

Jamal Khatib

List of Publications by Year in descending order

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134
papers

6,432
citations

136950

32
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79698

73
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152
all docs

152
docs citations

152
times ranked

4546
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of municipal solid waste incineration bottom ash (MSWI-BA) on the structural performance of reinforced concrete (RC) beams. <i>Journal of Engineering, Design and Technology</i> , 2023, 21, 862-882.	1.7	15
2	Effect of using limestone fines on the chemical shrinkage of pastes and mortars. <i>Environmental Science and Pollution Research</i> , 2023, 30, 25287-25298.	5.3	10
3	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> , 2022, 26, 1379-1401.	2.1	11
4	Waste utilization to enhance performance of road subbase fill. <i>Journal of Engineering, Design and Technology</i> , 2022, 20, 455-474.	1.7	2
5	Bond to Bar Reinforcement of PET-Modified Concrete Containing Natural or Recycled Coarse Aggregates. <i>Environments - MDPI</i> , 2022, 9, 8.	3.3	9
6	Effect of limestone fines as a partial replacement of cement on the chemical, autogenous, drying shrinkage and expansion of mortars. <i>Materials Today: Proceedings</i> , 2022, 58, 1199-1204.	1.8	8
7	Chemical shrinkage of paste and mortar containing limestone fines. <i>Materials Today: Proceedings</i> , 2022, 61, 530-536.	1.8	6
8	Effect of duct type, size, and embedment on bond behavior of post-tensioned mono-strand concrete members. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	1
9	Rehabilitation of reinforced concrete slabs damaged by impact loading using swimmers as shear reinforcement. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	1
10	The Effect of Adding Phragmites australis Fibers on the Properties of Concrete. <i>Buildings</i> , 2022, 12, 278.	3.1	12
11	Alternatives to Enhance the Structural Performance of PET-Modified Reinforced Concrete Beams. <i>Environments - MDPI</i> , 2022, 9, 37.	3.3	7
12	Effect of Chemical Warm Mix Additive on the Properties and Mechanical Performance of Recycled Asphalt Mixtures. <i>Buildings</i> , 2022, 12, 874.	3.1	15
13	PRODUCTION OF LOW-COST SELF-CONSOLIDATING CONCRETE (SCC) USING MANUFACTURED AGGREGATES. , 2022, 3, .		0
14	MECHANICAL AND DURABILITY PROPERTIES OF GEOPOLYMER CONCRETE â€œ A REVIEW. , 2022, 3, .		3
15	Thermo-mechanical and physical properties of waste granular cork composite with slag cement. <i>Construction and Building Materials</i> , 2021, 272, 121923.	7.2	15
16	Structural Performance of Reinforced Concrete Beams Incorporating Cathode-Ray Tube (CRT) Glass Waste. <i>Buildings</i> , 2021, 11, 67.	3.1	25
17	A Review on Cementitious Materials Including Municipal Solid Waste Incineration Bottom Ash (MSWI-BA) as Aggregates. <i>Buildings</i> , 2021, 11, 179.	3.1	24
18	Affordable and Sustainable Housing in Rwanda. <i>Sustainability</i> , 2021, 13, 4188.	3.2	0

