Muhd Zaimi Abd Majid

List of Publications by Citations

64 papers	2,492 citations	23 h-index	49 g-index
78 ext. papers	2,989 ext. citations	3 avg, IF	5.24 L-index

#	Paper	IF	Citations
64	A global review of energy consumption, CO 2 emissions and policy in the residential sector (with an overview of the top ten CO 2 emitting countries). *Renewable and Sustainable Energy Reviews*, **2015**, 43, 843-862	16.2	880
63	Tests and methods of evaluating the self-healing efficiency of concrete: A review. *Construction and Building Materials*, **2016**, 112, 1123-1132	6.7	127
62	Application of PSO to develop a powerful equation for prediction of flyrock due to blasting. *Neural Computing and Applications*, **2017**, 28, 1043-1050	4.8	118
61	Airblast prediction through a hybrid genetic algorithm-ANN model. *Neural Computing and Applications*, **2018**, 29, 619-629	4.8	108
60	A hybrid artificial bee colony algorithm-artificial neural network for forecasting the blast-produced ground vibration. *Engineering With Computers*, **2017**, 33, 689-700	4.5	99
59	Green Bambusa Arundinacea leaves extract as a sustainable corrosion inhibitor in steel reinforced concrete. *Journal of Cleaner Production*, **2014**, 67, 139-146	10.3	87
58	Factors of Non-Excusable Delays That Influence Contractors' Performance. *Journal of Management in Engineering - ASCE*, **1998**, 14, 42-49	5.3	85
57	Waterproof performance of concrete: A critical review on implemented approaches. *Construction and Building Materials*, **2015**, 101, 80-90	6.7	80
56	Efficiency of Microalgae Chlamydomonas on the Removal of Pollutants from Palm Oil Mill Effluent (POME). *Energy Procedia*, **2015**, 75, 2400-2408	2.3	69
55	An optimized ANN model based on genetic algorithm for predicting ripping production. *Neural Computing and Applications*, **2017**, 28, 393-406	4.8	63
54	A knowledge-based expert system for assessing the performance level of green buildings. *Knowledge-Based Systems*, **2015**, 86, 194-209	7.3	57
53	Classification and regression tree technique in estimating peak particle velocity caused by blasting. *Engineering With Computers*, **2017**, 33, 45-53	4.5	50
52	User satisfaction adaptive behaviors for assessing energy efficient building indoor cooling and lighting environment. *Renewable and Sustainable Energy Reviews*, **2014**, 39, 277-295	16.2	49
51	A Monte Carlo technique in safety assessment of slope under seismic condition. *Engineering With Computers*, **2017**, 33, 807-817	4.5	48
50	Iran's achievements in renewable energy during fourth development program in comparison with global trend. *Renewable and Sustainable Energy Reviews*, **2013**, 22, 561-570	16.2	47
49	Intelligent modelling of sandstone deformation behaviour using fuzzy logic and neural network systems. *Bulletin of Engineering Geology and the Environment*, **2018**, 77, 345-361	4	45
48	Efficiency of barium removal from radioactive waste water using the combination of maghemite and titania nanoparticles in PVA and alginate beads. *Applied Radiation and Isotopes*, **2015**, 105, 105-113	1.7	28

47	Contractor management performance evaluation model at prequalification stage. *Expert Systems With Applications*, **2015**, 42, 5087-5101	7.8	27
46	MCPCM: A DEMATEL-ANP-Based Multi-criteria Decision-Making Approach to Evaluate the Critical Success Factors in Construction Projects. *Arabian Journal for Science and Engineering*, **2015**, 40, 343-361		27
45	Optimum lipid production using agro-industrial wastewater treated microalgae as biofuel substrate. *Clean Technologies and Environmental Policy*, **2016**, 18, 2513-2523	4.3	27
44	Isolation and screening of microalgae from agro-industrial wastewater (POME) for biomass and biodiesel sources. *Desalination and Water Treatment*, **2016**, 57, 29118-29125		26
43	Building Energy Consumption in Malaysia: An Overview. *Jurnal Teknologi (Sciences and Engineering)*, **2014**, 70,	1.2	26
42	Critical Criteria on Client and Customer Satisfaction for the Issue of Performance Measurement. *Journal of Management in Engineering - ASCE*, **2014**, 30, 10-18	5.3	25
41	Biofiltration process as an ideal approach to remove pollutants from polluted air. *Desalination and Water Treatment*, **2014**, 52, 3600-3615		22
40	A multi-criteria analysis for bridge sustainability assessment: a case study of Penang Second Bridge, Malaysia. *Structure and Infrastructure Engineering*, **2015**, 11, 638-654	2.9	19
39	Lipid production by microalgae Chlorella pyrenoidosa cultivated in palm oil mill effluent (POME) using hybrid photo bioreactor (HPBR). *Desalination and Water Treatment*, **2015**, 55, 3737-3749		18
38	Application of Proteus mirabilis and Proteus vulgaris mixture to design self-healing concrete. *Desalination and Water Treatment*, **2014**, 52, 3623-3630		18
37	Removal of formaldehyde from polluted air in a biotrickling filter reactor. *Desalination and Water Treatment*, **2014**, 52, 3663-3671		13
36	An Automatic Project Progress Monitoring Model by Integrating Auto CAD and Digital Photos **2005**, 1		13
35	Automated tool for predicting duration of construction activities in tropical countries. *KSCE Journal of Civil Engineering*, **2016**, 20, 12-22	1.9	12
34	Formaldehyde removal mechanisms in a biotrickling filter reactor. *Ecological Engineering*, **2016**, 90, 77-81	3.9	12
33	Evaluation of gas retention time effects on the bio-trickling filter reactor performance for treating air contaminated with formaldehyde. *RSC Advances*, **2013**, 3, 17462	3.7	12
32	Ripping Production Prediction in Different Weathering Zones According to Field Data. *Geotechnical and Geological Engineering*, **2017**, 35, 2381-2399	1.5	11
31	Post-Pareto optimality approach to enhance budget allocation process for bridge rehabilitation management. *Structure and Infrastructure Engineering*, **2015**, 11, 1565-1582	2.9	11
30	An Integrated Carbon Accounting and Mitigation Framework for Greening the Industry. *Energy Procedia*, **2015**, 75, 2993-2998	2.3	11

