

M S Liew

List of Publications by Year in descending order

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147
papers

2,157
citations

201385

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149
all docs

149
docs citations

149
times ranked

1311
citing authors

#	ARTICLE	IF	CITATIONS
1	A Bibliometric Analysis and Review of Building Information Modelling for Post-Disaster Reconstruction. Sustainability, 2022, 14, 393.	1.6	30
2	Effects of Graphene Oxide and Crumb Rubber on the Fresh Properties of Self-Compacting Engineered Cementitious Composite Using Response Surface Methodology. Materials, 2022, 15, 2519.	1.3	12
3	Mechanical, Microstructural and Drying Shrinkage Properties of NaOH-Pretreated Crumb Rubber Concrete: RSM-Based Modeling and Optimization. Materials, 2022, 15, 2588.	1.3	8
4	Development and Integration of Metocean Data Interoperability for Intelligent Operations and Automation Using Machine Learning: A Review. Applied Sciences (Switzerland), 2022, 12, 5690.	1.3	3
5	Impact of inflation rate on construction projects budget: A review. Ain Shams Engineering Journal, 2021, 12, 407-414.	3.5	62
6	Deformation Properties of Rubberized Engineered Cementitious Composites Using Response Surface Methodology. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 729-740.	1.0	18
7	Ground Response Analysis for Stiff and Soft Soil Under Different Earthquake Events: A Comparison. Lecture Notes in Civil Engineering, 2021, , 891-898.	0.3	0
8	The Effect of Inflation Rate on CO2 Emission: A Framework for Malaysian Construction Industry. Sustainability, 2021, 13, 1562.	1.6	30
9	Utilization of Crumb Rubber and High-Volume Fly Ash in Concrete for Environmental Sustainability: RSM-Based Modeling and Optimization. Materials, 2021, 14, 3322.	1.3	20
10	Life Cycle Cost Assessment of Offshore Wind Farm: Kudat Malaysia Case. Sustainability, 2021, 13, 7943.	1.6	10
11	Mechanical Properties of Crumb Rubber Mortar Containing Nano-Silica Using Response Surface Methodology. Materials, 2021, 14, 5496.	1.3	12
12	Delay and Cost Overrun of Palm Oil Refinery Construction Projects: Artificial Neural Network (ANN) Model. Lecture Notes in Civil Engineering, 2021, , 580-589.	0.3	1
13	Structural Quality of Graphene Oxide Nanosheets on the Basis of Defect Ratio: A Raman Study. Lecture Notes in Mechanical Engineering, 2021, , 423-439.	0.3	3
14	Thin-Walled Cylindrical Shell Storage Tank under Blast Impacts: Finite Element Analysis. Materials, 2021, 14, 7100.	1.3	4
15	Current State of Post-Disaster Reconstruction Projects: A Bibliometric Analysis. , 2021, , .		8
16	Durability performance of high volume fly ash roller compacted concrete pavement containing crumb rubber and nano silica. International Journal of Pavement Engineering, 2020, 21, 1437-1444.	2.2	22
17	Industrial Revolution 4.0 in the construction industry: Challenges and opportunities for stakeholders. Ain Shams Engineering Journal, 2020, 11, 225-230.	3.5	192
18	Development of response surface models for self-compacting hybrid fibre reinforced rubberized cementitious composite. Construction and Building Materials, 2020, 232, 117191.	3.2	34