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19	Properties of Self-Compacting Mortar Containing Slag with Different Finenesses. Civil Engineering Journal (Iran), 2021, 7, 840-856.	3.9	4
20	Volume Stability of Cement Paste Containing Limestone Fines. Buildings, 2021, 11, 366.	3.1	14
21	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. Journal of Materials Research and Technology, 2021, 14, 1569-1584.	5.8	20
22	Standard and modified falling mass impact tests on preplaced aggregate fibrous concrete and slurry infiltrated fibrous concrete. Construction and Building Materials, 2021, 298, 123857.	7.2	39
23	Multiwall carbon nanotubes (MWCNTs) dispersion & mechanical effects in OPC mortar & paste: A review. Journal of Building Engineering, 2021, 43, 102512.	3.4	22
24	Properties of Cement-Based Materials Containing Cathode-Ray Tube (CRT) Glass Waste as Fine Aggregates – A Review. Sustainability, 2021, 13, 11529.	3.2	18
25	Development and assessment of cement and concrete made of the burning of quinary by-product. Journal of Materials Research and Technology, 2021, 15, 3708-3721.	5.8	17
26	Synthesis, physico-mechanical properties, material processing, and math models of novel superior materials doped flake of carbon and colloid flake of carbon. Journal of Materials Research and Technology, 2021, 15, 4993-5009.	5.8	14
27	Experimental study on the reuse of cathode ray tubes funnel glass as fine aggregate for developing an ecological self-compacting mortar incorporating metakaolin. Journal of Building Engineering, 2020, 27, 100951.	3.4	15
28	Experimental investigation on effects of calcined bentonite on fresh, strength and durability properties of sustainable self-compacting concrete. Construction and Building Materials, 2020, 230, 117062.	7.2	32
29	Effect of using metakaolin as supplementary cementitious material and recycled CRT funnel glass as fine aggregate on the durability of green self-compacting concrete. Construction and Building Materials, 2020, 235, 117802.	7.2	44
30	Characteristics of Engineered Waste Materials Used for Road Subbase Layers. KSCE Journal of Civil Engineering, 2020, 24, 2643-2656.	1.9	9
31	Structural Assessment of Reinforced Concrete Beams Incorporating Waste Plastic Straws. Environments - MDPI, 2020, 7, 96.	3.3	21
32	Properties of SCC at elevated temperature. , 2020, , 195-218.		0
33	Effect of Wet Curing and Hot Climate on Strength and Durability of SCC with Natural Pozzolan. Current Materials Science, 2020, 13, 58-73.	0.4	2
34	The efficiency of using CFRP as a strengthening technique for reinforced concrete beams subjected to blast loading. International Journal of Advanced Structural Engineering, 2019, 11, 411-420.	1.3	32
35	Prediction of the durability performance of ternary cement containing limestone powder and ground granulated blast furnace slag. Construction and Building Materials, 2019, 209, 215-221.	7.2	34
36	Characteristics of concrete containing EPS. , 2019, , 137-165.		22

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37	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. Construction and Building Materials, 2019, 197, 307-318.	7.2	15
38	Selected properties of concrete containing municipal solid waste incineration bottom ash (MSWI-BA). , 2019, , .		7
39	Effect of palm fibres addition on absorption characteristics and mechanical properties of concrete. , 2019, , .		1
40	Flexural characteristics of reinforced concrete beams containing lightweight aggregate in the tensile zone. , 2019, , .		1
41	Numerical analysis of a reinforced concrete beam under blast loading. MATEC Web of Conferences, 2018, 149, 02063.	0.2	30
42	Numerical Derivation of Iso-Damaged Curve for a Reinforced Concrete Beam Subjected to Blast Loading. MATEC Web of Conferences, 2018, 149, 02016.	0.2	18
43	Hydration characteristics and structure formation of cement pastes containing metakaolin. MATEC Web of Conferences, 2018, 149, 01013.	0.2	1
44	Metakaolin. , 2018, , 493-511.		25
45	Hydration characteristics and structure formation of cement pastes containing metakaolin. MATEC Web of Conferences, 2018, 149, 01013.	0.2	2
46	Numerical Derivation of Iso-Damaged Curve for a Reinforced Concrete Beam Subjected to Blast Loading. MATEC Web of Conferences, 2018, 149, 02016.	0.2	1
47	Numerical analysis of a reinforced concrete beam under blast loading. MATEC Web of Conferences, 2018, 149, 02063.	0.2	0
48	Valorisation of waste expanded polystyrene in concrete using a novel recycling technique. European Journal of Environmental and Civil Engineering, 2017, 21, 1384-1402.	2.1	49
49	The effectiveness of using Raw Sewage Sludge (RSS) as a water replacement in cement mortar mixes containing Unprocessed Fly Ash (u-FA). Construction and Building Materials, 2017, 147, 27-34.	7.2	28
50	Effect of curing time on selected properties of soil stabilized with fly ash, marble dust and waste sand for road sub-base materials. Waste Management and Research, 2017, 35, 747-756.	3.9	19
51	Effect of partial replacement of cement with slag on the early-age strength of concrete. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2017, 170, 451-461.	0.8	5
52	CHARACTERISTICS OF FRESH MIXTURE OF A NOVEL CEMENT-LESS WASTEPAPER-BASED LIGHTWEIGHT BLOCK AND ITS MOLDING PROCESSES. Proceedings of International Structural Engineering and Construction, 2017, 4, .	0.1	0
53	Effect of synthesis parameters on the performance of alkali-activated non-conformant EN 450 pulverised fuel ash. Construction and Building Materials, 2016, 121, 453-459.	7.2	4
54	Effect of desulphurised waste on long-term porosity and pore structure of blended cement pastes. Sustainable Environment Research, 2016, 26, 230-234.	4.2	10

