Lukumon O Oyedele

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Project reputation in construction: a process-based perspective of construction practitioners in the UK. International Journal of Construction Management, 2022, 22, 2267-2278.	3.2	2
2	Drivers and Challenges Associated With the Implementation of Big Data Within U.K. Facilities Management Sector: An Exploratory Factor Analysis Approach. IEEE Transactions on Engineering Management, 2022, 69, 916-929.	3.5	17
3	Integrated life-cycle optimisation and supply-side management for building retrofitting. Renewable and Sustainable Energy Reviews, 2022, 154, 111827.	16.4	5
4	Rainfall prediction: A comparative analysis of modern machine learning algorithms for time-series forecasting. Machine Learning With Applications, 2022, 7, 100204.	4.4	52
5	A self-adaptive deep learning model for building electricity load prediction with moving horizon. Machine Learning With Applications, 2022, 7, 100257.	4.4	6
6	Life cycle optimisation of building retrofitting considering climate change effects. Energy and Buildings, 2022, 258, 111830.	6.7	11
7	Cloud computing in construction industry: Use cases, benefits and challenges. Automation in Construction, 2021, 122, 103441.	9.8	163
8	IoT Technologies for Livestock Management: A Review of Present Status, Opportunities, and Future Trends. Big Data and Cognitive Computing, 2021, 5, 10.	4.7	48
9	Forecasting building energy consumption: Adaptive long-short term memory neural networks driven by genetic algorithm. Advanced Engineering Informatics, 2021, 50, 101357.	8.0	70
10	Deep learning and Boosted trees for injuries prediction in power infrastructure projects. Applied Soft Computing Journal, 2021, 110, 107587.	7.2	22
11	A data-driven life-cycle optimisation approach for building retrofitting: A comprehensive assessment on economy, energy and environment. Journal of Building Engineering, 2021, 43, 102934.	3.4	13
12	Deep learning with small datasets: using autoencoders to address limited datasets in construction management. Applied Soft Computing Journal, 2021, 112, 107836.	7.2	24
13	Machine learning predictions for lost time injuries in power transmission and distribution projects. Machine Learning With Applications, 2021, 6, 100158.	4.4	7
14	Artificial intelligence in the construction industry: A review of present status, opportunities and future challenges. Journal of Building Engineering, 2021, 44, 103299.	3.4	190
15	Assessment and optimisation of life cycle environment, economy and energy for building retrofitting. Energy for Sustainable Development, 2021, 65, 77-100.	4.5	31
16	Predicting Completion Risk in PPP Projects Using Big Data Analytics. IEEE Transactions on Engineering Management, 2020, 67, 430-453.	3.5	26
17	Critical Success Factors for Ensuring Bankable Completion Risk in PFI/PPP Megaprojects. Journal of Management in Engineering - ASCE, 2020, 36, .	4.8	28
18	Deep Learning Models for Health and Safety Risk Prediction in Power Infrastructure Projects. Risk Analysis, 2020, 40, 2019-2039.	2.7	42

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19	Design for deconstruction using a circular economy approach: barriers and strategies for improvement. Production Planning and Control, 2020, 31, 829-840.	8.8	72
20	Genetic algorithm-determined deep feedforward neural network architecture for predicting electricity consumption in real buildings. Energy and AI, 2020, 2, 100015.	10.6	42
21	Offsite Construction for Emergencies: A focus on Isolation Space Creation (ISC) measures for the COVID-19 pandemic. Progress in Disaster Science, 2020, 8, 100130.	2.7	37
22	Deep learning model for Demolition Waste Prediction in a circular economy. Journal of Cleaner Production, 2020, 274, 122843.	9.3	86
23	Life cycle assessment approach for renewable multi-energy system: A comprehensive analysis. Energy Conversion and Management, 2020, 224, 113354.	9.2	30
24	BIM competencies for delivering waste-efficient building projects in a circular economy. Developments in the Built Environment, 2020, 4, 100036.	4.0	25
25	Two-stage capacity optimization approach of multi-energy system considering its optimal operation. Energy and Al, 2020, 1, 100005.	10.6	21
26	Big data innovation and diffusion in projects teams: Towards a conflict prevention culture. Developments in the Built Environment, 2020, 3, 100016.	4.0	4
27	Feature extraction and genetic algorithm enhanced adaptive deep neural network for energy consumption prediction in buildings. Renewable and Sustainable Energy Reviews, 2020, 131, 109980.	16.4	81
28	Comparative study of machine learning-based multi-objective prediction framework for multiple building energy loads. Sustainable Cities and Society, 2020, 61, 102283.	10.4	65
29	Optimised Big Data analytics for health and safety hazards prediction in power infrastructure operations. Safety Science, 2020, 125, 104656.	4.9	27
30	Big Data with deep learning for benchmarking profitability performance in project tendering. Expert Systems With Applications, 2020, 147, 113194.	7.6	16
31	3D pattern identification approach for cooling load profiles in different buildings. Journal of Building Engineering, 2020, 31, 101339.	3.4	3
32	A Big Data Analytics Approach for Construction Firms Failure Prediction Models. IEEE Transactions on Engineering Management, 2019, 66, 689-698.	3.5	28
33	Development of an IoT-based big data platform for day-ahead prediction of building heating and cooling demands. Advanced Engineering Informatics, 2019, 41, 100926.	8.0	69
34	Integrating construction supply chains within a circular economy: AnÂANFIS-based waste analytics system (A-WAS). Journal of Cleaner Production, 2019, 229, 863-873.	9.3	94
35	Disassembly and deconstruction analytics system (D-DAS) for construction in a circular economy. Journal of Cleaner Production, 2019, 223, 386-396.	9.3	121
36	Changing significance of embodied energy: A comparative study of material specifications and building energy sources. Journal of Building Engineering, 2019, 23, 324-333.	3.4	41