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19	Bond behaviour of CFRP-strengthened ECC using Response Surface Methodology (RSM). Case Studies in Construction Materials, 2020, 12, e00327.	0.8	21
20	Experimental study on axial compressive behavior of rubberized interlocking masonry walls. Journal of Building Engineering, 2020, 29, 101107.	1.6	26
21	A Comprehensive Guide to Different Fracturing Technologies: A Review. Energies, 2020, 13, 3326.	1.6	32
22	Deformation Properties of Rubberized ECC Incorporating Nano Graphene Using Response Surface Methodology. Materials, 2020, 13, 2831.	1.3	28
23	Acid and Sulphate Attacks on a Rubberized Engineered Cementitious Composite Containing Graphene Oxide. Materials, 2020, 13, 3125.	1.3	36
24	Effect of Elevated Temperature on the Compressive Strength and Durability Properties of Crumb Rubber Engineered Cementitious Composite. Materials, 2020, 13, 3516.	1.3	31
25	Downtime cost analysis of offloading operations due to influence of partially standing waves in Malaysian waters and development of graphical user interface. Annals of Operations Research, 2020, , 1.	2.6	1
26	Development of Downtime Cost Calculator for Offloading Operations Influenced by Parametric Rolling. Journal of Marine Science and Engineering, 2020, 8, 7.	1.2	1
27	Investigation of Fibers Reinforced Engineered Cementitious Composites Properties Using Quartz Powder. Materials, 2020, 13, 2428.	1.3	9
28	Strengthening the Structural Behavior of Web Openings in RC Deep Beam Using CFRP. Materials, 2020, 13, 2804.	1.3	34
29	Effect of paste aggregate ratio and curing methods on the performance of one-part alkali-activated concrete. Construction and Building Materials, 2020, 261, 120024.	3.2	40
30	Characteristic compressive strength correlation of rubberized concrete interlocking masonry wall. Structures, 2020, 26, 169-184.	1.7	39
31	Influential Safety Performance and Assessment in Construction Projects: A Review. Lecture Notes in Civil Engineering, 2020, , 719-728.	0.3	12
32	Investigating the impact of inflation on building materials prices in construction industry. Journal of Building Engineering, 2020, 32, 101485.	1.6	41
33	Experimental evaluation of force analogy method (FAM) by element type. Earthquake Engineering and Engineering Vibration, 2020, 19, 137-147.	1.1	0
34	Total Quality Management Practices and Adoption in Construction Industry Organizations: A Review. , 2020, , .		4
35	Nonlinear System Identification of Structures Subject to Stochastic Loadings. IOP Conference Series: Earth and Environmental Science, 2019, 244, 012029.	0.2	0
36	A Systematic Approach to Embodied Carbon Reduction in Buildings. IOP Conference Series: Earth and Environmental Science, 2019, 220, 012055.	0.2	1

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37	Numerical modelling of free energy for methanol and water mixtures for biodiesel production. Fuel, 2019, 255, 115781.	3.4	1
38	Bond behaviour of nano-silica-modified self-compacting engineered cementitious composite using response surface methodology. Construction and Building Materials, 2019, 224, 796-814.	3.2	37
39	Optimization and characterization of cast in-situ alkali-activated pastes by response surface methodology. Construction and Building Materials, 2019, 225, 776-787.	3.2	65
40	Below-Grade Sulfur Storage Pits in Oil Refineries: A Review. Journal of Failure Analysis and Prevention, 2019, 19, 1745-1760.	0.5	4
41	Mechanical and microstructural properties of high calcium fly ash one-part geopolymer cement made with granular activator. Heliyon, 2019, 5, e02255.	1.4	65
42	Structural Performance of RC and R-ECC Dapped-End Beams Based on the Role of Hanger or Diagonal Reinforcements Combined by ECC. International Journal of Concrete Structures and Materials, 2019, 13, .	1.4	16
43	Forensic investigation of a slender high-rise structure subject to dynamic wind conditions. IOP Conference Series: Earth and Environmental Science, 2019, 244, 012020.	0.2	0
44	Evaluating the impact resistance of roller compacted concrete containing crumb rubber and nanosilica using response surface methodology and Weibull distribution. World Journal of Engineering, 2019, 16, 33-43.	1.0	18
45	Building life cycle analysis toward low carbon emission and energy efficiency. IOP Conference Series: Earth and Environmental Science, 2019, 220, 012054.	0.2	0
46	Effects of elevated temperature on the tensile properties of NS-modified self-consolidating engineered cementitious composites and property optimization using response surface methodology (RSM). Construction and Building Materials, 2019, 206, 449-469.	3.2	39
47	Reconstruction of residential buildings post-disaster: A comparison of influencing factors. AIP Conference Proceedings, 2019, , .	0.3	7
48	Downtime Cost Analysis of Offloading Operations Considering Vessel Motions and Mooring Responses in Malaysian Waters. , 2019, , .		1
49	Incorporation of waste materials in the manufacture of masonry bricks: An update review. Journal of Building Engineering, 2019, 21, 37-54.	1.6	163
50	Mechanical properties and performance of high volume fly ash roller compacted concrete containing crumb rubber and nano silica. Construction and Building Materials, 2018, 171, 521-538.	3.2	112
51	Evaluation of Failure Capacity of Offshore Riser Protectors Under Vessel Impact. Journal of Failure Analysis and Prevention, 2018, 18, 280-290.	0.5	0
52	Hydrodynamic Study of Free Standing Drilling Risers under Typhoon Generated Swell. , 2018, , .		4
53	Development of rubberized geopolymer interlocking bricks. Case Studies in Construction Materials, 2018, 8, 401-408.	0.8	47
54	Properties of nano-silica modified pervious concrete. Case Studies in Construction Materials, 2018, 8, 409-422.	0.8	49

