

Samad M E Sepasgozar

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.

105 papers	1,677 citations	24 h-index	37 g-index
136 ext. papers	2,545 ext. citations	4.1 avg, IF	6.44 L-index

#	Paper	IF	Citations
105	Immersive on-the-job training module development and modeling users' behavior using parametric multi-group analysis: A modified educational technology acceptance model. <i>Technology in Society</i> , 2022 , 68, 101921	6.3	5
104	BIM and Digital Tools for State-of-the-Art Construction Cost Management. <i>Buildings</i> , 2022 , 12, 396	3.2	3
103	City Digital Twin Concepts: A Vision for Community Participation 2022 , 12,		2
102	Dynamic Behavior of the Composite Steel-Concrete Beam Floor Systems under Free and Forced Vibration. <i>Buildings</i> , 2022 , 12, 320	3.2	
101	Unintended Consequences of Productivity Improvement Strategies on Safety Behaviour of Construction Labourers; A Step toward the Integration of Safety and Productivity. <i>Buildings</i> , 2022 , 12, 317	3.2	0
100	Implementation of BIM Energy Analysis and Monte Carlo Simulation for Estimating Building Energy Performance Based on Regression Approach: A Case Study. <i>Buildings</i> , 2022 , 12, 449	3.2	7
99	Beyond the Backyard: GIS Analysis of Public Green Space Accessibility in Australian Metropolitan Areas. <i>Sustainability</i> , 2022 , 14, 4694	3.6	3
98	A novel attention-based deep learning method for post-disaster building damage classification. <i>Expert Systems With Applications</i> , 2022 , 117268	7.8	3
97	Using Regression Model to Develop Green Building Energy Simulation by BIM Tools. <i>Sustainability</i> , 2022 , 14, 6262	3.6	2
96	Digital Twin and Cities 2022 , 1-6		0
95	Lean Practices Using Building Information Modeling (BIM) and Digital Twinning for Sustainable Construction. <i>Sustainability</i> , 2021 , 13, 161	3.6	24
94	Life-Cycle Assessment of Fly Ash and Cenosphere-Based Geopolymer Material. <i>Sustainability</i> , 2021 , 13, 11167	3.6	0
93	Numerically Evaluation of FRP-Strengthened Members under Dynamic Impact Loading. <i>Buildings</i> , 2021 , 11, 14	3.2	0
92	Sustainable Architecture Creating Arches Using a Bamboo Grid Shell Structure: Numerical Analysis and Design. <i>Sustainability</i> , 2021 , 13, 2598	3.6	6
91	Integration of BIM and Immersive Technologies for AEC: A Scientometric-SWOT Analysis and Critical Content Review. <i>Buildings</i> , 2021 , 11, 126	3.2	18
90	Developing Metrics for Quantifying Buildings' Compactness and Visualizing Point Cloud Data on a Web-Based App and Dashboard. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04020178	4.2	6
89	Differentiating Digital Twin from Digital Shadow: Elucidating a Paradigm Shift to Expedite a Smart, Sustainable Built Environment. <i>Buildings</i> , 2021 , 11, 151	3.2	49

