

Shahiron Shahidan

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.

121
papers

776
citations

14
h-index

23
g-index

129
ext. papers

970
ext. citations

0.8
avg, IF

4.36
L-index

#	Paper	IF	Citations
121	Mechanical properties of coconut shell-based concrete: experimental and optimisation modelling. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
120	Strength and Acid Resistance of Ceramic-Based Self-Compacting Alkali-Activated Concrete: Optimizing and Predicting Assessment. <i>Materials</i> , 2021 , 14,	3.5	1
119	Optimisation of GBFS, Fly Ash, and Nano-Silica Contents in Alkali-Activated Mortars. <i>Polymers</i> , 2021 , 13,	4.5	4
118	Density, Compressive Strength and Water Absorption Properties of Sand Cement Brick Containing Recycled Concrete Aggregate (RCA) and Crumb Rubber (CR) as Partial Sand Replacement Materials. <i>Lecture Notes in Civil Engineering</i> , 2021 , 211-229	0.3	
117	Relationship between Ultrasonic-Pulse Velocity and Compression Test for Different Grade of Concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 864, 012119	0.4	
116	Performance of Modified Mortar Containing Epoxy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 713, 012004	0.4	1
115	Acoustic and non-acoustic performance of coal bottom ash concrete as sound absorber for wall concrete. <i>Case Studies in Construction Materials</i> , 2020 , 13, e00399	2.7	5
114	Efficiency of Polyethylene Terephthalate (PET) Waste Fiber in Concrete Material by Means of Ultrasonic Velocity Method. <i>SSRG International Journal of Engineering Trends and Technology</i> , 2020 , 68, 18-24	1.2	2
113	Environmental Noise. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 15-24	0.4	
112	Acoustic Performance of CBA Concrete. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 33-45	0.4	
111	Coal Bottom Ash (CBA). <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 3-14	0.4	
110	Strength Properties of Untreated Coal Bottom Ash as Cement Replacement. <i>Journal of the Civil Engineering Forum</i> , 2020 , 6, 13	2.4	2
109	Thermal Conductivity of Crumb Rubber as Partial Sand Replacement and Recycled Aggregates as Partial Coarse Aggregate Replacement in Concrete. <i>Lecture Notes in Civil Engineering</i> , 2020 , 1007-1013	0.3	
108	Identifying the Crack Nature Using b-Value Acoustic Emission Signal Analysis. <i>Lecture Notes in Civil Engineering</i> , 2020 , 1065-1076	0.3	1
107	Acoustic Performance Testing of CBA Concrete. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 25-32	0.4	
106	Mechanical Properties of CBA Concrete. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 47-63	0.4	
105	Strength and Quality Assessment of Recycled Aggregate and Crumb Rubber Concrete Using the Ultra Pulse Velocity Method. <i>Lecture Notes in Civil Engineering</i> , 2020 , 799-806	0.3	1

104	Stress Intensity and Crack Pattern of Reinforced Concrete Beam Embedded With Lightning Protection Cable. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 864, 012195	0.4	
103	Establishment of Strength Prediction Equation for Concrete Containing Coal Bottom Ash Exposed to Aggressive Environment. <i>Silicon</i> , 2020 , 1	2.4	1
102	Seismic fragility assessment for moment-resisting concrete frame with setback under repeated earthquakes. <i>Asian Journal of Civil Engineering</i> , 2019 , 20, 465-477	1.5	10
101	Performances of concrete containing coal bottom ash with different fineness as a supplementary cementitious material exposed to seawater 2019 , 22, 929-938		13
100	Coal bottom ash as a sustainable supplementary cementitious material for the concrete exposed to seawater 2019 ,		2
99	Characterization of Palm Oil Fuel Ash as Cementitious Supplement: A Review. <i>ACI Materials Journal</i> , 2019 , 116,	0.9	1
98	Effects of Grinding Process on the Properties of the Coal Bottom Ash and Cement Paste. <i>Journal of Engineering and Technological Sciences</i> , 2019 , 51, 1	2.3	18
97	Performance of concrete containing mussel shell (<i>Perna viridis</i>) ash under effect of sodium chloride curing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 601, 012033	0.4	3
96	Fundamental and assessment of concrete structure monitoring by using acoustic emission technique testing: A review. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018 , 140, 012142	0.3	3
95	Self-consolidating concretes containing waste PET bottles as sand replacement 2018 ,		4
94	Splitting tensile and pullout behavior of synthetic wastes as fiber-reinforced concrete. <i>Construction and Building Materials</i> , 2018 , 171, 54-64	6.7	18
93	The mechanical properties of brick containing recycled concrete aggregate and polyethylene terephthalate waste as sand replacement. <i>E3S Web of Conferences</i> , 2018 , 34, 01001	0.5	
92	The Effect of Water Cement Ratio on Cement Brick Containing High Density Polyethylene (HDPE) as Sand Replacement. <i>MATEC Web of Conferences</i> , 2018 , 150, 03010	0.3	4
91	Performance of plastic wastes in fiber-reinforced concrete beams. <i>Construction and Building Materials</i> , 2018 , 183, 451-464	6.7	40
90	Review of coal bottom ash and coconut shell in the production of concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 342, 012032	0.4	4
89	Concrete Incorporated with Optimum Percentages of Recycled Polyethylene Terephthalate (PET) Bottle Fiber. <i>International Journal of Integrated Engineering</i> , 2018 , 10,	1.5	14
88	Laminated Veneer Lumber (LVL) Sengon: An Innovative Sustainable Building Material in Indonesia. <i>International Journal of Integrated Engineering</i> , 2018 , 10,	1.5	2
87	Evaluate the Expressions of Compression Strength and UPV Relationship. <i>International Journal of Integrated Engineering</i> , 2018 , 10,	1.5	2

