

CITATION REPORT

List of articles citing

Compressive strength and pore structure of high-performance concrete after exposure to high temperature up to 800°C

DOI: 10.1016/s0008-8846(99)00240-9

Cement and Concrete Research, 2000, 30, 247-251.

Source: <https://exaly.com/paper-pdf/31308459/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
231	Effect of heating and cooling regimes on residual strength and microstructure of normal strength and high-performance concrete. <i>Cement and Concrete Research</i> , 2000 , 30, 379-383	10.3	92
230	Permeability and pore structure evolution of silicocalcareous and hematite high-strength concretes submitted to high temperatures. <i>Materials and Structures/Materiaux Et Constructions</i> , 2001 , 34, 619-628	3.4	50
229	Effect of drying on cement-based materials pore structure as identified by mercury intrusion porosimetry. <i>Cement and Concrete Research</i> , 2001 , 31, 1467-1477	10.3	431
228	Strength and durability performance of HPC incorporating pozzolans at elevated temperatures. 2002 , 20, 123-128		5
227	Elastic modulus changes in cementitious materials submitted to thermal treatments up to 1000°C. 2002 , 14, 169-177		28
226	Effect of elevated temperatures on the residual mechanical properties of high-performance mortar. <i>Cement and Concrete Research</i> , 2002 , 32, 809-816	10.3	66
225	Flexural and Split Cylinder Strengths of HSC at Elevated Temperatures. 2003 , 39, 47-61		2
224	Design of high-strength concrete members: state-of-the-art. 2003 , 5, 1-15		25
223	Carbonation of Concrete Containing Mineral Admixtures. 2003 , 15, 134-143		131
222	Residual strength of hybrid-fiber-reinforced high-strength concrete after exposure to high temperatures. <i>Cement and Concrete Research</i> , 2004 , 34, 1065-1069	10.3	229
221	Compressive strength/color change relation in mortars at high temperature. <i>Cement and Concrete Research</i> , 2004 , 34, 1803-1807	10.3	105
220	Compressive behavior of fiber reinforced high-performance concrete subjected to elevated temperatures. <i>Cement and Concrete Research</i> , 2004 , 34, 2215-2222	10.3	252
219	The effect of temperature on strength /porosity relationship for concrete. <i>Construction and Building Materials</i> , 2004 , 18, 529-534	6.7	48
218	Effect of a carboxylic acid on the rheological behavior of an aluminous cement paste and consequences on the properties of the hardened material. 2005 , 25, 1143-1147		18
217	Mechanical properties and microstructure of high strength concrete containing polypropylene fibres exposed to temperatures up to 200 °C. <i>Cement and Concrete Research</i> , 2005 , 35, 2192-2198	10.3	146
216	Heat effects on cements produced with GBSF and SS additives. 2006 , 41, 7130-7140		5
215	Macro- and Microstructural Investigations on Strength and Durability of Pumice Concrete at High Temperature. 2006 , 18, 527-536		19

214	Assessment and Repair of Fire-Damaged High-Strength Concrete: Strength and Durability. 2007 , 19, 462-469		11
213	Compressive strength of heated high-strength concrete. 2007 , 59, 79-85		9
212	Fire effect on chloride ingress related durability of concrete structure. 2007 , 8, 675-681		6
211	Spalling and mechanical properties of fiber reinforced high-performance concrete subjected to fire. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2008 , 23, 743-749	1	13
210	Performance of lightweight concrete with silica fume after high temperature. <i>Construction and Building Materials</i> , 2008 , 22, 2124-2129	6.7	71
209	The effect of high temperature on compressive strength and splitting tensile strength of structural lightweight concrete containing fly ash. <i>Construction and Building Materials</i> , 2008 , 22, 2269-2275	6.7	134
208	Repair of heat-damaged RC shallow beams using advanced composites. <i>Materials and Structures/Materiaux Et Constructions</i> , 2008 , 41, 287-299	3.4	30
207	Improving strength, drying shrinkage, and pore structure of concrete using metakaolin. <i>Materials and Structures/Materiaux Et Constructions</i> , 2008 , 41, 937-949	3.4	169
206	A comparison study of porosity and compressive strength mathematical models with image analysis. 2008 , 43, 974-979		47
205	Effect of temperature, carbon fibers, and silica fume on the mechanical properties of lightweight concretes. 2008 , 23, 339-344		48
204	Effect of elevated temperatures and cooling regimes on normal strength concrete. 2009 , 33, 79-88		60
203	Fuzzy logic model for prediction of mechanical properties of lightweight concrete exposed to high temperature. 2009 , 30, 2205-2210		36
202	Effect of high temperature on strength and microstructural properties of cemented paste backfill. 2009 , 44, 642-651		94
201	Residual bond strength between steel bars and concrete after elevated temperatures. 2009 , 44, 854-859		81
200	Statistical analysis for mechanical properties of polypropylene fiber reinforced lightweight concrete containing silica fume exposed to high temperature. 2009 , 30, 3252-3258		60
199	Comparison of compressive and splitting tensile strength of high-strength concrete with and without polypropylene fibers heated to high temperatures. 2009 , 44, 1015-1022		170
198	Experiment investigation for dynamic behavior of hybrid fiber effects on reactive powder concrete. 2009 ,		
197	Effect of elevated temperature on the mechanical properties of concrete produced with finely ground pumice and silica fume. 2010 , 45, 385-391		140