88	Metrics development and modelling the mixed reality and digital twin adoption in the context of Industry 4.0. <i>Engineering, Construction and Architectural Management</i> , 2021 , 28, 1355-1376	3.1	9
87	Assessment of the Local and Global Stability of the Luzzzone Arch Dam Including Visualisation of the Data Analysis. <i>Sustainability</i> , 2021 , 13, 4062	3.6	0
86	Barriers to the digitalisation and innovation of Australian Smart Real Estate: A managerial perspective on the technology non-adoption. <i>Environmental Technology and Innovation</i> , 2021 , 22, 101527	7	24
85	Applications of object detection in modular construction based on a comparative evaluation of deep learning algorithms. <i>Construction Innovation</i> , 2021 , ahead-of-print,	4.1	2
84	It's all about perceptions: A DEMATEL approach to exploring user perceptions of real estate online platforms. <i>Ain Shams Engineering Journal</i> , 2021 ,	4.4	21
83	Advanced Structural Analysis of Innovative Steel-Glass Structures with Respect to the Architectural Design. <i>Buildings</i> , 2021 , 11, 208	3.2	1
82	Risk management in sustainable smart cities governance: A TOE framework. <i>Technological Forecasting and Social Change</i> , 2021 , 167, 120743	9.5	51
81	Measuring non-road diesel emissions in the construction industry: a synopsis of the literature. <i>International Journal of Construction Management</i> , 2021 , 21, 582-597	1.9	12
80	Digital technology utilisation decisions for facilitating the implementation of Industry 4.0 technologies. <i>Construction Innovation</i> , 2021 , 21, 476-489	4.1	8
79	Intelligent contract adoption in the construction industry: Concept development. <i>Automation in Construction</i> , 2021 , 122, 103452	9.6	38
78	Engineering Procurement Construction in the Context of Belt and Road Infrastructure Projects in West Asia: A SWOT Analysis. <i>Journal of Risk and Financial Management</i> , 2021 , 14, 92	2.4	5
77	Information asymmetries between vendors and customers in the advanced construction technology diffusion process. <i>Construction Innovation</i> , 2021 , ahead-of-print,	4.1	2
76	Triggers of Delays in International Projects Using Engineering Procurement and Construction Delivery Methods in the Belt and Road Initiative: Case Study of a High-Speed Railway Projects. <i>Sustainability</i> , 2021 , 13, 9503	3.6	1
75	Urban Overheating Assessment through Prediction of Surface Temperatures: A Case Study of Karachi, Pakistan. <i>ISPRS International Journal of Geo-Information</i> , 2021 , 10, 539	2.9	11
74	Waste management and possible directions of utilising digital technologies in the construction context. <i>Journal of Cleaner Production</i> , 2021 , 129095	10.3	5
73	Onsite Quality Check for Installation of Prefabricated Wall Panels Using Laser Scanning. <i>Buildings</i> , 2021 , 11, 412	3.2	5
72	Modelling users' perception of the online real estate platforms in a digitally disruptive environment: An integrated KANO-SISQual approach. <i>Telematics and Informatics</i> , 2021 , 63, 101660	8.1	18
71	A new concept to design combined support under dynamic loading using numerical modelling. <i>Tunnelling and Underground Space Technology</i> , 2021 , 117, 104132	5.7	0

70	Project Data Categorization, Adoption Factors, and Non-Functional Requirements for Blockchain Based Digital Twins in the Construction Industry 4.0. <i>Buildings</i> , 2021 , 11, 626	3.2	6
69	Adoption of Blockchain Technology through Digital Twins in the Construction Industry 4.0: A PESTELS Approach. <i>Buildings</i> , 2021 , 11, 670	3.2	12
68	The SDGs, Ecosystem Services and Cities: A Network Analysis of Current Research Innovation for Implementing Urban Sustainability. <i>Sustainability</i> , 2021 , 13, 14057	3.6	3
67	Developing a Scoring System to Evaluate the Level of Smartness in Commercial Buildings: A Case of Sri Lanka. <i>Buildings</i> , 2021 , 11, 644	3.2	1
66	The Impact of Increased Density on Residential Property Values in Sydney, New South Wales. <i>Buildings</i> , 2021 , 11, 650	3.2	1
65	5D BIM Applications in Quantity Surveying: Dynamo and 3D Printing Technologies 2020 ,		2
64	The Performance Gap in Energy-Efficient Office Buildings: How the Occupants Can Help?. <i>Energies</i> , 2020 , 13, 1480	3.1	23
63	Key Factors Influencing Purchase or Rent Decisions in Smart Real Estate Investments: A System Dynamics Approach Using Online Forum Thread Data. <i>Sustainability</i> , 2020 , 12, 4382	3.6	25
62	Technology Acceptance in e-Governance: A Case of a Finance Organization. <i>Journal of Risk and Financial Management</i> , 2020 , 13, 138	2.4	5
61	Smart Digital Marketing Capabilities for Sustainable Property Development: A Case of Malaysia. <i>Sustainability</i> , 2020 , 12, 5402	3.6	29
60	Development of Preliminary Curved Bamboo Member Design Guidelines through Finite Element Analysis. <i>Sustainability</i> , 2020 , 12, 822	3.6	3
59	Data mining for recognition of spatial distribution patterns of building heights using airborne lidar data. <i>Advanced Engineering Informatics</i> , 2020 , 43, 101033	7.4	16
58	BIM compatibility and its differentiation with interoperability challenges as an innovation factor. <i>Automation in Construction</i> , 2020 , 112, 103086	9.6	53
57	A Systematic Content Review of Artificial Intelligence and the Internet of Things Applications in Smart Home. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3074	2.6	35
56	Big Data and Its Applications in Smart Real Estate and the Disaster Management Life Cycle: A Systematic Analysis. <i>Big Data and Cognitive Computing</i> , 2020 , 4, 4	3.5	48
55	A Novel Damage Model for Strata Layers and Coal Mass. <i>Energies</i> , 2020 , 13, 1928	3.1	3
54	Closure to Evaluation of Terrestrial and Mobile Scanner Technologies for Part-Built Information Modeling by Samad M. E. Sepasgozar, Perry Forsythe, and Sara Shirowzhan. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 07019002	4.2	
53	Examining the impact of students' attendance, sketching, visualization, and tutors experience on students' performance: a case of building structures course in construction management. <i>Construction Economics and Building</i> , 2020 , 20,	0.9	8

