

Mohammad Maslehuddin

List of Publications by Year in descending order

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181
papers

5,873
citations

70961

41
h-index

102304

66
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181
all docs

181
docs citations

181
times ranked

3589
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of properties of steel slag and crushed limestone aggregate concretes. <i>Construction and Building Materials</i> , 2003, 17, 105-112.	3.2	339
2	Effect of coarse aggregate quality on the mechanical properties of high strength concrete. <i>Construction and Building Materials</i> , 2003, 17, 97-103.	3.2	228
3	Sulfate resistance of plain and blended cements exposed to varying concentrations of sodium sulfate. <i>Cement and Concrete Composites</i> , 2003, 25, 429-437.	4.6	163
4	Magnesium-Sulfate Attack in Plain and Blended Cements. <i>Journal of Materials in Civil Engineering</i> , 1994, 6, 201-222.	1.3	134
5	Effect of moisture, chloride and sulphate contamination on the electrical resistivity of Portland cement concrete. <i>Construction and Building Materials</i> , 1996, 10, 209-214.	3.2	132
6	Long-term effect of sulfate ions and associated cation type on chloride-induced reinforcement corrosion in Portland cement concretes. <i>Cement and Concrete Composites</i> , 2002, 24, 17-25.	4.6	124
7	Evolution of alkaline activated ground blast furnace slag-ultrafine palm oil fuel ash based concrete. <i>Materials & Design</i> , 2014, 55, 387-393.	5.1	115
8	Mechanical properties and durability characteristics of polymer- and cement-based repair materials. <i>Cement and Concrete Composites</i> , 2003, 25, 527-537.	4.6	109
9	Role of chloride ions on expansion and strength reduction in plain and blended cements in sulfate environments. <i>Construction and Building Materials</i> , 1995, 9, 25-33.	3.2	107
10	Strength and microstructure of alkali-activated binary blended binder containing palm oil fuel ash and ground blast-furnace slag. <i>Construction and Building Materials</i> , 2014, 52, 504-510.	3.2	103
11	Effects of carbonation pressure and duration on strength evolution of concrete subjected to accelerated carbonation curing. <i>Construction and Building Materials</i> , 2017, 136, 565-573.	3.2	94
12	Effectiveness of corrosion inhibitors in contaminated concrete. <i>Cement and Concrete Composites</i> , 2003, 25, 439-449.	4.6	91
13	Shrinkage of plain and silica fume cement concrete under hot weather. <i>Cement and Concrete Composites</i> , 2007, 29, 690-699.	4.6	89
14	Mechanical properties of steel fiber-reinforced UHPC mixtures exposed to elevated temperature: Effects of exposure duration and fiber content. <i>Composites Part B: Engineering</i> , 2019, 168, 291-301.	5.9	89
15	In situ measurement of thermal transmittance and thermal resistance of hollow reinforced precast concrete walls. <i>Energy and Buildings</i> , 2014, 84, 132-141.	3.1	87
16	Usage of cement kiln dust in cement products - Research review and preliminary investigations. <i>Construction and Building Materials</i> , 2008, 22, 2369-2375.	3.2	86
17	Use of Surface Treatment Materials to Improve Concrete Durability. <i>Journal of Materials in Civil Engineering</i> , 1999, 11, 36-40.	1.3	83
18	Effect of silica fume on the mechanical properties of low quality coarse aggregate concrete. <i>Cement and Concrete Composites</i> , 2004, 26, 891-900.	4.6	80