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55	Mechanical and physical properties of concrete containing FGD waste. Magazine of Concrete Research, 2016, 68, 550-560.	2.0	15
56	The sustainability of lightweight aggregates manufactured from clay wastes for reducing the carbon footprint of structural and foundation concrete. , 2016, , 209-244.		7
57	Sustainability of compressed earth as a construction material. , 2016, , 309-341.		9
58	Sustainability of sewage sludge in construction. , 2016, , 625-641.		5
59	Sustainability of desulphurised (FGD) waste in construction. , 2016, , 683-715.		7
60	Principles for developing an effective framework to control minerals and rocks extraction impacts, mitigate waste and optimise sustainable quarries management. Resources Policy, 2016, 47, 164-170.	9.6	3
61	Structural behaviour of reinforced concrete beams containing a novel lightweight aggregate. International Journal of Structural Engineering, 2016, 7, 1.	0.4	6
62	Salient Parameters Influencing the Strength Properties of CementLess Wastepaper Based Lightweight Block. , 2016, , .		0
63	Digital imaging 2D and 3D particle assessment using a flat-bed scanner. Magazine of Concrete Research, 2015, 67, 1033-1047.	2.0	1
64	Flexural Behaviour Of Reinforced Concrete Beams Containing Expanded Glass As Lightweight Aggregates. Slovak Journal of Civil Engineering, 2015, 23, 1-7.	0.5	16
65	Effects of the addition of nanosilica on the rheology, hydration and development of the compressive strength of cement mortars. Composites Part B: Engineering, 2015, 81, 120-129.	12.0	99
66	Effect of nanosilica addition on the fresh properties and shrinkage of mortars with fly ash and superplasticizer. Construction and Building Materials, 2015, 84, 269-276.	7.2	69
67	Effects of Surfactants on the Properties of Mortar Containing Styrene/Methacrylate Superplasticizer. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	9
68	Improving biodegradability of polyvinyl alcohol/starch blend films for packaging applications. International Journal of Basic and Applied Sciences, 2014, 3, .	0.2	32
69	Effect of Copolymer Latexes on Physicomechanical Properties of Mortar Containing High Volume Fly Ash as a Replacement Material of Cement. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	0
70	Lime Activated Fly Ash Paste in the Presence of Metakaolin. Procedia Engineering, 2014, 95, 415-418.	1.2	10
71	A simplified model for the prediction of long term concrete drying shrinkage. KSCE Journal of Civil Engineering, 2014, 18, 2196-2208.	1.9	13
72	The Influence of the Fineness of Mineral Additions on Strength and Drying Shrinkage of Self-Compacting Mortars. Key Engineering Materials, 2014, 600, 367-374.	0.4	3

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73	Sustainable construction and low-carbon dioxide concrete: Algeria case. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2014, 167, 45-52.	0.7	8
74	Using metal plates for measurement of cement dust emission. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2014, 167, 208-215.	0.7	0
75	Effect of initial curing on absorption and pore size distribution of paste and concrete containing slag. KSCE Journal of Civil Engineering, 2014, 18, 264-272.	1.9	14
76	Pore size distribution of cement pastes containing fly ash-gypsum blends cured for 7 days. KSCE Journal of Civil Engineering, 2014, 18, 1091-1096.	1.9	9
77	Effect of pH on the physico-mechanical properties and miscibility of methyl cellulose/poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 15	10.2	15
78	Conceptualisation and pilot study of shelled compressed earth block for sustainable housing in Nigeria. International Journal of Sustainable Built Environment, 2014, 3, 72-86.	3.2	18
79	Fracture behaviour of concrete containing limestone fines. Proceedings of Institution of Civil Engineers: Construction Materials, 2014, 167, 162-170.	1.1	9
80	Capillarity of concrete incorporating waste foundry sand. Construction and Building Materials, 2013, 47, 867-871.	7.2	88
81	Effect of fly ash-gypsum blend on porosity and pore size distribution of cement pastes. Advances in Applied Ceramics, 2013, 112, 197-201.	1.1	25
82	EARLY AGE POROSITY AND PORE SIZE DISTRIBUTION OF CEMENT PASTE WITH FLUE GAS DESULPHURISATION (FGD) WASTE. Journal of Civil Engineering and Management, 2013, 19, 622-627.	3.5	20
83	The perceptions of contractor's and landlord's representatives in the refurbishment of tower blocks. Facilities, 2013, 31, 521-541.	1.6	4
84	The perceptions of tenants in the refurbishment of tower blocks. Facilities, 2013, 31, 119-137.	1.6	7
85	The Use of Raw Sewage Sludge (RSS) As a Water Replacement in Cement-Based Mixes. , 2012, , .		1
86	Properties of self-compacting mortar made with various types of sand. Cement and Concrete Composites, 2012, 34, 1167-1173.	10.7	109
87	Durability of mortar and concretes containing slag with low hydraulic activity. Cement and Concrete Composites, 2012, 34, 671-677.	10.7	60
88	Influence of metakaolin and silica fume on the heat of hydration and compressive strength development of mortar. Applied Clay Science, 2011, 53, 704-708.	5.2	118
89	Effect of metakaolin and foundry sand on the near surface characteristics of concrete. Construction and Building Materials, 2011, 25, 3257-3266.	7.2	45
90	Influence of calcined kaolin on mortar properties. Construction and Building Materials, 2011, 25, 2275-2282.	7.2	100