52	Automated PPE-Tool pair check system for construction safety using smart IoT. <i>Journal of Building Engineering</i> , 2020 , 32, 101721	5.2	13
51	Criteria development for sustainable construction manufacturing in Construction Industry 4.0. <i>Construction Innovation</i> , 2020 , 20, 379-400	4.1	20
50	Energy Performance of a High-Rise Residential Building Using Fibre-Reinforced Structural Lightweight Aggregate Concrete. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4489	2.6	1
49	A Systematic Review of Digital Technology Adoption in Off-Site Construction: Current Status and Future Direction towards Industry 4.0. <i>Buildings</i> , 2020 , 10, 204	3.2	55
48	Digital Twin and Web-Based Virtual Gaming Technologies for Online Education: A Case of Construction Management and Engineering. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4678	2.6	50
47	Developing a theoretical framework for intelligent contract acceptance. <i>Construction Innovation</i> , 2020 , 20, 421-445	4.1	22
46	A GIS-Based Risk and Safety Analysis of Entrance Areas in Educational Buildings Based on Students' Experience 2020 ,		1
45	Additive Manufacturing Applications for Industry 4.0: A Systematic Critical Review. <i>Buildings</i> , 2020 , 10, 231	3.2	35
44	A scientometric analysis and critical review of construction related ontology research. <i>Automation in Construction</i> , 2019 , 101, 17-31	9.6	77
43	Comparative analysis of machine learning and point-based algorithms for detecting 3D changes in buildings over time using bi-temporal lidar data. <i>Automation in Construction</i> , 2019 , 105, 102841	9.6	36
42	Numerical Analysis of the Creep and Shrinkage Experienced in the Sydney Opera House and the Rise of Digital Twin as Future Monitoring Technology. <i>Buildings</i> , 2019 , 9, 137	3.2	16
41	Measuring installation productivity in prefabricated timber construction. <i>Engineering, Construction and Architectural Management</i> , 2019 , 26, 578-598	3.1	2
40	Developing Shuffled Frog-Leaping Algorithm (SFLA) Method to Solve Power Load-Constrained TCRTO Problems in Civil Engineering. <i>Advances in Civil Engineering</i> , 2019 , 2019, 1-16	1.3	4
39	Methods for monitoring construction off-road vehicle emissions: a critical review for identifying deficiencies and directions. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 15779-15794	5.1	19
38	Spatial Analysis Using Temporal Point Clouds in Advanced GIS: Methods for Ground Elevation Extraction in Slant Areas and Building Classifications. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 120	2.9	24
37	Evaluation of Classical Operators and Fuzzy Logic Algorithms for Edge Detection of Panels at Exterior Cladding of Buildings. <i>Buildings</i> , 2019 , 9, 40	3.2	11
36	BIM adoption model for small and medium construction organisations in Australia. <i>Engineering, Construction and Architectural Management</i> , 2019 , 26, 154-183	3.1	46
35	Digital Construction Technology and Job-site Equipment Demonstration: Modelling Relationship Strategies for Technology Adoption. <i>Buildings</i> , 2019 , 9, 158	3.2	12