196	On Durability of SHCC. 2010 , 8, 261-271		14
195	Investigation on Toughness of Fibre Cocktail Reinforced Self Consolidating Concrete after High Temperature. 2010 , 650, 67-77		1
194	Innovative Computing and Information. 2011 ,		
193	Fibras de polipropileno e sua influência no comportamento de concretos expostos a altas temperaturas: revisã. 2011 , 57, 22-31		2
192	Study on residual behaviour and flexural toughness of fibre cocktail reinforced self compacting high performance concrete after exposure to high temperature. <i>Construction and Building Materials</i> , 2011 ,	6.7	8
191	Influence of high temperature on the properties of concretes made with industrial by-products as fine aggregate replacement. <i>Construction and Building Materials</i> , 2011 , 25, 967-972	6.7	61
190	The structural behavior and simplified thermal analysis of normal-strength and high-strength concrete beams under fire. 2011 , 33, 1123-1132		45
189	Study on the Properties of Ground Limestone-High Alumina Cement Gelation System. 2011 , 317-319, 489-497		
188	Effect of Fly Ash and PVA Fiber on Microstructural Damage and Residual Properties of Engineered Cementitious Composites Exposed to High Temperatures. 2011 , 23, 1735-1745		119
187	Behavior of HSC with Polypropylene Fibers after Exposure to High Temperatures. 2011 , 99-100, 994-999		
186	The influence of water absorption and porosity on the deterioration of cement paste and concrete exposed to elevated temperatures, as in a fire event. 2012 , 34, 1067-1074		53
185	Optimization of Post-Fire Residual Compressive Strength of Concrete by Taguchi Method. 2012 , 3, 169-180		6
184	Durability of strain-hardening cement-based composites (SHCC). <i>Materials and Structures/Materiaux Et Constructions</i> , 2012 , 45, 1447-1463	3.4	78
183	Characterisation of the behaviour of high performance mortar subjected to high temperatures. <i>Construction and Building Materials</i> , 2012 , 28, 176-186	6.7	37
182	Several properties of mineral admixed lightweight mortars at elevated temperatures. 2013 , 37, 337-349		17
181	Review of concrete performance at elevated temperature and hot sodium exposure applications in nuclear industry. 2013 , 258, 76-88		24
180	An experimental study on the residual mechanical properties of fiber reinforced concrete with high temperature and load. <i>Materials and Structures/Materiaux Et Constructions</i> , 2013 , 46, 607-620	3.4	28
179	Variance analysis of crack characteristics of structural lightweight concrete containing silica fume exposed to high temperature. <i>Construction and Building Materials</i> , 2013 , 47, 1154-1159	6.7	20