86	A Review on Potential Use of Coal Bottom Ash as a Supplementary Cementing Material in Sustainable Concrete Construction. <i>International Journal of Integrated Engineering</i> , 2018 , 10,	1.5	11
85	Influence of Ground Coal Bottom Ash on the Properties of Concrete 2018 , 9,		4
84	An Utilization of Palm Fuel Ash (POFA) and Ceramic Waste as Cement Materials Replacement in Concrete Production. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 89	0.8	2
83	Performance of composite sand cement brick containing recycle concrete aggregate and waste polyethylene terephthalate with different mix design ratio. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018 , 140, 012129	0.3	2
82	Utilizing Construction and Demolition (C&D) Waste as Recycled Aggregates (RA) in Concrete. <i>Procedia Engineering</i> , 2017 , 174, 1028-1035		3 ²
81	Seismic Fragility Curves of Industrial Buildings by Using Nonlinear Analysis. <i>MATEC Web of Conferences</i> , 2017 , 103, 02017	0.3	1
80	Workability and Compressive Strength for Concrete With Coconut Shell Aggregate. <i>MATEC Web of Conferences</i> , 2017 , 87, 01017	0.3	5
79	A Comprehensive Review on the Properties of Coal Bottom Ash in Concrete as Sound Absorption Material. <i>MATEC Web of Conferences</i> , 2017 , 103, 01005	0.3	11
78	Existing Noise Level at Railway Stations in Malaysia. <i>MATEC Web of Conferences</i> , 2017 , 103, 09012	0.3	
77	Failure Behaviour of Concrete Prisms Strengthened by Various Bond Widths of Carbon Fibre Reinforced Polymer (CFRP). <i>MATEC Web of Conferences</i> , 2017 , 103, 02015	0.3	
76	Vulnerability Assessment of Building Frames Subjected to Progressive Collapse Caused by Earthquake. <i>MATEC Web of Conferences</i> , 2017 , 103, 02019	0.3	
75	Awareness of the Installation the Lightning Protection System (LPS) by Using Structural Bonding Method in Malaysia. <i>MATEC Web of Conferences</i> , 2017 , 103, 03022	0.3	
74	Properties of Concrete Mixes with Carwash Wastewater. <i>MATEC Web of Conferences</i> , 2017 , 87, 01018	0.3	4
73	A Comprehensive Review on the Effectiveness of Existing Noise Barriers commonly used in the Railway Industry. <i>MATEC Web of Conferences</i> , 2017 , 87, 01007	0.3	1
72	Utilizing Slurry and Carwash Wastewater as Fresh Water Replacement in Concrete Properties. <i>MATEC Web of Conferences</i> , 2017 , 103, 01020	0.3	1
71	Properties of concrete containing coconut shell powder (CSP) as a filler. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012006	0.4	5
70	The durability of concrete containing recycled tyres as a partial replacement of fine aggregate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012075	0.4	6
69	Review of palm oil fuel ash and ceramic waste in the production of concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012051	0.4	5