34	Delay Causes and Emerging Digital Tools: A Novel Model of Delay Analysis, Including Integrated Project Delivery and PMBOK. <i>Buildings</i> , 2019 , 9, 191	3.2	28
33	A Study of Information Technology Adoption for Real-Estate Management: A System Dynamic Model 2019 , 469-486		6
32	3D Printing Architectural Freeform Elements: Challenges and Opportunities in Manufacturing for Industry 4.0 2019 ,		2
31	Implication of a Construction Labour Tracking System for Measuring Labour Productivity 2019 , 1-15		3
30	Green Performance Evaluation System for Energy-Efficiency-Based Planning for Construction Site Layout. <i>Energies</i> , 2019 , 12, 4620	3.1	16
29	Implementing citizen centric technology in developing smart cities: A model for predicting the acceptance of urban technologies. <i>Technological Forecasting and Social Change</i> , 2019 , 142, 105-116	9.5	95
28	Prioritizing Best Value Contributing Factors for Contractor Selection: An AHP Approach 2018 , 1121-1131		
27	Modeling the Implementation Process for New Construction Technologies: Thematic Analysis Based on Australian and U.S. Practices. <i>Journal of Management in Engineering - ASCE</i> , 2018 , 34, 05018005 ^{5.3}		34
26	Construction Technology Adoption Cube: An Investigation on Process, Factors, Barriers, Drivers and Decision Makers Using NVivo and AHP Analysis. <i>Buildings</i> , 2018 , 8, 74	3.2	36
25	An Investigation on Virtual Information Modeling Acceptance Based on Project Management Knowledge Areas. <i>Buildings</i> , 2018 , 8, 80	3.2	7
24	System Dynamics Model to Determine Concession Period of PPP Infrastructure Projects: Overarching Effects of Critical Success Factors. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2018 , 10, 04518022	1.7	15
23	Dissemination Practices of Construction Sites Technology Vendors in Technology Exhibitions. <i>Journal of Management in Engineering - ASCE</i> , 2018 , 34, 04018038	5.3	18
22	Three-Dimensional Printing Using Recycled High-Density Polyethylene: Technological Challenges and Future Directions for Construction. <i>Buildings</i> , 2018 , 8, 165	3.2	16
21	An investigation of modern building equipment technology adoption in the Australian construction industry. <i>Engineering, Construction and Architectural Management</i> , 2018 , 25, 1075-1091	3.1	16
20	A Systematic Review of Smart Real Estate Technology: Drivers of, and Barriers to, the Use of Digital Disruptive Technologies and Online Platforms. <i>Sustainability</i> , 2018 , 10, 3142	3.6	60
19	Spatial compactness metrics and Constrained Voxel Automata development for analyzing 3D densification and applying to point clouds: A synthetic review. <i>Automation in Construction</i> , 2018 , 96, 236-249 ^{9.6}		28
18	Evaluation of Terrestrial and Mobile Scanner Technologies for Part-Built Information Modeling. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04018110	4.2	25
17	Monitoring Physical Progress of Indoor Buildings Using Mobile and Terrestrial Point Clouds 2018 ,		3

16	Application of differential transformation method (DTM) for heat and mass transfer in a porous channel. <i>Propulsion and Power Research</i> , 2017 , 6, 41-48	3.6	18
15	A Scanner Technology Acceptance Model for Construction Projects. <i>Procedia Engineering</i> , 2017 , 180, 1237-1246		24
14	The role of customers and vendors in modern construction equipment technology diffusion. <i>Engineering, Construction and Architectural Management</i> , 2017 , 24, 1203-1221	3.1	14
13	An Integration of Wi-Fi Based Locating System and GIS for Improving Construction Labour Communications 2017 ,		3
12	Discussion of Barriers of Implementing Modern Methods of Construction by M. Motiar Rahman. <i>Journal of Management in Engineering - ASCE</i> , 2016 , 32, 07015001	5.3	4
11	Factors Influencing BIM Adoption in Small and Medium Sized Construction Organizations 2016 ,		10
10	Conceptualising information and equipment technology adoption in construction. <i>Engineering, Construction and Architectural Management</i> , 2016 , 23, 158-176	3.1	45
9	Utilisation of a New Terrestrial Scanner for Reconstruction of As-Built Models: A Comparative Study 2015 ,		6
8	Implementation of Rapid As-built Building Information Modeling Using Mobile LiDAR 2014 ,		6
7	Implementation of As-Built Information Modelling Using Mobile and Terrestrial Lidar Systems 2014 ,		2
6	Diffusion Pattern Recognition of Technology Vendors in Construction 2014 ,		1
5	Factors Influencing the Decision of Technology Adoption in Construction 2012 ,		6
4	An Investigation on Virtual Information Modeling Acceptance Based on Project Management Knowledge Areas		3
3	An Investigation of Virtual Reality Technology Adoption in the Construction Industry		6
2	Application of building information modelling for fire hazard management in high-rise buildings: an investigation in Sri Lanka. <i>Intelligent Buildings International</i> , 1-15	1.7	2
1	Conceptual Framework for the Service-Oriented Management of Construction Labor Resource. <i>EMJ - Engineering Management Journal</i> , 1-16	1.9	