

Jamal Khatib

List of Publications by Citations

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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.

119
papers

4,246
citations

29
h-index

64
g-index

144
ext. papers

4,954
ext. citations

4.2
avg, IF

5.96
L-index

#	Paper	IF	Citations
119	Use of recycled plastic in concrete: a review. <i>Waste Management</i> , 2008 , 28, 1835-52	8.6	547
118	Properties of concrete incorporating fine recycled aggregate. <i>Cement and Concrete Research</i> , 2005 , 35, 763-769	10.3	486
117	Relative strength, pozzolanic activity and cement hydration in superplasticised metakaolin concrete. <i>Cement and Concrete Research</i> , 1996 , 26, 1537-1544	10.3	384
116	Performance of self-compacting concrete containing fly ash. <i>Construction and Building Materials</i> , 2008 , 22, 1963-1971	6.7	187
115	Selected engineering properties of concrete incorporating slag and metakaolin. <i>Construction and Building Materials</i> , 2005 , 19, 460-472	6.7	176
114	Pore size distribution of metakaolin paste. <i>Cement and Concrete Research</i> , 1996 , 26, 1545-1553	10.3	167
113	Organische Katalysatoren, LXI. Asymmetrische Synthesen mit Ketenen, I. Alkaloid-katalysierte asymmetrische Synthesen von β -Phenyl-propionsureestern. <i>Justus Liebigs Annalen Der Chemie</i> , 1960 , 634, 9-22		163
112	Portlandite consumption in metakaolin cement pastes and mortars. <i>Cement and Concrete Research</i> , 1997 , 27, 137-146	10.3	119
111	Sulphate Resistance of Metakaolin Mortar. <i>Cement and Concrete Research</i> , 1998 , 28, 83-92	10.3	114
110	Absorption characteristics of metakaolin concrete. <i>Cement and Concrete Research</i> , 2004 , 34, 19-29	10.3	112
109	Strength and durability of concrete incorporating crushed limestone sand. <i>Construction and Building Materials</i> , 2009 , 23, 625-633	6.7	87
108	Influence of metakaolin and silica fume on the heat of hydration and compressive strength development of mortar. <i>Applied Clay Science</i> , 2011 , 53, 704-708	5.2	86
107	Influence of calcined kaolin on mortar properties. <i>Construction and Building Materials</i> , 2011 , 25, 2275-2282	6.7	78
106	Properties of self-compacting mortar made with various types of sand. <i>Cement and Concrete Composites</i> , 2012 , 34, 1167-1173	8.6	73
105	Factors influencing strength development of concrete containing silica fume. <i>Cement and Concrete Research</i> , 1995 , 25, 1567-1580	10.3	72
104	Metakaolin concrete at a low water to binder ratio. <i>Construction and Building Materials</i> , 2008 , 22, 1691-1700	6.7	67
103	Effects of the addition of nanosilica on the rheology, hydration and development of the compressive strength of cement mortars. <i>Composites Part B: Engineering</i> , 2015 , 81, 120-129	10	62

