Olugbenga O Akinade

List of Publications by Citations

44 papers	1,884 citations	22 h-index	43 g-index
44 ext. papers	2,495 ext. citations	6.1 avg, IF	5.2 L-index

#	Paper	IF	Citations
44	Big Data in the construction industry: A review of present status, opportunities, and future trends. *Advanced Engineering Informatics*, **2016**, 30, 500-521	7.4	272
43	Salvaging building materials in a circular economy: A BIM-based whole-life performance estimator. *Resources, Conservation and Recycling*, **2018**, 129, 175-186	11.9	136
42	Waste effectiveness of the construction industry: Understanding the impediments and requisites for improvements. *Resources, Conservation and Recycling*, **2015**, 102, 101-112	11.9	115
41	Systematic review of bankruptcy prediction models: Towards a framework for tool selection. *Expert Systems With Applications*, **2018**, 94, 164-184	7.8	115
40	Waste minimisation through deconstruction: A BIM based Deconstructability Assessment Score (BIM-DAS). *Resources, Conservation and Recycling*, **2015**, 105, 167-176	11.9	114
39	Big data architecture for construction waste analytics (CWA): A conceptual framework. *Journal of Building Engineering*, **2016**, 6, 144-156	5.2	101
38	Designing out construction waste using BIM technology: Stakeholdersaexpectations for industry deployment. *Journal of Cleaner Production*, **2018**, 180, 375-385	10.3	92
37	Design for Deconstruction (DfD): Critical success factors for diverting end-of-life waste from landfills. *Waste Management*, **2017**, 60, 3-13	8.6	79
36	Critical management practices influencing on-site waste minimization in construction projects. *Waste Management*, **2017**, 59, 330-339	8.6	78
35	Reducing waste to landfill: A need for cultural change in the UK construction industry. *Journal of Building Engineering*, **2016**, 5, 185-193	5.2	73
34	Disassembly and deconstruction analytics system (D-DAS) for construction in a circular economy. *Journal of Cleaner Production*, **2019**, 223, 386-396	10.3	55
33	Deep learning in the construction industry: A review of present status and future innovations. *Journal of Building Engineering*, **2020**, 32, 101827	5.2	53
32	Offsite construction: Developing a BIM-Based optimizer for assembly. *Journal of Cleaner Production* , **2019**, 215, 1180-1190	10.3	50
31	BIM-based deconstruction tool: Towards essential functionalities. *International Journal of Sustainable Built Environment*, **2017**, 6, 260-271		47
30	Integrating construction supply chains within a circular economy: An□ANFIS-based waste analytics system (A-WAS). *Journal of Cleaner Production*, **2019**, 229, 863-873	10.3	46
29	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		39
28	Cloud computing in construction industry: Use cases, benefits and challenges. *Automation in Construction*, **2021**, 122, 103441	9.6	34

27	Optimising material procurement for construction waste minimization: An exploration of success factors. *Sustainable Materials and Technologies*, **2017**, 11, 38-46	5.3	33
26	Attributes of design for construction waste minimization: A case study of waste-to-energy project. *Renewable and Sustainable Energy Reviews*, **2017**, 73, 1333-1341	16.2	30
25	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		28
24	Design for deconstruction using a circular economy approach: barriers and strategies for improvement. *Production Planning and Control*, **2020**, 31, 829-840	4.3	25
23	Artificial intelligence in the construction industry: A review of present status, opportunities and future challenges. *Journal of Building Engineering*, **2021**, 44, 103299	5.2	24
22	IoT Technologies for Livestock Management: A Review of Present Status, Opportunities, and Future Trends. *Big Data and Cognitive Computing*, **2021**, 5, 10	3.5	21
21	Investigating profitability performance of construction projects using big data: A project analytics approach. *Journal of Building Engineering*, **2019**, 26, 100850	5.2	19
20	Competency-based measures for designing out construction waste: task and contextual attributes. *Engineering, Construction and Architectural Management*, **2016**, 23, 464-490	3.1	19
19	A web-based design for occupational safety and health capability maturity indicator. *Safety Science*, **2020**, 122, 104516	5.8	17
18	Critical factors for insolvency prediction: towards a theoretical model for the construction industry. *International Journal of Construction Management*, **2017**, 17, 25-49	1.9	16
17	Optimised Big Data analytics for health and safety hazards prediction in power infrastructure operations. *Safety Science*, **2020**, 125, 104656	5.8	15
16	A Big Data Analytics Approach for Construction Firms Failure Prediction Models. *IEEE Transactions on Engineering Management*, **2019**, 66, 689-698	2.6	15
15	Deep Learning Models for Health and Safety Risk Prediction in Power Infrastructure Projects. *Risk Analysis*, **2020**, 40, 2019-2039	3.9	13
14	Predicting Completion Risk in PPP Projects Using Big Data Analytics. *IEEE Transactions on Engineering Management*, **2020**, 67, 430-453	2.6	13
13	Critical Success Factors for Ensuring Bankable Completion Risk in PFI/PPP Megaprojects. *Journal of Management in Engineering - ASCE*, **2020**, 36, 04019032	5.3	13
12	Methodological approach of construction business failure prediction studies: a review. *Construction Management and Economics*, **2016**, 34, 808-842	3	11
11	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	1.3	11
10	The application of web of data technologies in building materials information modelling for construction waste analytics. *Sustainable Materials and Technologies*, **2017**, 11, 28-37	5.3	10

9	Big Data Analytics System for Costing Power Transmission Projects. *Journal of Construction Engineering and Management - ASCE*, **2020**, 146, 05019017	4.2	10
8	Benchmarks for energy access: Policy vagueness and incoherence as barriers to sustainable electrification of the global south. *Energy Research and Social Science*, **2019**, 54, 113-116	7.7	8
7	An income-reflective scalable energy level transition system for low/middle income households. *Sustainable Cities and Society*, **2019**, 45, 172-186	10.1	8
6	Design optimisation using convex programming: Towards waste-efficient building designs. *Journal of Building Engineering*, **2019**, 23, 231-240	5.2	6
5	BIM competencies for delivering waste-efficient building projects in a circular economy. *Developments in the Built Environment*, **2020**, 4, 100036	5.1	5
4	A framework for big data analytics approach to failure prediction of construction firms. *Applied Computing and Informatics*, **2018**, 16, 207-222	4.2	5
3	Insolvency of Small Civil Engineering Firms: Critical Strategic Factors. *Journal of Professional Issues in Engineering Education and Practice*, **2017**, 143, 04016026	0.7	4
2	Optimisation of resource management in construction projects: a big data approach. *World Journal of Science Technology and Sustainable Development*, **2019**, 16, 82-93	1.3	4
1	Risk mitigation in PFI/PPP project finance. *Built Environment Project and Asset Management*, **2019**, 10, 28-49	1.9	2