178	Effect of cooling regimes on compressive strength of concrete with lightweight aggregate exposed to high temperature. <i>Construction and Building Materials</i> , 2013 , 41, 21-25	6.7	39
177	Microstructural examination of concrete exposed to elevated temperature by using plane polarized transmitted light method. <i>Construction and Building Materials</i> , 2013 , 48, 772-779	6.7	17
176	Thermo-physical properties of concrete exposed to high temperature. <i>Construction and Building Materials</i> , 2013 , 45, 157-161	6.7	33
175	The effect of cement dosage on mechanical properties of concrete exposed to high temperatures. 2013 , 55, 160-167		39
174	Multi-response optimization of post-fire residual compressive strength of high performance concrete. <i>Construction and Building Materials</i> , 2013 , 38, 265-273	6.7	37
173	The influence of thermal-stressing (up to 1000°C) on the physical, mechanical, and chemical properties of siliceous-aggregate, high-strength concrete. <i>Construction and Building Materials</i> , 2013 , 42, 248-265	6.7	85
172	Experimental Study on Mechanical Properties of Steel Fiber Reinforced High Performance Concrete. 2013 , 859, 56-59		3
171	HPC Subjected to High Temperature: A Study on Intrinsic and Mechanical Damage. 2014 , 629-630, 239-244		6
170	Effect of elevated temperature on the mechanical properties of high-volume GGBS concrete. 2014 , 66, 1277-1285		3
169	Microstructure and mechanical properties of RPC containing PP fibres at elevated temperatures. 2014 , 66, 397-408		55
168	Stress-Strain Behaviour of Normal Compacting and Self Compacting Concrete Under Elevated Temperatures. 2014 , 5, 63-76		11
167	Basic study of an estimation method for fire damage within concrete sample using high-intensity ultrasonic waves and optical equipment. 2014 , 53, 07KC16		17
166	Impact of High Temperature on the Compressive Strength of ECC. 2014 , 2014, 1-7		12
165	Micro- and nano-scale characterization to study the thermal degradation of cement-based materials. 2014 , 92, 15-25		41
164	Geopolymer foam concrete: An emerging material for sustainable construction. <i>Construction and Building Materials</i> , 2014 , 56, 113-127	6.7	414
163	Post-fire behavior of structural lightweight concrete designed by Taguchi method. <i>Construction and Building Materials</i> , 2014 , 68, 565-571	6.7	16
162	Effect of cyclic loadings on heated self-compacting concrete. <i>Construction and Building Materials</i> , 2014 , 69, 26-31	6.7	6
161	Effect of elevated temperature on the properties of geopolymer synthesized from calcined ore-dressing tailing of bauxite and ground-granulated blast furnace slag. <i>Construction and Building Materials</i> , 2014 , 69, 41-48	6.7	58

160	Specimen size effect on the residual properties of engineered cementitious composites subjected to high temperatures. 2014 , 45, 1-8		38
159	Impact of complex additive consisting of continuous basalt fibres and SiO ₂ microdust on strength and heat resistance properties of autoclaved aerated concrete. <i>Construction and Building Materials</i> , 2014 , 50, 718-726	6.7	17
158	Fracture characteristics of refractory composites containing metakaolin and ceramic fibers. 2015 , 7, 168781401557361		
157	The detection of high-strength concrete exposed to high temperatures using infrared thermal imaging technique. 2015 , 19, S1-162-S1-167		3
156	An experimental investigation of the thermal spalling of polypropylene-fibered reactive powder concrete exposed to elevated temperatures. 2015 , 60, 2022-2040		43
155	Evaluation of mechanical properties of steel-fibre-reinforced concrete exposed to high temperatures by double-punch test. <i>Construction and Building Materials</i> , 2015 , 79, 182-191	6.7	44
154	Application of Taguchi method for optimization of concrete strengthened with polymer after high temperature. <i>Construction and Building Materials</i> , 2015 , 79, 97-103	6.7	46
153	Multiscale carbon nanosphere-carbon fiber reinforcement for cement-based composites with enhanced high-temperature resistance. 2015 , 50, 2038-2048		28
152	Determination of the softening curve and fracture toughness of high-strength concrete exposed to high temperature. 2015 , 149, 156-169		28
151	Residual compressive properties of strain-hardening cementitious composite with different curing ages exposed to high temperature. <i>Construction and Building Materials</i> , 2015 , 98, 146-155	6.7	26
150	Mechanical Properties of Steel-polypropylene Fibre Reinforced Concrete Under Elevated Temperature. 2015 , 125, 818-824		26
149	Experimental Study on Hydraulic and Macro-Mechanical Property of a Mortar under Heating and Cooling Treatment. 2016 , 14, 261-270		6
148	Influence of mineral admixtures on mechanical properties of self-compacting concrete under elevated temperature. 2016 , 40, 940-958		8
147	Durability of Ordinary Concrete after Heating at High Temperature. 2016 , 711, 428-435		3
146	Fracture properties of high-strength/high-performance concrete (HSC/HPC) exposed to high temperature. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 4517-4532	3.4	23
145	Effects of elevated temperature and water quenching on strength and microstructure of mortars with river sand substitutes. <i>Construction and Building Materials</i> , 2016 , 114, 688-698	6.7	19
144	Experimental Studies on the Fire Behaviour of High Performance Concrete Thin Plates. 2016 , 52, 683-705		4
143	Comparison of compressive and splitting tensile strength of autoclaved aerated concrete (AAC) containing water hyacinth and polypropylene fibre subjected to elevated temperatures. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 1455-1468	3.4	9