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19	Influence of nano-SiO ₂ on the strength and microstructure of natural pozzolan based alkali activated concrete. <i>Construction and Building Materials</i> , 2018, 173, 573-585.	3.2	79
20	Properties of concrete with untreated and treated crumb rubber – A review. <i>Journal of Materials Research and Technology</i> , 2021, 11, 1753-1798.	2.6	77
21	The effect of chloride and sulfate ions on reinforcement corrosion. <i>Cement and Concrete Research</i> , 1993, 23, 139-146.	4.6	76
22	Correlation between compressive strength and certain durability indices of plain and blended cement concretes. <i>Cement and Concrete Composites</i> , 2009, 31, 672-676.	4.6	74
23	Properties of cement kiln dust concrete. <i>Construction and Building Materials</i> , 2009, 23, 2357-2361.	3.2	73
24	Radiation shielding properties of concrete with electric arc furnace slag aggregates and steel shots. <i>Annals of Nuclear Energy</i> , 2013, 53, 192-196.	0.9	71
25	Effect of alkaline activators and binder content on the properties of natural pozzolan-based alkali activated concrete. <i>Construction and Building Materials</i> , 2017, 147, 648-660.	3.2	68
26	Effect of electric arc furnace dust on the properties of OPC and blended cement concretes. <i>Construction and Building Materials</i> , 2011, 25, 308-312.	3.2	66
27	Effect of key mixture parameters on flow and mechanical properties of reactive powder concrete. <i>Construction and Building Materials</i> , 2015, 99, 73-81.	3.2	64
28	Durability performance of Palm Oil Fuel Ash-based Engineered Alkaline-activated Cementitious Composite (POFA-EACC) mortar in sulfate environment. <i>Construction and Building Materials</i> , 2017, 131, 229-244.	3.2	61
29	Influence of chloride ions on sulphate deterioration in plain and blended cements. <i>Magazine of Concrete Research</i> , 1994, 46, 113-123.	0.9	58
30	Effects of H ₂ O/Na ₂ O molar ratio on the strength of alkaline activated ground blast furnace slag-ultrafine palm oil fuel ash based concrete. <i>Materials & Design</i> , 2014, 56, 158-164.	5.1	58
31	Mechanical and thermal properties of lightweight recycled plastic aggregate concrete. <i>Journal of Building Engineering</i> , 2020, 32, 101710.	1.6	57
32	Ensemble machine learning model for corrosion initiation time estimation of embedded steel reinforced self-compacting concrete. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 165, 108141.	2.5	51
33	Effectiveness of concrete surface treatment materials in reducing chloride-induced reinforcement corrosion. <i>Construction and Building Materials</i> , 1997, 11, 443-451.	3.2	51
34	Influence of curing methods and concentration of NaOH on strength of the synthesized alkaline activated –ground–slag-ultrafine palm oil fuel ash mortar/concrete. <i>Construction and Building Materials</i> , 2014, 66, 541-548.	3.2	50
35	Electrochemical behaviour of steel in plain and blended cement concretes in sulphate and/or chloride environments. <i>Construction and Building Materials</i> , 1995, 9, 97-103.	3.2	49
36	Effect of curing methods on strength and durability of concrete under hot weather conditions. <i>Cement and Concrete Composites</i> , 2013, 41, 60-69.	4.6	48

