

Lukumon O Oyedele

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4029068/publications.pdf>

Version: 2024-02-01

69
papers

4,262
citations

125106

35
h-index

129628

63
g-index

69
all docs

69
docs citations

69
times ranked

2632
citing authors

#	ARTICLE	IF	CITATIONS
1	Project reputation in construction: a process-based perspective of construction practitioners in the UK. <i>International Journal of Construction Management</i> , 2022, 22, 2267-2278.	2.2	2
2	Drivers and Challenges Associated With the Implementation of Big Data Within U.K. Facilities Management Sector: An Exploratory Factor Analysis Approach. <i>IEEE Transactions on Engineering Management</i> , 2022, 69, 916-929.	2.4	17
3	Integrated life-cycle optimisation and supply-side management for building retrofitting. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 154, 111827.	8.2	5
4	Rainfall prediction: A comparative analysis of modern machine learning algorithms for time-series forecasting. <i>Machine Learning With Applications</i> , 2022, 7, 100204.	3.0	52
5	A self-adaptive deep learning model for building electricity load prediction with moving horizon. <i>Machine Learning With Applications</i> , 2022, 7, 100257.	3.0	6
6	Life cycle optimisation of building retrofitting considering climate change effects. <i>Energy and Buildings</i> , 2022, 258, 111830.	3.1	11
7	Cloud computing in construction industry: Use cases, benefits and challenges. <i>Automation in Construction</i> , 2021, 122, 103441.	4.8	163
8	IoT Technologies for Livestock Management: A Review of Present Status, Opportunities, and Future Trends. <i>Big Data and Cognitive Computing</i> , 2021, 5, 10.	2.9	48
9	Forecasting building energy consumption: Adaptive long-short term memory neural networks driven by genetic algorithm. <i>Advanced Engineering Informatics</i> , 2021, 50, 101357.	4.0	70
10	Deep learning and Boosted trees for injuries prediction in power infrastructure projects. <i>Applied Soft Computing Journal</i> , 2021, 110, 107587.	4.1	22
11	A data-driven life-cycle optimisation approach for building retrofitting: A comprehensive assessment on economy, energy and environment. <i>Journal of Building Engineering</i> , 2021, 43, 102934.	1.6	13
12	Deep learning with small datasets: using autoencoders to address limited datasets in construction management. <i>Applied Soft Computing Journal</i> , 2021, 112, 107836.	4.1	24
13	Machine learning predictions for lost time injuries in power transmission and distribution projects. <i>Machine Learning With Applications</i> , 2021, 6, 100158.	3.0	7
14	Artificial intelligence in the construction industry: A review of present status, opportunities and future challenges. <i>Journal of Building Engineering</i> , 2021, 44, 103299.	1.6	190
15	Assessment and optimisation of life cycle environment, economy and energy for building retrofitting. <i>Energy for Sustainable Development</i> , 2021, 65, 77-100.	2.0	31
16	Predicting Completion Risk in PPP Projects Using Big Data Analytics. <i>IEEE Transactions on Engineering Management</i> , 2020, 67, 430-453.	2.4	26
17	Critical Success Factors for Ensuring Bankable Completion Risk in PFI/PPP Megaprojects. <i>Journal of Management in Engineering - ASCE</i> , 2020, 36, .	2.6	28
18	Deep Learning Models for Health and Safety Risk Prediction in Power Infrastructure Projects. <i>Risk Analysis</i> , 2020, 40, 2019-2039.	1.5	42