142	Impact of High Temperature on Residual Properties of Concrete with Steel Slag Aggregate. 2016 , 28, 04016013		15
141	Experimental Study on Compressive Strength Recovery Effect of Fire-damaged High Strength Concrete after Realkalisation Treatment. 2016 , 135, 476-481		9
140	Properties of pumice aggregate concretes at elevated temperatures and comparison with ANN models. 2017 , 41, 142-153		8
139	Bond Behavior between NSM CFRP Strips and Concrete Exposed to Elevated Temperature Using Cement-Based and Epoxy Adhesives. 2017 , 21, 04017033		16
138	Modelling of NSM CFRP strips embedded in concrete after exposure to elevated temperature using epoxy adhesives. <i>Construction and Building Materials</i> , 2017 , 148, 155-166	6.7	5
137	High temperature and residual properties of reactive powder concrete [A review]. <i>Construction and Building Materials</i> , 2017 , 147, 339-351	6.7	99
136	Effects of cement dosage and cooling regimes on the compressive strength of concrete after post-fire-curing from 800 °C. <i>Construction and Building Materials</i> , 2017 , 142, 208-220	6.7	23
135	Green concrete: Prospects and challenges. <i>Construction and Building Materials</i> , 2017 , 156, 1063-1095	6.7	144
134	Transport properties of high volume fly ash or slag concrete exposed to high temperature. <i>Construction and Building Materials</i> , 2017 , 152, 898-906	6.7	39
133	Influence of high temperature on post-peak cyclic response of fly ash concrete under direct tension. <i>Construction and Building Materials</i> , 2017 , 154, 399-410	6.7	6
132	Experimental and numerical study of strengthening of heat-damaged RC beams using NSM CFRP strips. <i>Construction and Building Materials</i> , 2017 , 154, 899-913	6.7	20
131	The ability of high performance concrete to resist high temperature. 2017 , 8, 392-401		1
130	Fibers and fiber cocktails to improve fire resistance of concrete. 2017 , 128, 1453-1461		8
129	Investigation on the behaviour of ternary blended concrete with scba and sf. 2017 , 263, 032012		9
128	Mechanical behavior of steel fiber-reinforced self-compacting concrete corbels after exposure to elevated temperatures. <i>Structural Concrete</i> , 2018 , 19, 1881-1894	2.6	11
127	Experimental study on mechanical property and pore structure of concrete for shotcrete use in a hot-dry environment of high geothermal tunnels. <i>Construction and Building Materials</i> , 2018 , 173, 124-135	6.7	35
126	Adverse effects of high temperatures and freeze-thaw cycles on properties of HFRHSCs containing silica fume and metakaolin. <i>Construction and Building Materials</i> , 2018 , 174, 507-519	6.7	6
125	Impact behavior and microstructure of cement mortar incorporating waste carpet fibers after exposure to high temperatures. 2018 , 187, 222-236		22