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37	Impact of added water and superplasticizer on early compressive strength of selected mixtures of palm oil fuel ash-based engineered geopolymer composites. <i>Construction and Building Materials</i> , 2016, 109, 198-206.	3.2	48
38	Method and Mechanisms of Soil Stabilization Using Electric Arc Furnace Dust. <i>Scientific Reports</i> , 2017, 7, 46676.	1.6	48
39	Effect of type and dosage of silica fume on plastic shrinkage in concrete exposed to hot weather. <i>Construction and Building Materials</i> , 2004, 18, 737-743.	3.2	45
40	Development of an optimum mixture of ultra-high performance concrete. <i>European Journal of Environmental and Civil Engineering</i> , 2016, 20, 1106-1126.	1.0	45
41	Enhancing the engineering properties and microstructure of room temperature cured alkali activated natural pozzolan based concrete utilizing nanosilica. <i>Construction and Building Materials</i> , 2018, 189, 352-365.	3.2	45
42	Influence of admixing natural pozzolan as partial replacement of cement and microsilica in UHPC mixtures. <i>Construction and Building Materials</i> , 2019, 198, 437-444.	3.2	45
43	Effect of mix proportions on plastic shrinkage cracking of concrete in hot environments. <i>Construction and Building Materials</i> , 1998, 12, 353-358.	3.2	43
44	Detection of sulfur in the reinforced concrete structures using a dual pulsed LIBS system. <i>Optics and Laser Technology</i> , 2012, 44, 566-571.	2.2	43
45	Effect of placement temperature and curing method on plastic shrinkage of plain and pozzolanic cement concretes under hot weather. <i>Construction and Building Materials</i> , 2017, 152, 943-953.	3.2	43
46	Efficiency of corrosion inhibitors in mitigating corrosion of steel under elevated temperature and chloride concentration. <i>Construction and Building Materials</i> , 2018, 163, 97-112.	3.2	43
47	Properties of SCC prepared using natural pozzolana and industrial wastes as mineral fillers. <i>Cement and Concrete Composites</i> , 2015, 62, 125-133.	4.6	42
48	Radiation shielding performance of heavy-weight concrete mixtures. <i>Construction and Building Materials</i> , 2019, 224, 284-291.	3.2	42
49	Effect of superplasticizer on plastic shrinkage of plain and silica fume cement concretes. <i>Construction and Building Materials</i> , 2006, 20, 642-647.	3.2	41
50	Effect of chloride concentration in soil on reinforcement corrosion. <i>Construction and Building Materials</i> , 2007, 21, 1825-1832.	3.2	41
51	Performance of generic and proprietary corrosion inhibitors in chloride-contaminated silica fume cement concrete. <i>Construction and Building Materials</i> , 2009, 23, 1768-1774.	3.2	40
52	Shrinkage and strength of alkaline activated ground steel slag/ultrafine palm oil fuel ash pastes and mortars. <i>Materials & Design</i> , 2014, 63, 710-718.	5.1	40
53	Influence of composition and concentration of alkaline activator on the properties of natural-pozzolan based green concrete. <i>Construction and Building Materials</i> , 2019, 201, 186-195.	3.2	40
54	Effect of curing methods on shrinkage and corrosion resistance of concrete. <i>Construction and Building Materials</i> , 2013, 41, 634-641.	3.2	39

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55	Development of UHPC Mixtures Utilizing Natural and Industrial Waste Materials as Partial Replacements of Silica Fume and Sand. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	39
56	Influence of heat curing period and temperature on the strength of silico-manganese fume-blast furnace slag-based alkali-activated mortar. Construction and Building Materials, 2020, 251, 118961.	3.2	39
57	Influence of atmospheric corrosion on the mechanical properties of reinforcing steel. Construction and Building Materials, 1994, 8, 35-41.	3.2	38
58	Influence of Sulfate Ions on Chloride-Induced Reinforcement Corrosion in Portland and Blended Cement Concretes. Cement, Concrete and Aggregates, 1994, 16, 3-11.	0.1	38
59	Thermal-resistant lightweight concrete with polyethylene beads as coarse aggregates. Construction and Building Materials, 2018, 164, 739-749.	3.2	37
60	Efficiency of generic and proprietary inhibitors in mitigating Corrosion of Carbon Steel in Chloride-Sulfate Environments. Scientific Reports, 2018, 8, 11443.	1.6	37
61	Properties of self-consolidating concrete made utilizing alternative mineral fillers. Construction and Building Materials, 2014, 68, 268-276.	3.2	33
62	An overview of factors influencing the properties of alkali-activated binders. Journal of Cleaner Production, 2021, 286, 124972.	4.6	33
63	Effect of Temperature and Salt Contamination on Carbonation of Cements. Journal of Materials in Civil Engineering, 1996, 8, 63-69.	1.3	32
64	Effects of addition of Al(OH) ₃ on the strength of alkaline activated ground blast furnace slag-ultrafine palm oil fuel ash (AAGU) based binder. Construction and Building Materials, 2014, 50, 361-367.	3.2	32
65	Impacts of silica modulus on the early strength of alkaline activated ground slag/ultrafine palm oil fuel ash based concrete. Materials and Structures/Materiaux Et Constructions, 2015, 48, 733-741.	1.3	32
66	Development of high performance concrete using industrial waste materials and nano-silica. Journal of Materials Research and Technology, 2020, 9, 6696-6711.	2.6	30
67	Performance of concrete coating under varying exposure conditions. Materials and Structures/Materiaux Et Constructions, 2002, 35, 487-494.	1.3	28
68	Performance of corrosion inhibitors in cracked and uncracked silica fume cement concrete beams. European Journal of Environmental and Civil Engineering, 2020, 24, 1573-1588.	1.0	28
69	Effect of sodium hydroxide concentration on strength and microstructure of alkali-activated natural pozzolan and limestone powder mortar. Construction and Building Materials, 2021, 271, 121530.	3.2	28
70	Effect of different treatments of crumb rubber on the durability characteristics of rubberized concrete. Construction and Building Materials, 2022, 318, 126030.	3.2	28
71	Corrosion of Reinforcing Steel in Concrete Containing Slag or Pozzolans. Cement, Concrete and Aggregates, 1990, 12, 24-31.	0.1	27
72	Monte Carlo simulations for design of the KFUPM PGNA A facility. Radiation Physics and Chemistry, 2003, 66, 89-98.	1.4	26