#	ARTICLE	IF	CITATIONS
19	Design for deconstruction using a circular economy approach: barriers and strategies for improvement. <i>Production Planning and Control</i> , 2020, 31, 829-840.	5.8	72
20	Genetic algorithm-determined deep feedforward neural network architecture for predicting electricity consumption in real buildings. <i>Energy and AI</i> , 2020, 2, 100015.	5.8	42
21	Offsite Construction for Emergencies: A focus on Isolation Space Creation (ISC) measures for the COVID-19 pandemic. <i>Progress in Disaster Science</i> , 2020, 8, 100130.	1.4	37
22	Deep learning model for Demolition Waste Prediction in a circular economy. <i>Journal of Cleaner Production</i> , 2020, 274, 122843.	4.6	86
23	Life cycle assessment approach for renewable multi-energy system: A comprehensive analysis. <i>Energy Conversion and Management</i> , 2020, 224, 113354.	4.4	30
24	BIM competencies for delivering waste-efficient building projects in a circular economy. <i>Developments in the Built Environment</i> , 2020, 4, 100036.	2.0	25
25	Two-stage capacity optimization approach of multi-energy system considering its optimal operation. <i>Energy and AI</i> , 2020, 1, 100005.	5.8	21
26	Big data innovation and diffusion in projects teams: Towards a conflict prevention culture. <i>Developments in the Built Environment</i> , 2020, 3, 100016.	2.0	4
27	Feature extraction and genetic algorithm enhanced adaptive deep neural network for energy consumption prediction in buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 109980.	8.2	81
28	Comparative study of machine learning-based multi-objective prediction framework for multiple building energy loads. <i>Sustainable Cities and Society</i> , 2020, 61, 102283.	5.1	65
29	Optimised Big Data analytics for health and safety hazards prediction in power infrastructure operations. <i>Safety Science</i> , 2020, 125, 104656.	2.6	27
30	Big Data with deep learning for benchmarking profitability performance in project tendering. <i>Expert Systems With Applications</i> , 2020, 147, 113194.	4.4	16
31	3D pattern identification approach for cooling load profiles in different buildings. <i>Journal of Building Engineering</i> , 2020, 31, 101339.	1.6	3
32	A Big Data Analytics Approach for Construction Firms Failure Prediction Models. <i>IEEE Transactions on Engineering Management</i> , 2019, 66, 689-698.	2.4	28
33	Development of an IoT-based big data platform for day-ahead prediction of building heating and cooling demands. <i>Advanced Engineering Informatics</i> , 2019, 41, 100926.	4.0	69
34	Integrating construction supply chains within a circular economy: An ANFIS-based waste analytics system (A-WAS). <i>Journal of Cleaner Production</i> , 2019, 229, 863-873.	4.6	94
35	Disassembly and deconstruction analytics system (D-DAS) for construction in a circular economy. <i>Journal of Cleaner Production</i> , 2019, 223, 386-396.	4.6	121
36	Changing significance of embodied energy: A comparative study of material specifications and building energy sources. <i>Journal of Building Engineering</i> , 2019, 23, 324-333.	1.6	41