124	Effect of High Temperature in Concrete for Different Mineral Additives and Rates. 2018 , 22, 1288-1294		11
123	Alkali activated waste fly ash as sustainable composite: Influence of curing and pozzolanic admixtures on the early-age physico-mechanical properties and residual strength after exposure at elevated temperature. 2018 , 132, 161-169		46
122	Performance of heat-damaged partially-insulated RC beams strengthened with NSM CFRP strips and epoxy adhesive. <i>Construction and Building Materials</i> , 2018 , 159, 617-634	6.7	9
121	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). <i>Construction and Building Materials</i> , 2018 , 192, 450-466	6.7	19
120	Investigation on Thermal Conductivity of Steel Fiber Reinforced Concrete Using Mesoscale Modeling. 2018 , 39, 1		5
119	Effect of alkali cation type on strength endurance of fly ash geopolymers subject to high temperature exposure. 2018 , 154, 8-19		55
118	Conductivity of ionically-conductive mortar under repetitive electrical heating. <i>Construction and Building Materials</i> , 2018 , 173, 730-739	6.7	8
117	Development of ultra-high performance concrete with high fire resistance. <i>Construction and Building Materials</i> , 2018 , 179, 400-412	6.7	44
116	Prediction of the Strength Properties of Carbon Fiber-Reinforced Lightweight Concrete Exposed to the High Temperature Using Artificial Neural Network and Support Vector Machine. 2018 , 2018, 1-10		15
115	Experimental study on mechanical and microstructural properties of cement-based paste for shotcrete use in high-temperature geothermal environment. <i>Construction and Building Materials</i> , 2018 , 174, 603-612	6.7	21
114	Mechanical properties and electromagnetic radiation characteristics of concrete specimens after exposed to elevated temperatures. <i>Construction and Building Materials</i> , 2018 , 188, 381-390	6.7	18
113	Effect of cryogenic temperature on the flexural and cracking behaviors of ultra-high-performance fiber-reinforced concrete. 2018 , 93, 75-85		14
112	Effect of elevated temperatures on concrete incorporating ferronickel slag as fine aggregate. 2019 , 43, 8-21		21
111	Effects of elevated temperature on high performance concrete incorporating of metakaolin and garnet. 2019 , 220, 012035		
110	A critical review of geopolymer properties for structural fire-resistance applications. <i>Construction and Building Materials</i> , 2019 , 221, 514-526	6.7	109
109	Characterization and analysis on micro-hardness and microstructure evolution of brass subjected to laser shock peening. 2019 , 115, 325-330		13
108	Mechanical Behavior of Fiber-Reinforced Self-Compacting Rubberized Concrete Exposed to Elevated Temperatures. 2019 , 31, 04019302		15
107	Self-healing capability of ultra-high-performance fiber-reinforced concrete after exposure to cryogenic temperature. 2019 , 104, 103335		23

106	Fiber-reinforced lightweight self-compacting concrete incorporating scoria aggregates at elevated temperatures. <i>Structural Concrete</i> , 2019 , 20, 1022-1035	2.6	21
105	Performance of High Strength Concrete Subjected to Elevated Temperatures: A Review. 2019 , 55, 1571-1597		12
104	Influence of particle size of glass aggregates on the high temperature properties of dry-mix concrete blocks. <i>Construction and Building Materials</i> , 2019 , 209, 522-531	6.7	24
103	Thermal Path Reconstruction for Reinforced Concrete Under Fire. 2019 , 55, 1451-1475		4
102	Influence of surrounding rock temperature on mechanical property and pore structure of concrete for shotcrete use in a hot-dry environment of high-temperature geothermal tunnel. <i>Construction and Building Materials</i> , 2019 , 207, 329-337	6.7	37
101	On the post-heat performance of cement mortar containing silica fume or Granulated Blast-Furnace Slag. <i>Journal of Building Engineering</i> , 2019 , 24, 100757	5.2	4
100	Performance of Nano-Silica Modified Self-Compacting Glass Mortar at Normal and Elevated Temperatures. 2019 , 12,		1
99	Influence of Cooling Methods on the Residual Mechanical Behavior of Fire-Exposed Concrete: An Experimental Study. 2019 , 12,		2
98	Effect of moisture content and porosity on compressive strength of concrete during drying at 105 °C. <i>Construction and Building Materials</i> , 2019 , 195, 19-27	6.7	17
97	High temperature resistance of concretes with GGBFS, waste glass powder, and colemanite ore wastes after different cooling conditions. <i>Construction and Building Materials</i> , 2019 , 196, 66-81	6.7	18
96	An experimental fire-spalling assessment procedure for concrete mixtures. <i>Construction and Building Materials</i> , 2020 , 232, 117172	6.7	4
95	Tunnel fire resistance of self-compacting concrete coated with SiO ₂ aerogel cement paste under 2.5h HC fire loading. <i>Construction and Building Materials</i> , 2020 , 239, 117857	6.7	7
94	Comparison of Mercury Intrusion Porosimetry and multi-scale X-ray CT on characterizing the microstructure of heat-treated cement mortar. 2020 , 160, 110085		46
93	Weakening Laws of Mechanical Properties of Sandstone Under the Effect of Chemical Corrosion. 2020 , 53, 1857-1877		17
92	Assessment of post-heat behavior of cement mortar incorporating silica fume and granulated blast-furnace slag. 2020 , 11, 221-246		2
91	A machine learning approach to predict explosive spalling of heated concrete. 2020 , 20, 1		7
90	The fractal characteristics of C80 high performance concrete pore structure subject to high temperatures. 2020 , 510, 052016		0
89	Mechanical and micro structural properties of concrete subjected to elevated temperature. 2020 , 33, 626-631		