102	Chemical shrinkage and autogenous shrinkage of Portland cement/metakaolin pastes. <i>Advances in Cement Research</i> , 1998 , 10, 109-119	1.8	60
101	Influence of initial curing on sulphate resistance of blended cement concrete. <i>Cement and Concrete Research</i> , 1992 , 22, 1089-1100	10.3	60
100	Absorption characteristics of concrete as a function of location relative to casting position. <i>Cement and Concrete Research</i> , 1995 , 25, 999-1010	10.3	57
99	Capillarity of concrete incorporating waste foundry sand. <i>Construction and Building Materials</i> , 2013 , 47, 867-871	6.7	54
98	Effect of nanosilica addition on the fresh properties and shrinkage of mortars with fly ash and superplasticizer. <i>Construction and Building Materials</i> , 2015 , 84, 269-276	6.7	51
97	Sulphate resistance of mortar, containing ground brick clay calcined at different temperatures. <i>Cement and Concrete Research</i> , 1997 , 27, 697-709	10.3	50
96	Influence of superplasticizer and curing on porosity and pore structure of cement paste. <i>Cement and Concrete Composites</i> , 1999 , 21, 431-437	8.6	50
95	Influence of high-temperature and low-humidity curing on chloride penetration in blended cement concrete. <i>Cement and Concrete Research</i> , 2002 , 32, 1743-1753	10.3	49
94	Durability of mortar and concretes containing slag with low hydraulic activity. <i>Cement and Concrete Composites</i> , 2012 , 34, 671-677	8.6	48
93	Abrasion resistance and mechanical properties of high-volume fly ash concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2010 , 43, 709-718	3.4	43
92	Ray spectroscopy of Bi191,193. <i>Physical Review C</i> , 2004 , 69,	2.7	31
91	Effect of metakaolin and foundry sand on the near surface characteristics of concrete. <i>Construction and Building Materials</i> , 2011 , 25, 3257-3266	6.7	29
90	Valorisation of waste expanded polystyrene in concrete using a novel recycling technique. <i>European Journal of Environmental and Civil Engineering</i> , 2017 , 21, 1384-1402	1.5	27
89	Porosity of cement paste cured at 45 °C as a function of location relative to casting position. <i>Cement and Concrete Composites</i> , 2003 , 25, 97-108	8.6	26
88	Microstructure, chloride diffusion and reinforcement corrosion in blended cement paste and concrete. <i>Cement and Concrete Composites</i> , 1994 , 16, 73-81	8.6	25
87	Improving biodegradability of polyvinyl alcohol/starch blend films for packaging applications. <i>International Journal of Basic and Applied Sciences</i> , 2014 , 3,	0.1	22
86	Effect of fly ash/gypsum blend on porosity and pore size distribution of cement pastes. <i>Advances in Applied Ceramics</i> , 2013 , 112, 197-201	2.3	21
85	Standard and modified falling mass impact tests on preplaced aggregate fibrous concrete and slurry infiltrated fibrous concrete. <i>Construction and Building Materials</i> , 2021 , 298, 123857	6.7	21

84	The effectiveness of using Raw Sewage Sludge (RSS) as a water replacement in cement mortar mixes containing Unprocessed Fly Ash (u-FA). <i>Construction and Building Materials</i> , 2017 , 147, 27-34	6.7	20
83	Some Engineering Properties of Concrete Containing Natural Pozzolana and Silica Fume. <i>Journal of Asian Architecture and Building Engineering</i> , 2006 , 5, 349-354	1	20
82	Experimental investigation on effects of calcined bentonite on fresh, strength and durability properties of sustainable self-compacting concrete. <i>Construction and Building Materials</i> , 2020 , 230, 117067	6.7	20
81	Sustainability of construction materials 2009 ,		19
80	Low Temperature Curing of Metakaolin Concrete. <i>Journal of Materials in Civil Engineering</i> , 2009 , 21, 362-367	3.67	18
79	Prediction of the durability performance of ternary cement containing limestone powder and ground granulated blast furnace slag. <i>Construction and Building Materials</i> , 2019 , 209, 215-221	6.7	17
78	EARLY AGE POROSITY AND PORE SIZE DISTRIBUTION OF CEMENT PASTE WITH FLUE GAS DESULPHURISATION (FGD) WASTE. <i>Journal of Civil Engineering and Management</i> , 2013 , 19, 622-627	3	16
77	Dimensional Change and Strength of Mortars Containing Fly Ash and Metakaolin. <i>Journal of Materials in Civil Engineering</i> , 2009 , 21, 523-528	3	16
76	Sustainability and Emerging Concrete Materials and Their Relevance to the Middle East. <i>Open Construction and Building Technology Journal</i> , 2008 , 2, 103-110	1.1	15
75	Conceptualisation and pilot study of shelled compressed earth block for sustainable housing in Nigeria. <i>International Journal of Sustainable Built Environment</i> , 2014 , 3, 72-86		14
74	Effect of using metakaolin as supplementary cementitious material and recycled CRT funnel glass as fine aggregate on the durability of green self-compacting concrete. <i>Construction and Building Materials</i> , 2020 , 235, 117802	6.7	14
73	The efficiency of using CFRP as a strengthening technique for reinforced concrete beams subjected to blast loading. <i>International Journal of Advanced Structural Engineering</i> , 2019 , 11, 411-420	2	13
72	Metakaolin 2018 , 493-511		13
71	Effect of initial curing on absorption and pore size distribution of paste and concrete containing slag. <i>KSCE Journal of Civil Engineering</i> , 2014 , 18, 264-272	1.9	12
70	Sulfate resistance of mortar containing simulated FGD waste. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2008 , 161, 119-128	0.8	12
69	Effect of curing time on selected properties of soil stabilized with fly ash, marble dust and waste sand for road sub-base materials. <i>Waste Management and Research</i> , 2017 , 35, 747-756	4	11
68	Numerical analysis of a reinforced concrete beam under blast loading. <i>MATEC Web of Conferences</i> , 2018 , 149, 02063	0.3	11
67	Effect of pH on the physico-mechanical properties and miscibility of methyl cellulose/poly(acrylic acid) blends. <i>Carbohydrate Polymers</i> , 2014 , 101, 415-22	10.3	11

