

Alkali-activated slag cement and concrete: a review of p

Advances in Cement Research

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Slag Blended Cement and Concrete. HKIE Transactions, 1996, 3, 27-34.	0.1	0
2	Monitoring the early hydration of pozzolanâ€”Ca(OH) ₂ mixtures using electrical methods. Advances in Cement Research, 1998, 10, 161-168.	1.6	14
3	The early hydration of alkali-activated slag: developments in monitoring techniques. Cement and Concrete Composites, 1999, 21, 277-283.	10.7	24
4	Alkali-activated slag mortars. Cement and Concrete Research, 1999, 29, 1313-1321.	11.0	479
5	Alkali-activated slag: hydration process and development of microstructure. Advances in Cement Research, 2000, 12, 163-172.	1.6	15
6	Alkali-activated fly ash/slag cements. Cement and Concrete Research, 2000, 30, 1625-1632.	11.0	705
7	²⁹ Si and ²⁷ Al high-resolution NMR characterization of calcium silicate hydrate phases in activated blast-furnace slag pastes. Cement and Concrete Research, 2001, 31, 993-1001.	11.0	184
8	Ground iron blast furnace slag as a matrix for cellulose-cement materials. Cement and Concrete Composites, 2001, 23, 389-397.	10.7	48
9	A Study on the Practical Recycling of Ready Mixed Concrete Sludge Water to Concrete. Geosystem Engineering, 2001, 4, 89-93.	1.4	1
10	Weathering of vegetable fibre-clinker free cement composites. Materials and Structures/Materiaux Et Constructions, 2002, 35, 64-68.	3.1	10
11	Effects of dosage and modulus of water glass on early hydration of alkaliâ€”slag cements. Cement and Concrete Research, 2002, 32, 1181-1188.	11.0	333
12	Sodium silicate-based, alkali-activated slag mortars. Cement and Concrete Research, 2002, 32, 865-879.	11.0	522
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14	Alkali-activated cement based on natural SiO ₂ -containing material. Cement and Concrete Research, 2003, 33, 1417-1422.	11.0	7
15	Mechanical and durable behaviour of alkaline cement mortars reinforced with polypropylene fibres. Cement and Concrete Research, 2003, 33, 2031-2036.	11.0	265
16	Potential of alternative fibre cements as building materials for developing areas. Cement and Concrete Composites, 2003, 25, 585-592.	10.7	125
17	Pore solution in alkali-activated slag cement pastes. Relation to the composition and structure of calcium silicate hydrate. Cement and Concrete Research, 2004, 34, 139-148.	11.0	287
18	Blast furnace slag cement: a ²⁹ Si and ²⁷ Al NMR study. Comptes Rendus Chimie, 2004, 7, 389-394.	0.5	25

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19	Developments on vegetable fibreâ€‘cement based materials in SÃ£o Paulo, Brazil: an overview. Cement and Concrete Composites, 2005, 27, 527-536.	10.7	255
20	Hydration of mechanically activated granulated blast furnace slag. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2005, 36, 873-883.	2.1	56
21	Effectiveness of new silica fume alkali activator. Cement and Concrete Composites, 2006, 28, 21-25.	10.7	66
22	Carbonation process of alkali-activated slag mortars. Journal of Materials Science, 2006, 41, 3071-3082.	3.7	246
23	Mechanical behavior of cement-based materials reinforced with sisal fibers. Journal of Materials Science, 2006, 41, 6938-6948.	3.7	45
24	Setting and strength characteristics of alkali-activated carbonatite cementitious materials with ground slag replacement. Journal Wuhan University of Technology, Materials Science Edition, 2006, 21, 125-128.	1.0	9
25	Sodium Sulphate Activated GGBS/PFA and Its Potential as a Nuclear Waste Immobilisation Matrix. Materials Research Society Symposia Proceedings, 2006, 932, 1.	0.1	4
26	Thermal Properties of Alkali-activated Slag Subjected to High Temperatures. Journal of Building Physics, 2007, 30, 337-350.	2.4	37
27	Effects of type and dosage of alkaline activator and temperature on the properties of alkali-activated slag mixtures. Construction and Building Materials, 2007, 21, 1463-1469.	7.2	185
28	Probing the microstructure and water phases in composite cement blends. Cement and Concrete Research, 2007, 37, 310-318.	11.0	48
29	Synthesis and heavy metal immobilization behaviors of slag based geopolymer. Journal of Hazardous Materials, 2007, 143, 206-213.	12.4	296
30	Activated fly ash/slag blended cement. Resources, Conservation and Recycling, 2007, 52, 303-313.	10.8	106
31	Effect of High Temperatures on the Properties of Alkali Activated Aluminosilicate with Electrical Porcelain Filler. International Journal of Thermophysics, 2008, 29, 693-705.	2.1	36
32	Morphology difference between the alkali activated cement and portland cement paste on multi-scale. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 923-926.	1.0	8
33	Properties of cementless mortars activated by sodium silicate. Construction and Building Materials, 2008, 22, 1981-1989.	7.2	241
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35	Mechanical and hydric properties of alkali-activated aluminosilicate composite with electrical porcelain aggregates. Cement and Concrete Composites, 2008, 30, 266-273.	10.7	19
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42	High performance concrete containing lower slag amount: A complex view of mechanical and durability properties. Construction and Building Materials, 2009, 23, 2237-2245.	7.2	61
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45	Properties of alkali-activated mortar and concrete using lightweight aggregates. Materials and Structures/Materiaux Et Constructions, 2010, 43, 403-416.	3.1	56
46	The encapsulation of Mg(OH) ₂ sludge in composite cement. Cement and Concrete Research, 2010, 40, 452-459.	11.0	12
47	Performance of an alkali-activated slag concrete reinforced with steel fibers. Construction and Building Materials, 2010, 24, 208-214.	7.2	238
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56	The potential for using slags activated with near neutral salts as immobilisation matrices for nuclear wastes containing reactive metals. Journal of Nuclear Materials, 2011, 413, 183-192.	2.7	40
57	Resistance of alkali-activated slag mortar to abrasion and fire. Advances in Cement Research, 2011, 23, 289-297.	1.6	41
58	Research on Set Retarder of High and Super High Strength Alkali -Activated Slag Cement and Concrete. Key Engineering Materials, 2011, 477, 164-169.	0.4	6
59	Effect of Water Content on the Properties of Lightweight Alkali-Activated Slag Concrete. Journal of Materials in Civil Engineering, 2011, 23, 886-894.	2.9	22
60	Performance of alkali-activated slag mortars exposed to acids. Journal of Sustainable Cement-Based Materials, 2012, 1, 138-151.	3.1	90
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70	Generalized Structural Description of Calcium–Sodium Aluminosilicate Hydrate Gels: The Cross-Linked Substituted Tobermorite Model. Langmuir, 2013, 29, 5294-5306.	3.5	383
71	Development of alkali activated cement from mechanically activated silico-manganese (SiMn) slag. Cement and Concrete Composites, 2013, 40, 7-13.	10.7	69
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73	Influence of thermally treated flue gas desulfurization (FGD) gypsum on performance of the slag powder concrete. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 1122-1127.	1.0	10