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55	Evaluating the effect of crumb rubber and nano silica on the properties of high volume fly ash roller compacted concrete pavement using non-destructive techniques. Case Studies in Construction Materials, 2018, 8, 380-391.	0.8	34
56	Effect of crumb rubber and nano silica on the fatigue performance of roller compacted concrete pavement. Cogent Engineering, 2018, 5, 1436027.	1.1	25
57	Skid Resistance of nano silica modified roller compacted rubbercrete for pavement applications: Experimental methods and response surface methodology. Cogent Engineering, 2018, 5, 1452664.	1.1	18
58	Deformation and Heat Transfer on Three Sides Protected Beams under Fire Accident. IOP Conference Series: Earth and Environmental Science, 2018, 140, 012122.	0.2	2
59	An evaluation of the outcomes probabilities of roadway bridge defect model using Event Tree method. AIP Conference Proceedings, 2018, , .	0.3	0
60	Determination of Shear Wave Velocity in Offshore Terengganu for Ground Response Analysis. IOP Conference Series: Earth and Environmental Science, 2018, 140, 012069.	0.2	1
61	An Artificial neural networks (ANN) model for evaluating construction project performance based on coordination factors. Cogent Engineering, 2018, 5, 1507657.	1.1	35
62	Optimization of hybrid fibres in engineered cementitious composites. Construction and Building Materials, 2018, 190, 24-37.	3.2	61
63	The influence of high temperature on microstructural damage and residual properties of nano-silica-modified (NS-modified) self-consolidating engineering cementitious composites (SC-ECC) using response surface methodology (RSM). Construction and Building Materials, 2018, 192, 450-466.	3.2	38
64	A Proposed Methodology for Integrating Oil and Gas Data Using Semantic Big Data Technology. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 30-38.	0.5	1
65	Study of Mechanical Behavior of Free Standing Drilling Riser Under Extreme Weather Conditions. Advanced Science Letters, 2018, 24, 8885-8889.	0.2	1
66	EVALUATING THE STATIC AND DYNAMIC MODULUS OF ELASTICITY OF ROLLER COMPACTED RUBBERCRETE USING RESPONSE SURFACE METHODOLOGY. International Journal of GEOMATE, 2018, 14, .	0.1	8
67	EFFECT OF CRUMB RUBBER AND NANO SILICA ON THE CREEP AND DRYING SHRINKAGE OF ROLLER COMPACTED CONCRETE PAVEMENT. International Journal of GEOMATE, 2018, 15, .	0.1	15
68	The Effect of Element Types on Force Analogy Method Analysis. Journal of Engineering and Technological Sciences, 2018, 49, 785.	0.3	5
69	A Novel Algorithm for Effective Vibration Control of Portal Frames. Journal of Engineering and Technological Sciences, 2018, 50, 315-329.	0.3	0
70	Hydrocarbon Fire and Explosion's Safety Aspects to Avoid Accident Escalation for Offshore Platform. , 2017, , 801-808.		3
71	Impact of the Overloading of Heavy Goods Vehicles on the Fatigue Life of Steel Bridges. , 2017, , .		0
72	An expert knowledge based decommissioning alternative selection system for fixed oil and gas assets in the South China Sea. Ocean Engineering, 2017, 130, 645-658.	1.9	24