66	The influence of gypsum content on the porosity and pore-size distribution of cured PFA/me mixes. <i>Advances in Cement Research</i> , 1995 , 7, 47-55	1.8	11
65	Characteristics of concrete containing EPS 2019 , 137-165		10
64	Mechanical and physical properties of concrete containing FGD waste. <i>Magazine of Concrete Research</i> , 2016 , 68, 550-560	2	10
63	Antecedents and benefits of 3D and 4D modelling for construction planners. <i>Journal of Engineering, Design and Technology</i> , 2007 , 5, 159-172	1.5	10
62	Experimental study on the reuse of cathode ray tubes funnel glass as fine aggregate for developing an ecological self-compacting mortar incorporating metakaolin. <i>Journal of Building Engineering</i> , 2020 , 27, 100951	5.2	10
61	A simplified model for the prediction of long term concrete drying shrinkage. <i>KSCE Journal of Civil Engineering</i> , 2014 , 18, 2196-2208	1.9	9
60	Thermo-mechanical and physical properties of waste granular cork composite with slag cement. <i>Construction and Building Materials</i> , 2021 , 272, 121923	6.7	9
59	Flexural Behaviour Of Reinforced Concrete Beams Containing Expanded Glass As Lightweight Aggregates. <i>Slovak Journal of Civil Engineering</i> , 2015 , 23, 1-7	0.9	8
58	Effects of surfactants on the properties of mortar containing styrene/methacrylate superplasticizer. <i>Scientific World Journal, The</i> , 2014 , 2014, 942978	2.2	7
57	Lime Activated Fly Ash Paste in the Presence of Metakaolin. <i>Procedia Engineering</i> , 2014 , 95, 415-418		7
56	Lightweight Concrete Incorporating Waste Expanded Polystyrene. <i>Advanced Materials Research</i> , 2013 , 787, 131-137	0.5	7
55	Combined effects of mineral additions and curing conditions on strength and durability of self-compacting mortars exposed to aggressive solutions in the natural hot-dry climate in North African desert region. <i>Construction and Building Materials</i> , 2019 , 197, 307-318	6.7	7
54	Numerical Derivation of Iso-Damaged Curve for a Reinforced Concrete Beam Subjected to Blast Loading. <i>MATEC Web of Conferences</i> , 2018 , 149, 02016	0.3	7
53	Multiwall carbon nanotubes (MWCNTs) dispersion & mechanical effects in OPC mortar & paste: A review. <i>Journal of Building Engineering</i> , 2021 , 43, 102512	5.2	7
52	Fracture behaviour of concrete containing limestone fines. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2014 , 167, 162-170	0.8	6
51	Structural Assessment of Reinforced Concrete Beams Incorporating Waste Plastic Straws. <i>Environments - MDPI</i> , 2020 , 7, 96	3.2	6
50	Effect of desulphurised waste on long-term porosity and pore structure of blended cement pastes. <i>Sustainable Environment Research</i> , 2016 , 26, 230-234	3.8	6
49	Potential pozzolanicity of Algerian calcined bentonite used as cement replacement: optimisation of calcination temperature and effect on strength of self-compacting mortars. <i>European Journal of Environmental and Civil Engineering</i> , 2020 , 1-23	1.5	5

