

# Muhd Zaimi Abd Majid

## 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.

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	Airblast prediction through a hybrid genetic algorithm-ANN model. <i>Neural Computing and Applications</i> , <b>2018</b> , 29, 619-629	4.8	108
63	Intelligent modelling of sandstone deformation behaviour using fuzzy logic and neural network systems. <i>Bulletin of Engineering Geology and the Environment</i> , <b>2018</b> , 77, 345-361	4	45
62	Application of PSO to develop a powerful equation for prediction of flyrock due to blasting. <i>Neural Computing and Applications</i> , <b>2017</b> , 28, 1043-1050	4.8	118
61	An optimized ANN model based on genetic algorithm for predicting ripping production. <i>Neural Computing and Applications</i> , <b>2017</b> , 28, 393-406	4.8	63
60	Classification and regression tree technique in estimating peak particle velocity caused by blasting. <i>Engineering With Computers</i> , <b>2017</b> , 33, 45-53	4.5	50
59	A Monte Carlo technique in safety assessment of slope under seismic condition. <i>Engineering With Computers</i> , <b>2017</b> , 33, 807-817	4.5	48
58	Ripping Production Prediction in Different Weathering Zones According to Field Data. <i>Geotechnical and Geological Engineering</i> , <b>2017</b> , 35, 2381-2399	1.5	11
57	A hybrid artificial bee colony algorithm-artificial neural network for forecasting the blast-produced ground vibration. <i>Engineering With Computers</i> , <b>2017</b> , 33, 689-700	4.5	99
56	Automated tool for predicting duration of construction activities in tropical countries. <i>KSCE Journal of Civil Engineering</i> , <b>2016</b> , 20, 12-22	1.9	12
55	Optimum lipid production using agro-industrial wastewater treated microalgae as biofuel substrate. <i>Clean Technologies and Environmental Policy</i> , <b>2016</b> , 18, 2513-2523	4.3	27
54	Formaldehyde removal mechanisms in a biotrickling filter reactor. <i>Ecological Engineering</i> , <b>2016</b> , 90, 77-81	3.9	12
53	Methods for adaptive behaviors satisfaction assessment with energy efficient building design. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 57, 250-259	16.2	10
52	Isolation and screening of microalgae from agro-industrial wastewater (POME) for biomass and biodiesel sources. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 29118-29125		26
51	Tests and methods of evaluating the self-healing efficiency of concrete: A review. <i>Construction and Building Materials</i> , <b>2016</b> , 112, 1123-1132	6.7	127
50	Efficiency of barium removal from radioactive waste water using the combination of maghemite and titania nanoparticles in PVA and alginate beads. <i>Applied Radiation and Isotopes</i> , <b>2015</b> , 105, 105-113	1.7	28
49	A knowledge-based expert system for assessing the performance level of green buildings. <i>Knowledge-Based Systems</i> , <b>2015</b> , 86, 194-209	7.3	57
48	Contractor management performance evaluation model at prequalification stage. <i>Expert Systems With Applications</i> , <b>2015</b> , 42, 5087-5101	7.8	27

47	Post-Pareto optimality approach to enhance budget allocation process for bridge rehabilitation management. <i>Structure and Infrastructure Engineering</i> , <b>2015</b> , 11, 1565-1582	2.9	11
46	An Integrated Carbon Accounting and Mitigation Framework for Greening the Industry. <i>Energy Procedia</i> , <b>2015</b> , 75, 2993-2998	2.3	11
45	Efficiency of Microalgae <i>Chlamydomonas</i> on the Removal of Pollutants from Palm Oil Mill Effluent (POME). <i>Energy Procedia</i> , <b>2015</b> , 75, 2400-2408	2.3	69
44	MCPCM: A DEMATEL-ANP-Based Multi-criteria Decision-Making Approach to Evaluate the Critical Success Factors in Construction Projects. <i>Arabian Journal for Science and Engineering</i> , <b>2015</b> , 40, 343-361		27
43	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). <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 43, 843-862	16.2	880
42	Lipid production by microalgae <i>Chlorella pyrenoidosa</i> cultivated in palm oil mill effluent (POME) using hybrid photo bioreactor (HPBR). <i>Desalination and Water Treatment</i> , <b>2015</b> , 55, 3737-3749		18
41	CAUSES OF VARIATION ORDER IN BUILDING AND CIVIL ENGINEERING PROJECTS IN NIGERIA. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2015</b> , 77,	1.2	4
40	Assessment of Cost Escalation factors for Building and Civil Engineering Projects in Nigerian Construction Industry: a Multiple Regression Approach. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2015</b> , 74,	1.2	2
39	ASSESSMENT INDEX TOOL FOR GREEN HIGHWAY IN MALAYSIA. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2015</b> , 77,	1.2	3
38	PERFORMANCE OF EPOXY RESIN AS SELF-HEALING AGENT. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2015</b> , 77,	1.2	1
37	Modeling the Potential Risk of Building Vulnerability towards Tsunami Hazard in Ulak Karang and Pasir Jambak Sub-District, Padang. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2015</b> , 72,	1.2	1
36	CONTRACTOR SELECTION AT PREQUALIFICATION STAGE: CURRENT EVALUATION AND SHORTCOMINGS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2015</b> , 77,	1.2	2
35	LONG TERM STUDIES ON COMPRESSIVE STRENGTH OF HIGH VOLUME NANO PALM OIL FUEL ASH MORTAR MIXES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2015</b> , 77,	1.2	6
34	Adapted Grounded Group Decision Making Model. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , <b>2015</b> , 85, 319-327	0.9	
33	Waterproof performance of concrete: A critical review on implemented approaches. <i>Construction and Building Materials</i> , <b>2015</b> , 101, 80-90	6.7	80
32	A multi-criteria analysis for bridge sustainability assessment: a case study of Penang Second Bridge, Malaysia. <i>Structure and Infrastructure Engineering</i> , <b>2015</b> , 11, 638-654	2.9	19
31	Green <i>Bambusa Arundinacea</i> leaves extract as a sustainable corrosion inhibitor in steel reinforced concrete. <i>Journal of Cleaner Production</i> , <b>2014</b> , 67, 139-146	10.3	87
30	Bio-composite materials potential in enhancing sustainable construction. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 3631-3636		7