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73	Recent developments in machine learning applications in landslide susceptibility mapping. AIP Conference Proceedings, 2017, , .	0.3	5
74	Tsunami simulation due to seaquake at Manila Trench and Sulu Trench. Natural Hazards, 2017, 85, 1723-1741.	1.6	10
75	Numerical wave tank modelling of regular waves propagation using OpenFOAM. , 2017, , .		3
76	Ground Motion Prediction Equations for Malaysia Due to Subduction Zone Earthquakes in Sumatran Region. IEEE Access, 2017, 5, 23920-23937.	2.6	1
77	Communication, coordination and cooperation in construction projects: business environment and human behaviours. IOP Conference Series: Materials Science and Engineering, 2017, 291, 012003.	0.3	8
78	Heave motion prediction of a large barge in random seas by using artificial neural network. AIP Conference Proceedings, 2017, , .	0.3	0
79	Hazard Assessment Studies on Hydrocarbon Fire and Blast: An Overview. Advanced Science Letters, 2017, 23, 1243-1247.	0.2	9
80	Effect of Synthesized Biopolymer from Coconut Residue as Drag Reducing Agent in Water Injection Well. , 2017, , 721-732.		0
81	Implementation of Attenuation Equations for Seismic Hazard Assessment in Malaysian Water. Advanced Science Letters, 2017, 23, 1361-1365.	0.2	0
82	Identification of coordination factors affecting building projects performance. AEJ - Alexandria Engineering Journal, 2016, 55, 2689-2698.	3.4	76
83	Structural Reliability Analysis Using Quadratic Polynomial Response Surface and Finite Element in MATLAB. , 2016, , .		0
84	A Framework for Coordination Process into Construction Projects. MATEC Web of Conferences, 2016, 66, 00079.	0.1	15
85	Development of jacket platform tsunami risk rating system in waters offshore North Borneo. Journal of Marine Science and Application, 2016, 15, 307-320.	0.7	1
86	Identification of transfer functions from surge motion response of a semisubmersible platform using time-varying NARX model. Applied Ocean Research, 2016, 54, 53-66.	1.8	5
87	Application of response surface methodology for the optimization of hexavalent chromium removal using a new low-cost adsorbent. Desalination and Water Treatment, 2016, 57, 22507-22518.	1.0	3
88	Web Intelligence. , 2016, , 711-733.		1
89	Component Reliability Assessment of Offshore Jacket Platforms. Research Journal of Applied Sciences, Engineering and Technology, 2015, 9, 1-10.	0.1	1
90	An Experimental Investigation of the Responses of Classic Spar Platform Subjected to Bi-directional Waves. Research Journal of Applied Sciences, Engineering and Technology, 2015, 9, 11-17.	0.1	0

