction, 2020, 110, 103012.	4.8	151
16	Multi-objective optimisation framework for designing office windows: quality of view, daylight and energy efficiency. Applied Energy, 2020, 261, 114356.	5.1	125
17	Machine learning modelling for predicting non-domestic buildings energy performance: A model to support deep energy retrofit decision-making. Applied Energy, 2020, 279, 115908.	5.1	94
18	Generative BIM workspace for AEC conceptual design automation: prototype development. Engineering, Construction and Architectural Management, 2020, 28, 482-509.	1.8	26

#	ARTICLE	IF	CITATIONS
19	Dynamic sustainable success prediction model for infrastructure projects: a rough set based fuzzy inference system. <i>Construction Innovation</i> , 2020, 20, 545-567.	1.5	11
20	Data driven model improved by multi-objective optimisation for prediction of building energy loads. <i>Automation in Construction</i> , 2020, 116, 103188.	4.8	51
21	Automated planning of concrete joint layouts with 4D-BIM. <i>Automation in Construction</i> , 2019, 107, 102943.	4.8	52
22	Tuning machine learning models for prediction of building energy loads. <i>Sustainable Cities and Society</i> , 2019, 47, 101484.	5.1	130
23	OpenBIM-Tango integrated virtual showroom for offsite manufactured production of self-build housing. <i>Automation in Construction</i> , 2019, 102, 1-16.	4.8	74
24	Variable Weight Code Division Multiple Access System for Monitoring Vibration of Unequally Distributed Points. , 2019, , .		2
25	Machine learning for estimation of building energy consumption and performance: a review. <i>Visualization in Engineering</i> , 2018, 6, .	8.8	238
26	Integration of BIM Work Culture for Improving Global Project Collaboration Productivity. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2018, , 136-157.	0.2	2
27	Review of Motivations, Success Factors, and Barriers to the Adoption of Offsite Manufacturing in Nigeria. <i>Procedia Engineering</i> , 2017, 196, 512-519.	1.2	29
28	Variable weight spectral amplitude coding for multiservice OCDMA networks. <i>Optical Fiber Technology</i> , 2017, 37, 53-60.	1.4	24
29	Advanced Virtual Reality Applications and Intelligent Agents for Construction Process Optimisation and Defect Prevention. <i>Procedia Engineering</i> , 2017, 196, 1130-1137.	1.2	22
30	A DECADE OF ARCHITECTURAL AND URBAN RESEARCH PUBLISHED IN ARCHNET-IJAR: INTERNATIONAL JOURNAL OF ARCHITECTURAL RESEARCH™. <i>Archnet-IJAR</i> , 2017, 11, 6.	0.8	6
31	ORNAMENTAL ART AND SYMBOLISM: ACTIVATORS OF HISTORICAL REGENERATION FOR KAZAKHSTAN™S LANDSCAPE ARCHITECTURE. <i>Archnet-IJAR</i> , 2017, 11, 193.	0.8	3
32	Virtual generative BIM workspace for maximising AEC conceptual design innovation. <i>Construction Innovation</i> , 2015, 15, 24-41.	1.5	30
33	New offsite production and business models in construction: priorities for the future research agenda. <i>Architectural Engineering and Design Management</i> , 2015, 11, 163-184.	1.2	132
34	Design Creativity: Future Directions for Integrated Visualisation. <i>Archnet-IJAR</i> , 2015, 9, 1.	0.8	6
35	Purposive Teaching Styles for Transdisciplinary AEC Education: A Diagnostic Learning Styles Questionnaire. <i>Archnet-IJAR</i> , 2015, 9, 98.	0.8	3
36	Transformability as a Factor of Sustainability in Post-earthquake Houses in Iran: The Case Study of Lar City. <i>Procedia Economics and Finance</i> , 2014, 18, 431-438.	0.6	1

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37	Offsite Manufacturing Construction: A Big Opportunity for Housing Delivery in Nigeria. <i>Procedia Engineering</i> , 2014, 85, 319-327.	1.2	34
38	G-BIM Framework and Development Process for Integrated AEC Design Automation. <i>Procedia Engineering</i> , 2014, 85, 10-17.	1.2	11
39	Successful education for AEC professionals: case study of applying immersive game-like virtual reality interfaces. <i>Visualization in Engineering</i> , 2014, 2, .	8.8	30
40	Scenario Thinking Approach for Leveraging ICT to Support SMEs in the Indian Construction Industry. <i>Procedia Engineering</i> , 2014, 85, 446-453.	1.2	0
41	Exploiting Modern Opportunities in AEC Industry: A Paradigm of Future Opportunities. , 2013, , .		6
42	Embedding Work Culture in Building Information Modelling (BIM) for Enhancing Collaboration in Global Projects. <i>International Journal of 3-D Information Modeling</i> , 2013, 2, 16-29.	0.2	3
43	Perceptions and Reality: Revealing the BIM Gap Between the UK and Turkey. <i>International Journal of 3-D Information Modeling</i> , 2013, 2, 1-15.	0.2	7
44	Promoting Off-Site Construction: Future Challenges and Opportunities. <i>Journal of Architectural Engineering</i> , 2012, 18, 75-78.	0.8	40
45	Impacts of VR 3D sketching on novice designersâ€™ spatial cognition in collaborative conceptual architectural design. <i>Design Studies</i> , 2011, 32, 255-291.	1.9	94
46	Comparison of CAD and manual sketching tools for teaching architectural design. <i>Automation in Construction</i> , 2010, 19, 978-987.	4.8	104
47	Using IT/ICT as a new medium toward implementation of interactive architectural communication cultures. , 2008, , .		14