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73	Effect of sulfate ions and associated cation type on the pore solution chemistry in chloride-contaminated plain and blended cements. <i>Cement and Concrete Composites</i> , 2003, 25, 513-525.	4.6	26
74	Performance and Correlation of the Properties of Fly Ash Cement Concrete. <i>Cement, Concrete and Aggregates</i> , 1996, 18, 71-77.	0.1	25
75	Effect of mineral additives and two-stage mixing on the performance of recycled aggregate concrete. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 1587-1601.	1.6	24
76	Effect of steel manufacturing process and atmospheric corrosion on the corrosion-resistance of steel bars in concrete. <i>Cement and Concrete Composites</i> , 2002, 24, 151-158.	4.6	23
77	Effect of casting temperature on strength and density of plain and blended cement concretes prepared and cured under hot weather conditions. <i>Construction and Building Materials</i> , 2016, 112, 529-537.	3.2	23
78	A review on treatment techniques to improve the durability of recycled aggregate concrete: Enhancement mechanisms, performance and cost analysis. <i>Journal of Building Engineering</i> , 2022, 55, 104713.	1.6	23
79	Carbonation and corrosion of rebars in salt contaminated OPC/PFA concretes. <i>Cement and Concrete Research</i> , 1991, 21, 38-50.	4.6	22
80	Non-destructive analysis of chlorine in fly ash cement concrete. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 607, 446-450.	0.7	22
81	Effectiveness of concrete surface treatment materials in reducing chloride-induced reinforcement corrosion. <i>Construction and Building Materials</i> , 1997, 11, 443-451.	3.2	21
82	Synthesis of low temperature cured alkaline activated silicomanganese fume mortar. <i>Construction and Building Materials</i> , 2019, 200, 387-397.	3.2	21
83	Chloride diffusion models for Type I and fly ash cement concrete exposed to field and laboratory conditions. <i>Marine Structures</i> , 2021, 76, 102900.	1.6	21
84	Utilization of Portland cement with limestone powder and cement kiln dust for stabilization/solidification of oil-contaminated marl soil. <i>Environmental Science and Pollution Research</i> , 2021, 28, 3196-3216.	2.7	21
85	Molecular Simulation of Cement-Based Materials and Their Properties. <i>Engineering</i> , 2022, 15, 165-178.	3.2	21
86	Performance tests of external moderators of a PGNA setup. <i>Applied Radiation and Isotopes</i> , 2003, 58, 27-38.	0.7	20
87	Performance of blended cement concretes prepared with constant workability. <i>Cement and Concrete Composites</i> , 2011, 33, 90-102.	4.6	20
88	Estimation of minimum detectable concentration of chlorine in the blast furnace slag cement concrete. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 1-6.	0.6	20
89	Impact of Slag Content and Curing Methods on the Strength of Alkaline-Activated Silico-Manganese Fume/Blast Furnace Slag Mortars. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 8325-8335.	1.7	20
90	Detection of chloride in reinforced concrete using a dualpulsed laser-induced breakdown spectrometer system: comparative study of the atomic transition lines of Cl I at 59485 and 83759Ånm. <i>Applied Optics</i> , 2011, 50, 3488.	2.1	19