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109	Optimum utilisation of FGD waste in blended binders. Proceedings of Institution of Civil Engineers: Construction Materials, 2006, 159, 119-127.	1.1	8
110	Some Engineering Properties of Concrete Containing Natural Pozzolana and Silica Fume. Journal of Asian Architecture and Building Engineering, 2006, 5, 349-354.	2.0	22
111	Properties of concrete incorporating fine recycled aggregate. Cement and Concrete Research, 2005, 35, 763-769.	11.0	618
112	Selected engineering properties of concrete incorporating slag and metakaolin. Construction and Building Materials, 2005, 19, 460-472.	7.2	225
113	\hat{I}^3 -ray spectroscopy of Bi191,193. Physical Review C, 2004, 69, .	2.9	32
114	Absorption characteristics of metakaolin concrete. Cement and Concrete Research, 2004, 34, 19-29.	11.0	151
115	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. Cement and Concrete Research, 2003, 33, 1703.	11.0	1
116	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" Cement and Concrete Research, 2003, 33, 1705-1706.	11.0	0
117	Porosity of cement paste cured at 45 °C as a function of location relative to casting position. Cement and Concrete Composites, 2003, 25, 97-108.	10.7	29
118	Influence of high-temperature and low-humidity curing on chloride penetration in blended cement concrete. Cement and Concrete Research, 2002, 32, 1743-1753.	11.0	56
119	Influence of superplasticizer and curing on porosity and pore structure of cement paste. Cement and Concrete Composites, 1999, 21, 431-437.	10.7	61
120	Sulphate Resistance of Metakaolin Mortar. Cement and Concrete Research, 1998, 28, 83-92.	11.0	134
121	Chemical shrinkage and autogenous shrinkage of Portland cement metakaolin pastes. Advances in Cement Research, 1998, 10, 109-119.	1.6	76
122	Portlandite consumption in metakaolin cement pastes and mortars. Cement and Concrete Research, 1997, 27, 137-146.	11.0	160
123	Sulphate resistance of mortar, containing ground brick clay calcined at different temperatures. Cement and Concrete Research, 1997, 27, 697-709.	11.0	59
124	Pore size distribution of metakaolin paste. Cement and Concrete Research, 1996, 26, 1545-1553.	11.0	205
125	Relative strength, pozzolanic activity and cement hydration in superplasticised metakaolin concrete. Cement and Concrete Research, 1996, 26, 1537-1544.	11.0	492
126	The influence of gypsum content on the porosity and pore-size distribution of cured PFA lime mixes. Advances in Cement Research, 1995, 7, 47-55.	1.6	11

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127	Absorption characteristics of concrete as a function of location relative to casting position. Cement and Concrete Research, 1995, 25, 999-1010.	11.0	74
128	Factors influencing strength development of concrete containing silica fume. Cement and Concrete Research, 1995, 25, 1567-1580.	11.0	86
129	Microstructure, chloride diffusion and reinforcement corrosion in blended cement paste and concrete. Cement and Concrete Composites, 1994, 16, 73-81.	10.7	33
130	Influence of initial curing on sulphate resistance of blended cement concrete. Cement and Concrete Research, 1992, 22, 1089-1100.	11.0	65
131	Organische Katalysatoren, LXI. Asymmetrische Synthesen mit Ketenen, I. Alkaloidkatalysierte asymmetrische Synthesen von α -Phenylpropionsäureestern. Justus Liebigs Annalen Der Chemie, 1960, 634, 9-22.	0.5	182
132	Lightweight Concrete Incorporating Waste Expanded Polystyrene. Advanced Materials Research, 0, 787, 131-137.	0.3	11
133	Prediction of Deflection in Reinforced Concrete Beams Containing Plastic Waste. SSRN Electronic Journal, 0, , .	0.4	10
134	Excellence in Concrete Construction through Innovation. , 0, , .		0