29	Grounded Group Decision Making (GGDM) Model. *Advanced Science Letters*, **2013**, 19, 3077-3080	0.1	11
28	Methods for adaptive behaviors satisfaction assessment with energy efficient building design. *Renewable and Sustainable Energy Reviews*, **2016**, 57, 250-259	16.2	10
27	Durability improvement assessment in different high strength bacterial structural concrete grades against different types of acids. *Sadhana - Academy Proceedings in Engineering Sciences*, **2014**, 39, 1509-1522	1	8
26	Constructability improvement in seawater intake structure. *Engineering, Construction and Architectural Management*, **2011**, 18, 595-608	3.1	8
25	Bio-composite materials potential in enhancing sustainable construction. *Desalination and Water Treatment*, **2014**, 52, 3631-3636		7
24	Correlation Study on User Satisfaction from Adaptive Behavior and Energy Consumption in Office Buildings. *Jurnal Teknologi (Sciences and Engineering)*, **2014**, 70,	1.2	7
23	Open Plan Office Design Features Affecting Staffs Health and Well-being Status. *Jurnal Teknologi (Sciences and Engineering)*, **2014**, 70,	1.2	7
22	LONG TERM STUDIES ON COMPRESSIVE STRENGTH OF HIGH VOLUME NANO PALM OIL FUEL ASH MORTAR MIXES. *Jurnal Teknologi (Sciences and Engineering)*, **2015**, 77,	1.2	6
21	Application of a grounded group decision-making (GGDM) model: a case of micro-organism optimal inoculation method in biological self-healing concrete. *Desalination and Water Treatment*, **2014**, 52, 3594-3599		6
20	A systematic procedure for developing the 3D model to evaluate the construction project progress. *Construction Innovation*, **2007**, 7, 187-199	4.1	6
19	The Path Walkability Index (PAWDEX) Model: To Measure Built Environment Variables Influencing Residents' Walking Behavior. *Advanced Science Letters*, **2013**, 19, 3017-3020	0.1	6
18	Lab-scale optimization of propylene glycol removal from synthetic wastewater using activated sludge reactor. *Desalination and Water Treatment*, **2014**, 52, 3585-3593		5
17	CAUSES OF VARIATION ORDER IN BUILDING AND CIVIL ENGINEERING PROJECTSIN NIGERIA. *Jurnal Teknologi (Sciences and Engineering)*, **2015**, 77,	1.2	4
16	ASSESSMENT INDEX TOOL FOR GREEN HIGHWAY IN MALAYSIA. *Jurnal Teknologi (Sciences and Engineering)*, **2015**, 77,	1.2	3
15	Pavement Material and Technology Elements in Green Highway Rating Systems-A Conspectus. *Jurnal Teknologi (Sciences and Engineering)*, **2014**, 70,	1.2	3
14	Daylight Factor for Energy Saving in Retrofitting Institutional Building. *Advanced Materials Research*, **2013**, 724-725, 1630-1635	0.5	3
13	Buildability problems in the Malaysian building construction **2011**,		3
12	Energy Efficiency Criteria for Green Highways in Malaysia. *Jurnal Teknologi (Sciences and Engineering)*, **2013**, 65,	1.2	3

List of Publications

No.	Publication		
11	Construction Information Systems for Executive Management in Monitoring Work Progress. *Advanced Science Letters*, **2012**, 15, 169-171	0.1	3
10	Application of the Path Walkability Index (Pawdex) Model: A Case Study of Retail Walking Pattern Recognition in Taman University Skudai, Johor, Malaysia. *Advanced Science Letters*, **2013**, 19, 3021-3024	0.1	3
9	Assessment of Cost Escalation factors for Building and Civil Engineering Projects in Nigerian Construction Industry: a Multiple Regression Approach. *Jurnal Teknologi (Sciences and Engineering)*, **2015**, 74,	1.2	2
8	CONTRACTOR SELECTION AT PREQUALIFICATION STAGE: CURRENT EVALUATION AND SHORTCOMINGS. *Jurnal Teknologi (Sciences and Engineering)*, **2015**, 77,	1.2	2
7	PERFORMANCE OF EPOXY RESIN AS SELF-HEALING AGENT. *Jurnal Teknologi (Sciences and Engineering)*, **2015**, 77,	1.2	1
6	Modeling the Potential Risk of Building Vulnerability towards Tsunami Hazard in Ulak Karang and Pasir Jambak Sub-District, Padang. *Jurnal Teknologi (Sciences and Engineering)*, **2015**, 72,	1.2	1
5	Embodied Energy in Building Construction. *Jurnal Teknologi (Sciences and Engineering)*, **2014**, 70,	1.2	1
4	Fundamental Elements of Malaysia Green Highway. *Applied Mechanics and Materials*, **2013**, 284-287, 1194-1197	0.3	1
3	Potential of Solar Farm Development at UTM Campus for Generating Green Energy. *Applied Mechanics and Materials*, **2013**, 479-480, 553-558	0.3	0
2	Adapted Grounded Group Decision Making Model. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, **2015**, 85, 319-327	0.9	
1	Developing an Executive Information Site Monitoring System. *Advanced Materials Research*, **2012**, 446-449, 1002-1005	0.5	