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91	Shear Failure of RC Dapped-End Beams. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-11.	1.0	33
92	The characteristics of coordination process in construction projects. , 2015, , .		10
93	Improving the modeling capacity of Volterra model using evolutionary computing methods based on Kalman smoother adaptive filter. <i>Applied Soft Computing Journal</i> , 2015, 35, 695-707.	4.1	16
94	Identification of slow drift motions of a truss spar platform using parametric Volterra model. <i>Ocean Engineering</i> , 2015, 109, 654-668.	1.9	3
95	Web Intelligence. <i>Advances in Data Mining and Database Management Book Series</i> , 2015, , 83-104.	0.4	3
96	Fatigue performance of deepwater SCR under short-term VIV considering various S-N curves. <i>Structural Engineering and Mechanics</i> , 2015, 53, 881-896.	1.0	1
97	Nonlinear System Identification via Basis Functions Based Time Domain Volterra Model. <i>MATEC Web of Conferences</i> , 2014, 13, 02031.	0.1	0
98	Smart and Robust Composite Tube Columns Frames for Offshore Sub-Structure Construction. <i>Advanced Materials Research</i> , 2014, 983, 11-15.	0.3	0
99	Comparison of Classical Tsunami Resistance Systems in RC Structure. <i>Advances in Structural Engineering</i> , 2014, 17, 157-163.	1.2	0
100	Determination of environmental load factors for ISO 19902 code in offshore Malaysia using FORM structural reliability method. <i>Ocean Engineering</i> , 2014, 92, 31-43.	1.9	6
101	Investigating the Awareness of Onsite Mechanization in Malaysian Construction Industry. <i>Procedia Engineering</i> , 2014, 77, 205-212.	1.2	11
102	Criteria for the selection of sustainable onsite construction equipment. <i>International Journal of Sustainable Built Environment</i> , 2014, 3, 96-110.	3.2	92
103	MetOcean data to linked data. , 2014, , .		1
104	Time-Dependent Ultimate Strength Performance of Corroded FPSOs. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 7673-7690.	1.1	11
105	A Composite Steel Plate Shear Walls for Offshore Constructions. <i>MATEC Web of Conferences</i> , 2014, 13, 04015.	0.1	2
106	Environmental implications of onsite mechanization in the Malaysian construction industry. , 2014, , .		4
107	A study on motion responses of classic spar platforms subjected to short crested waves. , 2013, , .		0
108	Bayesian updating for probability of failure of jacket platforms in Malaysia. , 2013, , .		1

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109	System Identification of a Six-Legged Semisubmersible Subjected to Wave Loads through Frequency Domain Analysis. Applied Mechanics and Materials, 2013, 373-375, 770-784.	0.2	0
110	Performance of Simplified Damage Assessment Tools for Reinforced Concrete Panels under Blast Loading. Key Engineering Materials, 2013, 594-595, 492-497.	0.4	0
111	Engineering the civil engineering education: A capstone case study in a Malaysian university. , 2013, , .		1
112	Marine corrosion of mild steel at Lumut, Perak. , 2012, , .		0
113	Dynamic responses of classic spar platforms subjected to long crested waves: Morison equation vs. Diffraction theory. , 2012, , .		3
114	Post-processor program for ISO-19902 tubular joints design. , 2012, , .		0
115	Decommissioning of offshore platform: A sustainable framework. , 2012, , .		25
116	Numerical investigation on dynamic responses of classic spar platforms: Long crested waves vs. short crested waves. , 2012, , .		3
117	Experimental investigation on dynamic responses of spar platforms subjected to multi-directional waves. , 2012, , .		1
118	Truss spar platform motions for combined wave, current and wind forces. , 2012, , .		0
119	Use of optical tracking system for measurement of dynamic model responses in a wave tank. , 2012, , .		0
120	Dynamic responses of spar acted upon by random wave and current. , 2012, , .		0
121	Statistical modelling of environmental load uncertainty for jacket platforms in Malaysia. , 2012, , .		2
122	Time-varying Spectrum Estimation of Offshore Structure Response based on a Time-varying Autoregressive Model. Journal of Applied Sciences, 2012, 12, 2383-2389.	0.1	3
123	Completeness Knowledge Representation in Fuzzy Description Logics. Communications in Computer and Information Science, 2012, , 164-173.	0.4	2
124	Fiber resin matrix composites: nature's gift. WIT Transactions on Ecology and the Environment, 2011, , .	0.0	1
125	The effects of partial replacement of cement in cement mortar and brick by Microwave Incinerated Rice Husk Ash (MIRHA). WIT Transactions on Ecology and the Environment, 2011, , .	0.0	0
126	Mastery Learning Assessment Model (MLAM) in Teaching and Learning Mathematics. Procedia, Social and Behavioral Sciences, 2010, 8, 294-298.	0.5	13