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91	Impact of Al(OH) ₃ addition to POFA on the compressive strength of POFA alkali-activated mortar. Construction and Building Materials, 2018, 190, 65-82.	3.2	19
92	Prediction of Properties of Concrete Cured Under Hot Weather Using Multivariate Regression and ANN Models. Arabian Journal for Science and Engineering, 2020, 45, 4111-4123.	1.7	19
93	Performance of Different Grades of Palm Oil Fuel Ash with Ground Slag as Base Materials in the Synthesis of Alkaline Activated Mortar. Journal of Advanced Concrete Technology, 2014, 12, 378-387.	0.8	17
94	Development of a concrete set retarder utilizing electric arc furnace dust. Construction and Building Materials, 2020, 255, 119378.	3.2	17
95	Detection efficiency of low levels of boron and cadmium with a LaBr ₃ :Ce scintillation detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 665, 74-79.	0.7	16
96	Response tests of a LaCl ₃ :Ce scintillation detector with low energy prompt gamma rays from boron and cadmium. Applied Radiation and Isotopes, 2012, 70, 882-887.	0.7	16
97	Characterization, Processing, and Application of Heavy Fuel Oil Ash, an Industrial Waste Material "A Review. Chemical Record, 2020, 20, 1568-1595.	2.9	16
98	Magnesium sulfate resistance of alkali/slag activated silico-manganese fume-based composites. Construction and Building Materials, 2020, 265, 120851.	3.2	16
99	EVALUATION OF REPAIR MATERIALS FOR FUNCTIONAL IMPROVEMENT OF SLABS AND BEAMS WITH CORRODED REINFORCEMENT.. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 1997, 122, 27-34.	0.4	15
100	Chloride-induced reinforcement corrosion in blended cement concretes exposed to chloride-sulphate environments. Magazine of Concrete Research, 2002, 54, 355-364.	0.9	15
101	Synthesis of Alkali-Activated Binary Blended Silico-Manganese Fume and Ground Blast Furnace Slag Mortar. Journal of Advanced Concrete Technology, 2019, 17, 728-735.	0.8	15
102	Stabilization and Solidification of Oil-Contaminated Sandy Soil Using Portland Cement and Supplementary Cementitious Materials. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	15
103	Evolution of room-cured alkali-activated silicomanganese fume-based green mortar designed using Taguchi method. Construction and Building Materials, 2021, 307, 124970.	3.2	15
104	Improvement of concrete durability using nanocomposite coating prepared by mixing epoxy coating with Submicron/Nano-carbon obtained from heavy fuel oil ash. Construction and Building Materials, 2022, 325, 126812.	3.2	15
105	Temperature effect on the pore solution chemistry in contaminated cements. Magazine of Concrete Research, 1997, 49, 5-14.	0.9	14
106	Plastic shrinkage cracking of blended cement concretes in hot environments. Magazine of Concrete Research, 1999, 51, 241-246.	0.9	14
107	Prompt gamma-ray analysis of chlorine in superpozz cement concrete. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 693, 67-73.	0.7	14
108	Macro- and Micro-Properties of Engineered Cementitious Composites (ECCs) Incorporating Industrial Waste Materials: A Review. Arabian Journal for Science and Engineering, 2020, 45, 7869-7895.	1.7	14