48	Pore size distribution of cement pastes containing fly ash-gypsum blends cured for 7 days. <i>KSCE Journal of Civil Engineering</i> , 2014 , 18, 1091-1096	1.9	5
47	Sustainable construction and low-carbon dioxide concrete: Algeria case. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2014 , 167, 45-52	0.9	5
46	The perceptions of tenants in the refurbishment of tower blocks. <i>Facilities</i> , 2013 , 31, 119-137	2.2	5
45	Voidage assessment of concrete using digital image processing. <i>Magazine of Concrete Research</i> , 2010 , 62, 857-868	2	5
44	A Review on Cementitious Materials Including Municipal Solid Waste Incineration Bottom Ash (MSWI-BA) as Aggregates. <i>Buildings</i> , 2021 , 11, 179	3.2	5
43	Structural Performance of Reinforced Concrete Beams Incorporating Cathode-Ray Tube (CRT) Glass Waste. <i>Buildings</i> , 2021 , 11, 67	3.2	5
42	The sustainability of lightweight aggregates manufactured from clay wastes for reducing the carbon footprint of structural and foundation concrete 2016 , 209-244		4
41	Sustainability of compressed earth as a construction material 2016 , 309-341		4
40	The perceptions of contractor's and landlord's representatives in the refurbishment of tower blocks. <i>Facilities</i> , 2013 , 31, 521-541	2.2	4
39	Optimum utilisation of FGD waste in blended binders. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2006 , 159, 119-127	0.8	4
38	Selected properties of concrete containing municipal solid waste incineration bottom ash (MSWI-BA) 2019 ,		4
37	Prediction of Deflection in Reinforced Concrete Beams Containing Plastic Waste. <i>SSRN Electronic Journal</i> ,	1	4
36	Characteristics of Engineered Waste Materials Used for Road Subbase Layers. <i>KSCE Journal of Civil Engineering</i> , 2020 , 24, 2643-2656	1.9	4
35	Activation of slag through a combination of NaOH/NaS alkali for transforming it into geopolymer slag binder mortar assessment the effects of two different Blaine fines and three different curing conditions. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 1569-1584	5.5	4
34	Effect of partial replacement of cement with slag on the early-age strength of concrete. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2017 , 170, 451-461	0.9	3
33	Sustainability of sewage sludge in construction 2016 , 625-641		3
32	Sustainability of desulphurised (FGD) waste in construction 2016 , 683-715		3
31	Structural behaviour of reinforced concrete beams containing a novel lightweight aggregate. <i>International Journal of Structural Engineering</i> , 2016 , 7, 1	0.9	3