88	A review of mechanical properties of fibre reinforced concrete at elevated temperatures. <i>Cement and Concrete Research</i> , 2020 , 135, 106117	10.3	57
87	Characterizing and analyzing the residual interfacial behavior of steel fibers embedded into cement-based matrices after exposure to high temperatures. 2020 , 191, 107933		19
86	Effect of Recycled Iron Powder as Fine Aggregate on the Mechanical, Durability, and High Temperature Behavior of Mortars. 2020 , 13,		5
85	Enhancement of Mechanical Properties and Porosity of Concrete Using Steel Slag Coarse Aggregate. 2020 , 13,		4
84	Fiber-reinforced concrete and ultrahigh-performance fiber-reinforced concrete materials. 2020 , 273-314		3
83	Tailoring sodium-based fly ash geopolymers with variegated thermal performance. 2020 , 107, 103507		10
82	A Sensitivity and Robustness Analysis of GPR and ANN for High-Performance Concrete Compressive Strength Prediction Using a Monte Carlo Simulation. 2020 , 12, 830		67
81	Durability of ultra-high performance concrete [A review]. <i>Construction and Building Materials</i> , 2020 , 255, 119296	6.7	73
80	High temperature performance of wet-mix and dry-mix mortars prepared with different contents and size gradings of glass aggregates: Hot test and cold test. 2020 , 108, 103548		4
79	Experimental Study on Damage Evaluation, Pore Structure and Impact Tensile Behavior of 10-Year-Old Concrete Cores After Exposure to High Temperatures. 2020 , 14,		6
78	Heating rate effects on the air-void network in mortars exposed to high temperatures. 2021 , 1-10		
77	Mechanical properties of high strength concrete made with pyrophyllite aggregates exposed to high temperature. <i>Structural Concrete</i> , 2021 , 22, E769	2.6	2
76	Microstructural Changes in Concrete: Postfire Scenario. 2021 , 33, 04020462		7
75	Thermal and mechanical properties of concrete and its constituents at elevated temperatures: A review. <i>Construction and Building Materials</i> , 2021 , 270, 121398	6.7	24
74	The fire resistance of high-strength concrete containing natural zeolites. 2021 , 116, 103897		10
73	Quasi-brittle porous material: Simulated effect of stochastic air void structure on compressive strength. <i>Cement and Concrete Research</i> , 2021 , 139, 106255	10.3	2
72	Mechanical and micro-structural properties of perlite powder incorporated SCC. 2021 , 45, 3374-3382		0
71	Research on the Thermal Properties of Fireplace Concrete Materials Containing Various Mineral Aggregates Enriched by Organic and Inorganic Fibers. 2021 , 14,		0

70	Rice Husk Ash-Based Concrete Composites: A Critical Review of Their Properties and Applications. 2021 , 11, 168		25
69	GER° DİNİTİRİMBETON AGREGASI KULLANILARAK BET°LEN HARİARDA YKSEK SICAKLIK ETK°S°N°N ARAIRILMASI. 2021 , 9, 108-115		0
68	Feasibility of Using Recycled Burnt Clay Brick Waste in Cement-Based Mortar: Mechanical Properties, Durability, and Residual Strength After Exposure to Elevated Temperatures. 2021 , 19, 1055-1069		1
67	Examination of mechanical properties and microstructure of alkali activated slag and slag-metakaolin blends exposed to high temperatures. <i>Structural Concrete</i> ,	2.6	1
66	Investigation of physical and mechanical properties of mortars produced by polymer coated perlite aggregate. <i>Journal of Building Engineering</i> , 2021 , 38, 102182	5.2	8
65	Performance of geopolymer tiles in high temperature and saturation conditions. <i>Construction and Building Materials</i> , 2021 , 286, 122994	6.7	44
64	Comparative Study of Supervised Machine Learning Algorithms for Predicting the Compressive Strength of Concrete at High Temperature. 2021 , 14,		19
63	Recycled substance evaluation and effect on fire resistance structures. 2021 ,		1
62	Clinkerless ultra-high strength concrete based on alkali-activated slag at high temperatures. <i>Cement and Concrete Research</i> , 2021 , 145, 106465	10.3	15
61	Physicochemical, Mineralogical, and Mechanical Properties of Calcium Aluminate Cement Concrete Exposed to Elevated Temperatures. 2021 , 14,		6
60	Influence of Portland cement and alkali-activated slag binder on the thermoelectric properties of the p-type composites with MWCNT. <i>Construction and Building Materials</i> , 2021 , 292, 123393	6.7	3
59	Residual Repeated Impact Strength of Concrete Exposed to Elevated Temperatures. 2021 , 11, 941		9
58	Experimental investigation of triaxial strength of ultra-high performance concrete after exposure to elevated temperature. <i>Construction and Building Materials</i> , 2021 , 295, 123689	6.7	6
57	Study on Acoustic Emission Characteristics and Mechanical Behavior of Water-Saturated Coal. 2021 , 2021, 1-7		1
56	Investigation of the Post-Fire Performance and Flexural Behaviour Modeling of FRC Exposed to a Standard Fire. 1-20		2
55	Effect of high temperature on the mechanical properties of concrete reinforced with different fiber contents. <i>Construction and Building Materials</i> , 2021 , 301, 124242	6.7	3
54	Effect of alkali cation type on compressive strength and thermal performance of the alkali-activated omphacite tailing. <i>Construction and Building Materials</i> , 2021 , 306, 124647	6.7	0
53	Behaviour of recycled tyre polymer fibre reinforced concrete at elevated temperatures. 2021 , 124, 104257		4