68	A review of the application Acoustic Emission (AE) incorporating mechanical approach to monitor Reinforced concrete (RC) strengthened with Fiber Reinforced Polymer (FRP) properties under fracture. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012086	0.4	3
67	Potential of Hollow Glass Microsphere as Cement Replacement for Lightweight Foam Concrete on Thermal Insulation Performance. <i>MATEC Web of Conferences</i> , 2017 , 103, 01014	0.3	12
66	A review on the suitability of rubberized concrete for concrete bridge decks. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012074	0.4	9
65	Compressive strength and initial water absorption rate for cement brick containing high-density polyethylene (HDPE) as a substitutional material for sand. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012083	0.4	5
64	Preliminary evaluation of physical and chemical characterization of waste palm oil shell as cool material replaced in asphaltic concrete as fine aggregate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012054	0.4	2
63	A Preliminary Study Application Clustering System in Acoustic Emission Monitoring. <i>MATEC Web of Conferences</i> , 2017 , 103, 02027	0.3	3
62	Reducing Heavy Metal Element from Coal Bottom Ash by Using Citric Acid Leaching Treatment. <i>MATEC Web of Conferences</i> , 2017 , 103, 01004	0.3	8
61	Forensic Building: Deterioration and Defect in Concrete Structures. <i>MATEC Web of Conferences</i> , 2017 , 103, 02016	0.3	0
60	Compressive and flexural strength of concrete containing palm oil biomass clinker and polypropylene fibres. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012011	0.4	3
59	Enhancing the compressive strength of landfill soil using cement and bagasse ash. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012053	0.4	0
58	Sound absorption coefficient of coal bottom ash concrete for railway application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012077	0.4	0
57	Preliminary Study on Remediation of Contaminated Clay Soil Using Cement and Sugarcane Bagasse. <i>MATEC Web of Conferences</i> , 2017 , 103, 07001	0.3	
56	Compressive and tensile strength for concrete containing coal bottom ash. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012055	0.4	6
55	A review on the current issues and barriers of Industrialised Building System (IBS) adoption in Malaysia construction industry. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012031	0.4	4
54	A review on seashells ash as partial cement replacement. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012059	0.4	9
53	Study on effects of different patterns and cracking for wastes FRP (used banner) wrapping on compressive strength of confined concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012016	0.4	
52	Physical and mechanical properties of self-compacting concrete containing superplasticizer and metakaolin. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012004	0.4	17
51	The comparison of properties and cost of material use of natural rubber and sand in manufacturing cement mortar for construction sub-base layer. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012017	0.4	1

50	Effects of heating durations on normal concrete residual properties: compressive strength and mass loss. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012013	0.4	6
49	Concrete-Filled Double Skin Steel Tubular Columns Exposed to ASTM E-119 Fire Curve for 60 and 90 Minutes of Fire. <i>MATEC Web of Conferences</i> , 2017 , 103, 02009	0.3	2
48	The optimum content of rubber ash in concrete: flexural strength. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012009	0.4	3
47	Influence of Asphalt Dust Waste Material in Mix Design for Self-Compacting Concrete. <i>Key Engineering Materials</i> , 2017 , 730, 473-478	0.4	4
46	Effect of re-vibration on the compressive strength and surface hardness of concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012057	0.4	2
45	Alternative design of pipe sleeve for liquid removal mechanism in mortar slab layer. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012024	0.4	
44	A Preliminary Modified Volumetric Mix Design for Self-Compacting Concrete (SCC) by Utilizing Asphalt Dust Waste (ADW). <i>MATEC Web of Conferences</i> , 2017 , 103, 01008	0.3	
43	The effect of sludge water treatment plant residuals on the properties of compressed brick. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012052	0.4	2
42	Strengthening and repair of RC beams with sugarcane bagasse fiber reinforced cement mortar. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012064	0.4	
41	Crack classification in concrete beams using AE parameters. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012090	0.4	4
40	Axial compression behaviour of cross laminated wood-wool panel wallettes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012072	0.4	
39	Durability of coconut shell powder (CSP) concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012007	0.4	
38	Strength development of pervious concrete containing engineered biomass aggregate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 271, 012002	0.4	3
37	Suitability of Coconut Shell Concrete for Precast Cool Wall Panel-A Review. <i>MATEC Web of Conferences</i> , 2017 , 87, 01005	0.3	5
36	Active crack evaluation in concrete beams using statistical analysis of acoustic emission data. <i>Insight: Non-Destructive Testing and Condition Monitoring</i> , 2017 , 59, 24-31	1.3	13
35	Damage grading system for severity assessment on concrete structure. <i>Case Studies in Construction Materials</i> , 2016 , 5, 79-86	2.7	17
34	Properties of Cement Mortar Containing Rubber Ash as Sand Replacement. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 160, 012055	0.4	13
33	The effect on slurry water as a fresh water replacement in concrete properties. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 133, 012041	0.4	9