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127	High Quality Solid Biofuel Briquette Production From Palm Oil Milling Solid Wastes. , 2009, , ,		2
128	Nonlinear System Identification of Floating Structures Using Time-Varying ARX-Based Volterra Model. Applied Mechanics and Materials, 0, 465-466, 3-7.	0.2	0
129	Development of Platform Selection Tool for Offshore Decommissioning in Malaysia. Applied Mechanics and Materials, 0, 567, 222-227.	0.2	2
130	Research on HGV Collisions with Concrete Bridge Piers. Applied Mechanics and Materials, 0, 567, 648-653.	0.2	2
131	Extreme Value Analysis and Joint Densities of Wind Directionality, Wind Speed and Wave Height for Malaysian Waters. Advanced Materials Research, 0, 935, 159-162.	0.3	0
132	System Reliability of Existing Jacket Platform in Malaysian Water (Failure Path and System Reliability) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	4
133	Prediction of Surge Motion Response of Floating Structure Using Kalman Smoother Adaptive Filters Based Time-Domain Volterra Model. Applied Mechanics and Materials, 0, 660, 799-803.	0.2	0
134	A Study on the Structural Failure Mechanism and Reserve Strength Ratio of Tarpon Monopods. Applied Mechanics and Materials, 0, 567, 191-196.	0.2	1
135	Dynamic Responses of Classic Spar Platform: Short Crested Waves vs. Long Crested Waves. Applied Mechanics and Materials, 0, 567, 235-240.	0.2	2
136	Effects of Marine Growth on Hydrodynamic Coefficients of Rigid Tubular Cylinders. Applied Mechanics and Materials, 0, 567, 247-252.	0.2	3
137	Reliability Assessment Model for Aging Jacket Structures in Malaysian Waters. Applied Mechanics and Materials, 0, 567, 283-288.	0.2	2
138	Response of Monopod Platform under Extreme Wave in Malaysian Water. Applied Mechanics and Materials, 0, 567, 295-300.	0.2	2
139	Single-Degree-of-Freedom Based Pressure-Impulse Diagrams for Blast Damage Assessment. Applied Mechanics and Materials, 0, 567, 499-504.	0.2	9
140	Service and Construction Sector of Malaysia: Causality Link (1991-2013). Applied Mechanics and Materials, 0, 567, 619-624.	0.2	0
141	Structural Response of Offshore Blast Walls under Accidental Explosion. Advanced Materials Research, 0, 1043, 278-282.	0.3	4
142	Hydrodynamic Forces on Linear and Multi-Dimensional Arrays of Circular Cylinders. Applied Mechanics and Materials, 0, 567, 259-264.	0.2	0
143	Effect of Anodes on Hydrodynamic Coefficients of Tubular Cylinders - Model Tests. Applied Mechanics and Materials, 0, 567, 241-246.	0.2	4
144	Broadside Vessel Collision Forces for Conventional Riser-Guard. Applied Mechanics and Materials, 0, 567, 210-215.	0.2	0

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145	Multivariate Regression Analysis for Screening Process of Reliability Assessment. Applied Mechanics and Materials, 0, 567, 271-276.	0.2	1
146	Prediction of Failure Loads of RC Dapped-End Beams. Applied Mechanics and Materials, 0, 567, 463-468.	0.2	8
147	Major Challenges to the Sustainable Operations of Construction Equipment in Malaysia. Applied Mechanics and Materials, 0, 567, 589-594.	0.2	0