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109	Influence of pore structure on the properties of green concrete derived from natural pozzolan and nanosilica. <i>Journal of Sustainable Cement-Based Materials</i> , 2020, 9, 233-257.	1.7	14
110	Preparation of submicron-/nano-carbon from heavy fuel oil ash and its corrosion resistance performance as composite epoxy coating. <i>Journal of Cleaner Production</i> , 2021, 319, 128735.	4.6	14
111	POFA-Engineered Alkali-activated Cementitious Composite Performance in Acid Environment. <i>Journal of Advanced Concrete Technology</i> , 2017, 15, 684-699.	0.8	13
112	Influence of in-situ casting temperature and curing regime on the properties of blended cement concretes under hot climatic conditions. <i>Construction and Building Materials</i> , 2021, 272, 121865.	3.2	13
113	Effects of key factors on the compressive strength of metakaolin and limestone powder-based alkali-activated concrete mixtures: An experimental and statistical study. <i>Case Studies in Construction Materials</i> , 2022, 16, e00915.	0.8	12
114	Effect of field and laboratory curing on the durability characteristics of plain and pozzolan concretes. <i>Cement and Concrete Composites</i> , 1992, 14, 169-177.	4.6	11
115	Performance of plain and blended cements exposed to high sulphate concentrations. <i>Advances in Cement Research</i> , 2007, 19, 167-175.	0.7	11
116	Low energy prompt gamma-ray tests of a large volume BGO detector. <i>Applied Radiation and Isotopes</i> , 2012, 70, 222-226.	0.7	11
117	Prompt gamma ray evaluation for chlorine analysis in blended cement concrete. <i>Applied Radiation and Isotopes</i> , 2014, 94, 8-13.	0.7	11
118	Evaluation of Slag-Blended Alkaline-Activated Palm Oil Fuel Ash Mortar Exposed to the Sulfuric Acid Environment. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	1.3	11
119	Lime-activation of natural pozzolan for use as supplementary cementitious material in concrete. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101602.	3.5	11
120	Compliance criteria for quality concrete. <i>Construction and Building Materials</i> , 2008, 22, 1029-1036.	3.2	10
121	Stabilisation of dune sand using electric arc furnace dust. <i>International Journal of Pavement Engineering</i> , 2017, 18, 513-520.	2.2	10
122	Effect of abrasion and chemical treatment of recycled aggregate on the workability, strength, and durability properties of concrete. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 3276-3291.	1.0	10
123	Effect of silica fume inclusion on the strength, shrinkage and durability characteristics of natural pozzolan-based cement concrete. <i>Case Studies in Construction Materials</i> , 2022, 17, e01255.	0.8	10
124	Performance evaluation of repair systems under varying exposure conditions. <i>Cement and Concrete Composites</i> , 2005, 27, 885-897.	4.6	9
125	Prompt gamma analysis of fly ash, silica fume and Superpozz blended cement concrete specimen. <i>Applied Radiation and Isotopes</i> , 2009, 67, 1707-1710.	0.7	9
126	Effect of silica fume addition on the PGNA measurement of chlorine in concrete. <i>Applied Radiation and Isotopes</i> , 2010, 68, 412-417.	0.7	9

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127	Influence of mix composition on the properties of recycled aggregate concrete. <i>Structural Concrete</i> , 2021, 22, 2939-2951.	1.5	9
128	Effect of Thermal Variations on Bond Strength of Fusion-Bonded Epoxy-Coated Bars. <i>Cement, Concrete and Aggregates</i> , 1998, 20, 163-168.	0.1	9
129	Chloride diffusion models for plain and blended cement concretes exposed to laboratory and atmospheric marine conditions. <i>Journal of Materials Research and Technology</i> , 2022, 17, 125-138.	2.6	9
130	Evaluation of a surface coating in retarding reinforcement corrosion. <i>Construction and Building Materials</i> , 1996, 10, 507-513.	3.2	8
131	Effect of holidays and surface damage to FBEC on reinforcement corrosion. <i>Construction and Building Materials</i> , 1998, 12, 185-193.	3.2	8
132	Search of a prompt gamma ray for chlorine analysis in a Portland cement sample. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 533, 591-597.	0.7	8
133	Effect of the Key Mixture Parameters on Shrinkage of Reactive Powder Concrete. <i>Scientific World Journal, The</i> , 2014, 2014, 1-8.	0.8	8
134	Properties of natural pozzolan-based geopolymer concrete: effects of natural pozzolan content, type of alkaline activator, and silicate/alkali ratio. <i>European Journal of Environmental and Civil Engineering</i> , 2023, 27, 356-373.	1.0	8
135	Changes in the phase composition in OPC and blended cement mortars due to carbonation. <i>Advances in Cement Research</i> , 1996, 8, 167-173.	0.7	7
136	Response of a PGNA setup for pozzolan-based cement concrete specimens. <i>Applied Radiation and Isotopes</i> , 2010, 68, 635-638.	0.7	7
137	Sensitivity enhancement at 594.8 nm atomic transition of Cl I for chloride detection in the reinforced concrete using LIBS. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 198-203.	0.9	7
138	Strength and Microstructural Performance of Nano-SiO ₂ Gel (NSG) Infused Alkaline Activated Ground Blast Furnace Slag-Ultrafine Palm Oil Fuel Ash (AAGU) Based Mortar. <i>Advanced Materials Research</i> , 0, 856, 280-284.	0.3	7
139	Pulse height tests of a large diameter fast LaBr ₃ :Ce scintillation detector. <i>Applied Radiation and Isotopes</i> , 2015, 104, 224-231.	0.7	7
140	Chemical Resistance and Mechanical Properties of Glass Fiber Reinforced Plastic Pipes for Oil, Gas, and Power-Plant Applications. <i>Journal of Composites for Construction</i> , 2016, 20, .	1.7	7
141	Geotechnical Properties of Plastic Marl Contaminated with Diesel. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 5573-5583.	1.7	7
142	Corrosion behaviour of carbon steel and corrosion resistant steel under elevated temperature and chloride concentration in simulated concrete pore solution. <i>European Journal of Environmental and Civil Engineering</i> , 2021, 25, 452-467.	1.0	7
143	Experimental and Modelling of Alkali-Activated Mortar Compressive Strength Using Hybrid Support Vector Regression and Genetic Algorithm. <i>Materials</i> , 2021, 14, 3049.	1.3	7
144	Preparation, Characterization, and Evaluation of the Anticorrosion Performance of Submicron/Nanocarbon from Jute Sticks. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3914-3930.	1.7	7