30	Properties of Cement-Based Materials Containing Cathode-Ray Tube (CRT) Glass Waste as Fine Aggregates. <i>Sustainability</i> , 2021 , 13, 11529	3.6	3
29	Application of mineral magnetic concentration measurements as a particle size proxy for urban road deposited sediments 2009 ,		3
28	Effect of synthesis parameters on the performance of alkali-activated non-conformant EN 450 pulverised fuel ash. <i>Construction and Building Materials</i> , 2016 , 121, 453-459	6.7	3
27	The Effect of Adding Phragmites australis Fibers on the Properties of Concrete. <i>Buildings</i> , 2022 , 12, 278	3.2	3
26	Principles for developing an effective framework to control minerals and rocks extraction impacts, mitigate waste and optimise sustainable quarries management. <i>Resources Policy</i> , 2016 , 47, 164-170	7.2	2
25	Challenges of waste management in a Nigerian leper colony. <i>International Journal of Environmental Studies</i> , 2008 , 65, 177-189	1.8	2
24	Bond to Bar Reinforcement of PET-Modified Concrete Containing Natural or Recycled Coarse Aggregates. <i>Environments - MDPI</i> , 2022 , 9, 8	3.2	2
23	Hydration characteristics and structure formation of cement pastes containing metakaolin. <i>MATEC Web of Conferences</i> , 2018 , 149, 01013	0.3	2
22	Volume Stability of Cement Paste Containing Limestone Fines. <i>Buildings</i> , 2021 , 11, 366	3.2	2
21	Hydration characteristics and structure formation of cement pastes containing metakaolin. <i>MATEC Web of Conferences</i> , 2018 , 149, 01013	0.3	1
20	Digital imaging 2D and 3D particle assessment using a flat-bed scanner. <i>Magazine of Concrete Research</i> , 2015 , 67, 1033-1047	2	1
19	The Influence of the Fineness of Mineral Additions on Strength and Drying Shrinkage of Self-Compacting Mortars. <i>Key Engineering Materials</i> , 2014 , 600, 367-374	0.4	1
18	The Use of Raw Sewage Sludge (RSS) As a Water Replacement in Cement-Based Mixes 2012 ,		1
17	WASTEWATER MANAGEMENT IN A NIGERIAN LEPPER COLONY / RAUPSAIS UŠIKRŪSIŲ MONIŲ KOLONIJOS NUOTEKŲ VARKYMAS NIGERIJOJE / <i>Journal of Environmental Studies</i> , 2008 , 65, 177-189	1.1	1
16	A discussion of the paper, Influence of high temperature and low humidity curing on chloride penetration in blended cement concrete, by J.M. Khatib and P.S. Mangat. <i>Cement and Concrete Research</i> , 2003 , 33, 1703	10.3	1
15	Effect of Wet Curing and Hot Climate on Strength and Durability of SCC with Natural Pozzolan. <i>Current Materials Science</i> , 2020 , 13, 58-73	1.1	1
14	Development and assessment of cement and concrete made of the burning of quarry by-product. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 3708-3721	5.5	1
13	Numerical Derivation of Iso-Damaged Curve for a Reinforced Concrete Beam Subjected to Blast Loading. <i>MATEC Web of Conferences</i> , 2018 , 149, 02016	0.3	1

12	Waste utilization to enhance performance of road subbase fill. <i>Journal of Engineering, Design and Technology</i> , 2021 , ahead-of-print,	1.5	1
11	Progress in Eco and Resilient Construction Materials Development 141-151		1
10	Synthesis, physico-mechanical properties, material processing, and math models of novel superior materials doped flake of carbon and colloid flake of carbon. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 4993-4993	5.5	0
9	Water Pollution and Urbanisation Trends in Lebanon: Litani River Basin Case Study 2018 , 397-415		0
8	Alternatives to Enhance the Structural Performance of PET-Modified Reinforced Concrete Beams. <i>Environments - MDPI</i> , 2022 , 9, 37	3.2	0
7	Properties of SCC at elevated temperature 2020 , 195-218		
6	Effect of copolymer latexes on physicomachanical properties of mortar containing high volume fly ash as a replacement material of cement. <i>Scientific World Journal, The</i> , 2014 , 2014, 670710	2.2	
5	Using metal plates for measurement of cement dust emission. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2014 , 167, 208-215	0.9	
4	A reply to the discussion by M. Collepardi of the paper, Influence of high temperature and low humidity curing on chloride penetration in blended cement concrete <i>Cement and Concrete Research</i> , 2003 , 33, 1705-1706	10.3	
3	Numerical analysis of a reinforced concrete beam under blast loading. <i>MATEC Web of Conferences</i> , 2018 , 149, 02063	0.3	
2	Affordable and Sustainable Housing in Rwanda. <i>Sustainability</i> , 2021 , 13, 4188	3.6	
1	Mitigating Urban Pollution through Innovative Use of Construction Materials 2018 , 235-247		