52	Residual Strength for Concrete after Exposure to High Temperatures. 2011 , 382-390	4
51	Modelling of pH Value for Electrochemical Realkalisation to Repair of Fired-Damaged Reinforced Concrete. 2015 , 04, 94-101	1
50	Effects of Nanosilica Addition on Increased Thermal Stability of Cement-Based Composite. 2015 , 112,	13
49	Uniaxial Dynamic Mechanical Properties Of Tunnel Lining Concrete Under Moderate-Low Strain Rate After High Temperature. 2015 , 61, 35-52	3
48	Numerical Analysis of Segmental Post Tensioned Concrete Beams Exposed to High Fire Temperature. 2019 , 9, 4759-4768	2
47	Compressive Properties of Amorphous Metal Fiber Reinforced Concrete Exposed to high Temperature. 2012 , 12, 183-193	3
46	The Effect of Polypropylene and Steel Fibers on the Properties of Concrete at Normal and Elevated Temperatures A Review. 1	0
45	PRESUMPTION FOR COMPRESSIVE STRENGTH OF HIGH-STRENGTH CONCRETE SUBJECTED TO HIGH TEMPERATURE HEATING. 2002 , 67, 17-21	1
44	A quantitative measurement of concrete air content using image analyses. 2010 , 7, 239-247	1
43	Durability under Thermal Loads. 2011 , 59-71	
42	A Study on the Residual Mechanical Properties of Fiber Reinforced Concrete with High Temperature and Load. 2011 , 23, 321-330	2
41	Fracture toughness of high performance concrete subjected to elevated temperatures Part 1 The effects of heating temperatures and testing conditions (hot and cold). 2014 , 2, 145-162	1
40	Fire Resistance Performance Test of High Strength Concrete by Type of Mineral Admixture. 2015 , 15, 597-605	
39	Influence of Elevated Temperatures. 2017 , 109-118	1
38	Effects of Elevated Temperature for the Marble Cement Paste Products for Better Sustainable Construction.	1
37	Improvement of Safety and Durability of LNG Storage Tank Using Ultra-High-Performance Concrete. 2019 , 19, 275-287	1
36	Performance of Segmental Post-Tensioned Concrete Beams Exposed to High Fire Temperature. 2019 , 9, 4440-4447	0
35	Elastic modulus changes in cementitious materials submitted to thermal treatments up to 1000oC. 2002 , 14, 169-177	