29	Removal of formaldehyde from polluted air in a biotrickling filter reactor. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 3663-3671		13
28	Critical Criteria on Client and Customer Satisfaction for the Issue of Performance Measurement. <i>Journal of Management in Engineering - ASCE</i> , <b>2014</b> , 30, 10-18	5.3	25
27	User satisfaction adaptive behaviors for assessing energy efficient building indoor cooling and lighting environment. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 39, 277-295	16.2	49
26	Biofiltration process as an ideal approach to remove pollutants from polluted air. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 3600-3615		22
25	Correlation Study on User Satisfaction from Adaptive Behavior and Energy Consumption in Office Buildings. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2014</b> , 70,	1.2	7
24	Building Energy Consumption in Malaysia: An Overview. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2014</b> , 70,	1.2	26
23	Open Plan Office Design Features Affecting Staff's Health and Well-being Status. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2014</b> , 70,	1.2	7
22	Embodied Energy in Building Construction. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2014</b> , 70,	1.2	1
21	Pavement Material and Technology Elements in Green Highway Rating Systems-A Conspectus. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2014</b> , 70,	1.2	3
20	Durability improvement assessment in different high strength bacterial structural concrete grades against different types of acids. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2014</b> , 39, 1509-1522	1	8
19	Application of <i>Proteus mirabilis</i> and <i>Proteus vulgaris</i> mixture to design self-healing concrete. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 3623-3630		18
18	Application of a grounded group decision-making (GGDM) model: a case of micro-organism optimal inoculation method in biological self-healing concrete. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 3594-3599		6
17	Lab-scale optimization of propylene glycol removal from synthetic wastewater using activated sludge reactor. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 3585-3593		5
16	Iran's achievements in renewable energy during fourth development program in comparison with global trend. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 22, 561-570	16.2	47
15	Potential of Solar Farm Development at UTM Campus for Generating Green Energy. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 479-480, 553-558	0.3	0
14	Evaluation of gas retention time effects on the bio-trickling filter reactor performance for treating air contaminated with formaldehyde. <i>RSC Advances</i> , <b>2013</b> , 3, 17462	3.7	12
13	Fundamental Elements of Malaysia Green Highway. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 284-287, 1194-1197	3	1
12	Daylight Factor for Energy Saving in Retrofitting Institutional Building. <i>Advanced Materials Research</i> , <b>2013</b> , 724-725, 1630-1635	0.5	3

11	Energy Efficiency Criteria for Green Highways in Malaysia. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2013</b> , 65,	1.2	3
10	Grounded Group Decision Making (GGDM) Model. <i>Advanced Science Letters</i> , <b>2013</b> , 19, 3077-3080	0.1	11
9	The Path Walkability Index (PAWDEX) Model: To Measure Built Environment Variables Influencing Residents' Walking Behavior. <i>Advanced Science Letters</i> , <b>2013</b> , 19, 3017-3020	0.1	6
8	Application of the Path Walkability Index (Pawdex) Model: A Case Study of Retail Walking Pattern Recognition in Taman University Skudai, Johor, Malaysia. <i>Advanced Science Letters</i> , <b>2013</b> , 19, 3021-3024	0.1	3
7	Developing an Executive Information Site Monitoring System. <i>Advanced Materials Research</i> , <b>2012</b> , 446-449, 1002-1005	0.5	
6	Construction Information Systems for Executive Management in Monitoring Work Progress. <i>Advanced Science Letters</i> , <b>2012</b> , 15, 169-171	0.1	3
5	Buildability problems in the Malaysian building construction <b>2011</b> ,		3
4	Constructability improvement in seawater intake structure. <i>Engineering, Construction and Architectural Management</i> , <b>2011</b> , 18, 595-608	3.1	8
3	A systematic procedure for developing the 3D model to evaluate the construction project progress. <i>Construction Innovation</i> , <b>2007</b> , 7, 187-199	4.1	6
2	An Automatic Project Progress Monitoring Model by Integrating Auto CAD and Digital Photos <b>2005</b> , 1		13
1	Factors of Non-Excusable Delays That Influence Contractors' Performance. <i>Journal of Management in Engineering - ASCE</i> , <b>1998</b> , 14, 42-49	5.3	85