#	ARTICLE	IF	CITATIONS
37	Stimulating the attractiveness of PFI/PPPs using public sector guarantees. <i>World Journal of Entrepreneurship, Management and Sustainable Development</i> , 2019, 15, 239-258.	0.6	1
38	Risk mitigation in PFI/PPP project finance. <i>Built Environment Project and Asset Management</i> , 2019, 10, 28-49.	0.9	6
39	Offsite construction: Developing a BIM-Based optimizer for assembly. <i>Journal of Cleaner Production</i> , 2019, 215, 1180-1190.	4.6	80
40	Reusability analytics tool for end-of-life assessment of building materials in a circular economy. <i>World Journal of Science Technology and Sustainable Development</i> , 2019, 16, 40-55.	2.0	21
41	Big data platform for health and safety accident prediction. <i>World Journal of Science Technology and Sustainable Development</i> , 2019, 16, 2-21.	2.0	25
42	Public private partnerships (PPP) in the developing world: mitigating financiers' risks. <i>World Journal of Science Technology and Sustainable Development</i> , 2019, 16, 121-141.	2.0	8
43	Designing out construction waste using BIM technology: Stakeholders' expectations for industry deployment. <i>Journal of Cleaner Production</i> , 2018, 180, 375-385.	4.6	159
44	Systematic review of bankruptcy prediction models: Towards a framework for tool selection. <i>Expert Systems With Applications</i> , 2018, 94, 164-184.	4.4	185
45	Salvaging building materials in a circular economy: A BIM-based whole-life performance estimator. <i>Resources, Conservation and Recycling</i> , 2018, 129, 175-186.	5.3	232
46	Critical design factors for minimising waste in construction projects: A structural equation modelling approach. <i>Resources, Conservation and Recycling</i> , 2018, 137, 302-313.	5.3	65
47	Critical factors for insolvency prediction: towards a theoretical model for the construction industry. <i>International Journal of Construction Management</i> , 2017, 17, 25-49.	2.2	23
48	Insolvency of Small Civil Engineering Firms: Critical Strategic Factors. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2017, 143, .	0.9	7
49	BIM-based deconstruction tool: Towards essential functionalities. <i>International Journal of Sustainable Built Environment</i> , 2017, 6, 260-271.	3.2	65
50	Critical management practices influencing on-site waste minimization in construction projects. <i>Waste Management</i> , 2017, 59, 330-339.	3.7	118
51	Design for Deconstruction (DfD): Critical success factors for diverting end-of-life waste from landfills. <i>Waste Management</i> , 2017, 60, 3-13.	3.7	139
52	Evaluation criteria for construction waste management tools: towards a holistic BIM framework. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 2016, 7, 3-21.	1.0	38
53	Methodological approach of construction business failure prediction studies: a review. <i>Construction Management and Economics</i> , 2016, 34, 808-842.	1.8	16
54	Competency-based measures for designing out construction waste: task and contextual attributes. <i>Engineering, Construction and Architectural Management</i> , 2016, 23, 464-490.	1.8	29

#	ARTICLE	IF	CITATIONS
55	Emotional intelligence and British expatriates' cross-cultural adjustment in international construction projects. <i>Construction Management and Economics</i> , 2016, 34, 751-768.	1.8	22
56	Big Data in the construction industry: A review of present status, opportunities, and future trends. <i>Advanced Engineering Informatics</i> , 2016, 30, 500-521.	4.0	428
57	Effect of excess dosages of superplasticizer on the properties of highly sustainable high-volume fly ash concrete. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 2016, 7, 73-86.	1.0	13
58	Big data architecture for construction waste analytics (CWA): A conceptual framework. <i>Journal of Building Engineering</i> , 2016, 6, 144-156.	1.6	130
59	Reducing waste to landfill: A need for cultural change in the UK construction industry. <i>Journal of Building Engineering</i> , 2016, 5, 185-193.	1.6	106
60	Effective indoor air quality for energy-efficient homes: a comparison of UK rating systems. <i>Architectural Science Review</i> , 2016, 59, 159-173.	1.1	10
61	Waste minimisation through deconstruction: A BIM based Deconstructability Assessment Score (BIM-DAS). <i>Resources, Conservation and Recycling</i> , 2015, 105, 167-176.	5.3	163
62	Analysis of critical features and evaluation of BIM software: towards a plug-in for construction waste minimization using big data. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 2015, 6, 211-228.	1.0	54
63	Waste effectiveness of the construction industry: Understanding the impediments and requisites for improvements. <i>Resources, Conservation and Recycling</i> , 2015, 102, 101-112.	5.3	158
64	Critical factors affecting construction quality in Nigeria: evidence from industry professionals. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 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. <i>Resources, Conservation and Recycling</i> , 2014, 93, 23-31.	5.3	93
66	Analysis of architects' demotivating factors in design firms. <i>International Journal of Project Management</i> , 2013, 31, 342-354.	2.7	59
67	Avoiding Performance Failure Payment Deductions in PFI/PPP Projects: Model of Critical Success Factors. <i>Journal of Performance of Constructed Facilities</i> , 2013, 27, 283-294.	1.0	64
68	Reducing waste to landfill in the UK: identifying impediments and critical solutions. <i>World Journal of Science Technology and Sustainable Development</i> , 2013, 10, 131-142.	2.0	47
69	Clients' assessment of architects' performance in building delivery process: Evidence from Nigeria. <i>Building and Environment</i> , 2007, 42, 2090-2099.	3.0	57