34	Post-fire optimum mechanical properties of self-compacting mortar using Taguchi method and analysis of variance. <i>Construction and Building Materials</i> , 2021 , 315, 125642	6.7	2
33	Characterization and thermal behavior of marble from northwestern Pakistan. 2022 , 7, 1		
32	A convolution-based deep learning approach for estimating compressive strength of fiber reinforced concrete at elevated temperatures. <i>Construction and Building Materials</i> , 2021 , 313, 125437	6.7	2
31	High-temperature properties of cement paste with graphene oxide agglomerates. <i>Construction and Building Materials</i> , 2022 , 320, 126286	6.7	1
30	Cementitious mortars containing pozzolans under elevated temperatures. <i>Structural Concrete</i> ,	2.6	0
29	Life Cycle Assessment and Mechanical Properties of High Strength Steel Fiber Reinforced Concrete Containing Waste Pet Bottle. <i>SSRN Electronic Journal</i> ,	1	0
28	Investigation on factors affecting early strength of high-performance concrete by Gaussian Process Regression.. <i>PLoS ONE</i> , 2022 , 17, e0262930	3.7	1
27	Temperature, porosity and strength relationship for fire affected concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022 , 55, 1	3.4	
26	Influence of fibers on the mechanical properties and durability of ultra-high-performance concrete: A review. <i>Journal of Building Engineering</i> , 2022 , 52, 104370	5.2	4
25	Optimisation Study on Crack Resistance of Tunnel Lining Concrete Under High Ground Temperature Environment. <i>Geotechnical and Geological Engineering</i> , 1	1.5	
24	Life cycle assessment and mechanical properties of high strength steel fiber reinforced concrete containing waste PET bottle. <i>Construction and Building Materials</i> , 2022 , 337, 127553	6.7	0
23	Blast resistance of hybrid steel and polypropylene fibre reinforced ultra-high performance concrete after exposure to elevated temperatures. <i>Composite Structures</i> , 2022 , 115771	5.3	0
22	Behavior of Eccentrically Loaded Hybrid Fiber-Reinforced High Strength Concrete Columns Exposed to Elevated Temperature. <i>Journal of Materials Research and Technology</i> , 2022 ,	5.5	0
21	Mechanical Properties of Hybrid Steel-Polypropylene Fiber Reinforced High Strength Concrete Exposed to Various Temperatures. <i>Fibers</i> , 2022 , 10, 53	3.7	0
20	Experimental Study on Urease Activity and Cementation Characteristics of Soybean. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2022 , 37, 636-644	1	1
19	Change of the Structural Properties of High-Performance Concretes Subjected to Thermal Effects. 2022 , 15, 5753		1
18	Microstructural characterization of ultra-high performance concrete further hydrating in the marine environment. 2022 , 55,		0
17	Mechanical Properties of Alccofine with Low Calcium Silicate Based High-Strength Concrete. 2023 , 493-504		0

16	Degradation of Concrete Structures in Nuclear Power Plants: A Review of the Major Causes and Possible Preventive Measures. 2022 , 15, 8011	1
15	Effects of elevated temperature and water re-curing on fracture process of hybrid fiber reinforced concretes. 2022 , 108885	0
14	Developing a support vector regression model via optimization algorithms to appraise the hardness properties of high-performance concrete.	0
13	Data-driven compressive strength prediction of steel fiber reinforced concrete (SFRC) subjected to elevated temperatures using stacked machine learning algorithms. 2022 , 21, 3777-3794	0
12	Correlation between macroscopic properties and microscopic pore structure in steel-basalt hybrid fibers reinforced cementitious composites subjected to elevated temperatures. 2023 , 365, 129988	0
11	Micro/meso-scale damage analysis of recycled aggregate concrete mixed with glazed hollow beads after high temperatures based on 2D CT images. 2023 , 365, 130063	0
10	Effect of Elevated Temperature on the Properties of Self-Compacting Mortar Containing Nanomaterials and Zircon Sand. 2022 , 2022, 1-18	0
9	Use of Cement Mortar Incorporating Superabsorbent Polymer as a Passive Fire-Protective Layer. 2022 , 14, 5266	1
8	Effects of elevated temperature and water re-curing on the compression behavior of hybrid fiber reinforced concrete. 2023 , 67, 106034	0
7	Behaviour of structural engineered cementitious composites under dynamic tensile loading and elevated temperatures. 2023 , 280, 115739	0
6	Microstructural evolution and dynamic compressive properties of engineered cementitious composites at elevated temperatures. 2023 , 106519	0
5	A state-of-the-art review on high temperature resistance of lightweight aggregate high-strength concrete. 2023 , 69, 106267	0
4	Heat-induced explosive spalling of self-prestressing, self-compacting concrete slabs. 2023 , 372, 130821	1
3	Bond strength of the interface between concrete substrate and overlay concrete containing fly ash exposed to high temperature. 2023 , 49, 183-197	0
2	Behaviour of alkali-activated concrete at elevated temperatures: A critical review. 2023 , 138, 104961	0
1	Fire-induced spalling of ultra-high performance concrete: A systematic critical review. 2023 , 373, 130869	0