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145	Evaluation of the Effect of Exposure Duration and Fiber Content on the Mechanical Properties of Polypropylene Fiber-Reinforced UHPC Exposed to Sustained Elevated Temperature. <i>Journal of Testing and Evaluation</i> , 2020, 48, 20180687.	0.4	7
146	Effect of rebar cleanliness and repair materials on reinforcement corrosion and flexural strength of repaired concrete beams. <i>Cement and Concrete Composites</i> , 2002, 24, 139-149.	4.6	6
147	Assessing concrete density using infrared thermographic (IRT) images. <i>Infrared Physics and Technology</i> , 2012, 55, 442-448.	1.3	6
148	Mechanical properties, durability characteristics and shrinkage of plain cement and fly ash concretes subjected to accelerated carbonation curing. <i>Journal of the South African Institution of Civil Engineering</i> , 2019, 61, 73-81.	0.3	6
149	Performance of austenitic stainless steels in MSF desalination plant flash chambers in the arabian gulf. <i>Desalination</i> , 1990, 78, 327-341.	4.0	5
150	Chlorine detection in fly ash concrete using a portable neutron generator. <i>Applied Radiation and Isotopes</i> , 2012, 70, 1671-1674.	0.7	5
151	A Simple and Reliable Setup for Monitoring Corrosion Rate of Steel Rebars in Concrete. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10.	0.8	5
152	Mechanical properties and durability characteristics of SCC incorporating crushed limestone powder. <i>Journal of Sustainable Cement-Based Materials</i> , 2015, 4, 176-193.	1.7	5
153	Chlorine signal attenuation in concrete. <i>Applied Radiation and Isotopes</i> , 2015, 105, 6-10.	0.7	5
154	Influence of accelerated carbonation curing on the properties of self-compacting concrete mixtures containing different mineral fillers. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 76-93.	1.0	5
155	Influence of Silica Modulus and Curing Temperature on the Strength of Alkali-Activated Volcanic Ash and Limestone Powder Mortar. <i>Materials</i> , 2021, 14, 5204.	1.3	5
156	Effect of Cement Replacement, Content, and Type on the Durability Performance of Fly Ash Concrete in the Middle East. <i>Cement, Concrete and Aggregates</i> , 1986, 8, 86-96.	0.1	5
157	Cost-effective treatment of crumb rubber to improve the properties of crumb-rubber concrete. <i>Case Studies in Construction Materials</i> , 2022, 16, e00881.	0.8	5
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