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37	Stimulating the attractiveness of PFI/PPPs using public sector guarantees. World Journal of Entrepreneurship, Management and Sustainable Development, 2019, 15, 239-258.	1.1	1
38	Risk mitigation in PFI/PPP project finance. Built Environment Project and Asset Management, 2019, 10, 28-49.	1.6	6
39	Offsite construction: Developing a BIM-Based optimizer for assembly. Journal of Cleaner Production, 2019, 215, 1180-1190.	9.3	80
40	Reusability analytics tool for end-of-life assessment of building materials in a circular economy. World Journal of Science Technology and Sustainable Development, 2019, 16, 40-55.	2.0	21
41	Big data platform for health and safety accident prediction. World Journal of Science Technology and Sustainable Development, 2019, 16, 2-21.	2.0	25
42	Public private partnerships (PPP) in the developing world: mitigating financiers' risks. World Journal of Science Technology and Sustainable Development, 2019, 16, 121-141.	2.0	8
43	Designing out construction waste using BIM technology: Stakeholders' expectations for industry deployment. Journal of Cleaner Production, 2018, 180, 375-385.	9.3	159
44	Systematic review of bankruptcy prediction models: Towards a framework for tool selection. Expert Systems With Applications, 2018, 94, 164-184.	7.6	185
45	Salvaging building materials in a circular economy: A BIM-based whole-life performance estimator. Resources, Conservation and Recycling, 2018, 129, 175-186.	10.8	232
46	Critical design factors for minimising waste in construction projects: A structural equation modelling approach. Resources, Conservation and Recycling, 2018, 137, 302-313.	10.8	65
47	Critical factors for insolvency prediction: towards a theoretical model for the construction industry. International Journal of Construction Management, 2017, 17, 25-49.	3.2	23
48	Insolvency of Small Civil Engineering Firms: Critical Strategic Factors. Journal of Professional Issues in Engineering Education and Practice, 2017, 143, .	0.9	7
49	BIM-based deconstruction tool: Towards essential functionalities. International Journal of Sustainable Built Environment, 2017, 6, 260-271.	3.2	65
50	Critical management practices influencing on-site waste minimization in construction projects. Waste Management, 2017, 59, 330-339.	7.4	118
51	Design for Deconstruction (DfD): Critical success factors for diverting end-of-life waste from landfills. Waste Management, 2017, 60, 3-13.	7.4	139
52	Evaluation criteria for construction waste management tools: towards a holistic BIM framework. International Journal of Sustainable Building Technology and Urban Development, 2016, 7, 3-21.	1.0	38
53	Methodological approach of construction business failure prediction studies: a review. Construction Management and Economics, 2016, 34, 808-842.	3.0	16
54	Competency-based measures for designing out construction waste: task and contextual attributes. Engineering, Construction and Architectural Management, 2016, 23, 464-490.	3.1	29

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55	Emotional intelligence and British expatriates' cross-cultural adjustment in international construction projects. Construction Management and Economics, 2016, 34, 751-768.	3.0	22
56	Big Data in the construction industry: A review of present status, opportunities, and future trends. Advanced Engineering Informatics, 2016, 30, 500-521.	8.0	428
57	Effect of excess dosages of superplasticizer on the properties of highly sustainable high-volume fly ash concrete. International Journal of Sustainable Building Technology and Urban Development, 2016, 7, 73-86.	1.0	13
58	Big data architecture for construction waste analytics (CWA): A conceptual framework. Journal of Building Engineering, 2016, 6, 144-156.	3.4	130
59	Reducing waste to landfill: A need for cultural change in the UK construction industry. Journal of Building Engineering, 2016, 5, 185-193.	3.4	106
60	Effective indoor air quality for energy-efficient homes: a comparison of UK rating systems. Architectural Science Review, 2016, 59, 159-173.	2.2	10
61	Waste minimisation through deconstruction: A BIM based Deconstructability Assessment Score (BIM-DAS). Resources, Conservation and Recycling, 2015, 105, 167-176.	10.8	163
62	Analysis of critical features and evaluation of BIM software: towards a plug-in for construction waste minimization using big data. International Journal of Sustainable Building Technology and Urban Development, 2015, 6, 211-228.	1.0	54
63	Waste effectiveness of the construction industry: Understanding the impediments and requisites for improvements. Resources, Conservation and Recycling, 2015, 102, 101-112.	10.8	158
64	Critical factors affecting construction quality in Nigeria: evidence from industry professionals. International Journal of Sustainable Building Technology and Urban Development, 2015, 6, 103-113.	1.0	22
65	Use of recycled products in UK construction industry: An empirical investigation into critical impediments and strategies for improvement. Resources, Conservation and Recycling, 2014, 93, 23-31.	10.8	93
66	Analysis of architects' demotivating factors in design firms. International Journal of Project Management, 2013, 31, 342-354.	5.6	59
67	Avoiding Performance Failure Payment Deductions in PFI/PPP Projects: Model of Critical Success Factors. Journal of Performance of Constructed Facilities, 2013, 27, 283-294.	2.0	64
68	Reducing waste to landfill in the UK: identifying impediments and critical solutions. World Journal of Science Technology and Sustainable Development, 2013, 10, 131-142.	2.0	47
69	Clients' assessment of architects' performance in building delivery process: Evidence from Nigeria. Building and Environment, 2007, 42, 2090-2099.	6.9	57