32	Experimental Study of Slurry Infiltrated Fiber Reinforced Concrete. <i>Materials Science Forum</i> , 2016 , 857, 363-366	0.4	7
31	A Preliminary Study On Chemical And Physical Properties Of Coconut Shell Powder As A Filler In Concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 160, 012059	0.4	14
30	A REVIEW ON PERFORMANCE OF WASTE MATERIALS IN SELF COMPACTING CONCRETE (SCC). <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016 , 78,	1.2	2
29	Amplitude Distribution of Emission Wave for Cracking Process. <i>MATEC Web of Conferences</i> , 2016 , 47, 02013	0.3	5
28	Strength of Concrete Containing Rubber Particle as Partial Cement Replacement. <i>MATEC Web of Conferences</i> , 2016 , 47, 01009	0.3	2
27	Physical and Mechanical Properties of Compressed Earth Brick (CEB) Containing Sugarcane Bagasse Ash. <i>MATEC Web of Conferences</i> , 2016 , 47, 01018	0.3	8
26	Relationship of Physical Parameters in Pb-Contaminated by Stabilization/Solidification Method. <i>MATEC Web of Conferences</i> , 2016 , 47, 03015	0.3	8
25	Physical and Chemical Properties of Coal Bottom Ash (CBA) from Tanjung Bin Power Plant. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 160, 012056	0.4	22
24	Analysis of Physical Properties and Mineralogical of Pyrolysis Tires Rubber Ash Compared Natural Sand in Concrete material. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 160, 012053	0.4	5
23	A Review on Waste Minimization by Adopting in Self Compacting Concrete. <i>MATEC Web of Conferences</i> , 2016 , 47, 01003	0.3	5
22	Strength Development and Water Permeability of Engineered Biomass Aggregate Pervious Concrete. <i>MATEC Web of Conferences</i> , 2016 , 47, 01007	0.3	7
21	Behavior of Fire Exposed Concrete-Filled Double Skin Steel Tubular (CFDST) Columns under Concentric Axial Loads. <i>Applied Mechanics and Materials</i> , 2015 , 773-774, 938-942	0.3	2
20	Effect of Diameter on Fire Exposed Concrete-Filled Double Skin Steel Tubular (CFDST) Columns under Concentric Axial Loads. <i>Applied Mechanics and Materials</i> , 2015 , 802, 130-135	0.3	2
19	Properties of Concrete with Different Percentange of the Rice Husk Ash (RHA) as Partial Cement Replacement. <i>Materials Science Forum</i> , 2014 , 803, 288-293	0.4	24
18	Diagnostic of fatigue damage severity on reinforced concrete beam using acoustic emission technique. <i>Engineering Failure Analysis</i> , 2014 , 41, 1-9	3.2	43
17	Damage classification in reinforced concrete beam by acoustic emission signal analysis. <i>Construction and Building Materials</i> , 2013 , 45, 78-86	6.7	140
16	The Behaviours of Steel Fiber as Main Reinforcement in High Performance Slurry Infiltrated Fiber Reinforced Concrete. <i>Key Engineering Materials</i> , 2013 , 594-595, 34-38	0.4	1
15	An Investigation of an Acoustic Wave Velocity in a Reinforced Concrete Beam from Out-of Plane and in Plane Sources 2013 ,		1

14	Analysis of the AE signals parameter at the critical area on the concrete beam 2012 ,		2
13	Quantitative Evaluation of the Relationship between Tensile Crack and Shear Movement in Concrete Beams. <i>Advanced Materials Research</i> , 2012 , 626, 355-359	0.5	16
12	An Overview Current Application of Artificial Neural Network in Concrete. <i>Advanced Materials Research</i> , 2012 , 626, 372-375	0.5	15
11	Applications of Acoustic Emission Technique Associated with the Fracture Process Zone in Concrete Beam [A Review]. <i>Advanced Materials Research</i> , 2012 , 626, 147-151	0.5	2
10	Classification of Damage Mode of Reinforced Concrete Beams Using Acoustic Emission Technique. <i>Advanced Materials Research</i> , 2012 , 626, 953-957	0.5	3
9	2011 ,		3
8	2011 ,		1
7	Relationship between acoustic emission signal strength and damage evaluation of reinforced concrete structure: Case studies 2011 ,		3
6	Damage severity evaluation on reinforced concrete beam by means of acoustic emission signal and intensity analysis 2011 ,		10
5	2011 ,		3
4	2011 ,		5
3	Health Index Evaluation on Acoustic Emission Signal for Concrete Structure by Intensity Analysis Method. <i>Advanced Materials Research</i> , 2011 , 403-408, 3729-3733	0.5	3
2	Comparative Evaluation on the MOE between EN, BS and ASTM of Concrete Containing PET. <i>IOP Conference Series: Materials Science and Engineering</i> , 713, 012018	0.4	
1	Performance study on mounting system for displacement transducer in mechanical tests of timber samples using photogrammetry method. <i>Wood Material Science and Engineering</i> , 1-17	1.9	