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93	Effect of Silicate Content on the Properties of Alkali-Activated Blast Furnace Slag Paste. Arabian Journal for Science and Engineering, 2014, 39, 5905-5916.	1.1	26
94	Hydration Products, Morphology and Microstructure of Activated Slag Cement. International Journal of Concrete Structures and Materials, 2014, 8, 61-68.	3.2	22
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97	Engineering properties of cementless concrete produced from GGBFS and recycled desulfurization slag. Construction and Building Materials, 2014, 63, 189-196.	7.2	48
98	Studying the effect of thermal and acid exposure on alkali activated slag Geopolymer. MATEC Web of Conferences, 2014, 11, 01032.	0.2	4
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#	ARTICLE	IF	CITATIONS
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348	Parametric Sensitivity Analysis of High-Strength Self-compacting Alkali-Activated Slag Concrete for Enhanced Microstructural and Mechanical Performance. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 0, , .	1.9	2
349	Effects of copper mining wastewater on the performance of waste-based low-clinker cement mortars. <i>Materials Today Communications</i> , 2023, 37, 107131.	1.9	0
350	Creep Response of Rubberized Alkali-Activated Concrete. <i>Journal of Materials in Civil Engineering</i> , 2023, 35, .	2.9	0
352	Geopolymer-Concrete-Based Eco-Friendly and Fire-Resistant Concrete Structures: Effect of Exposure to High Temperature at Varying Heating Duration. , 0, , .		0
353	A Practical Mix Design Method of Ground Granulated Blast-Furnace Slag-Based One-Part Geopolymer Concrete. <i>Arabian Journal for Science and Engineering</i> , 0, , .	3.0	0
354	Investigation of Affecting Factors on Drying Shrinkage and Compressive Strength of Slag Geopolymer Mortar Mixture. <i>Arabian Journal for Science and Engineering</i> , 0, , .	3.0	0
355	Effect of hybrid polypropylene fibers on mechanical and shrinkage behavior of alkali-activated slag concrete. <i>Construction and Building Materials</i> , 2024, 411, 134485.	7.2	1
356	Characterizing two types of zonation within slag rims of aged alkali-activated slag pastes through SEM and TEM. <i>Cement and Concrete Research</i> , 2024, 176, 107409.	11.0	0
357	Investigation on the compressive strength and durability properties of alkali-activated slag mortar: Effect of superabsorbent polymer dosage and water content. <i>Developments in the Built Environment</i> , 2024, 17, 100322.	4.0	0
358	Effect of Slaked Lime on the Properties of Sodium Sulfate-Activated Alkali-Activated Slag Cement. <i>Processes</i> , 2024, 12, 184.	2.8	0
359	The effect of nano-silica and silica fume on the sodium carbonate-activated slag system containing air pollution control residues. <i>Waste Management</i> , 2024, 176, 52-63.	7.4	1
360	A comprehensive review on compressive strength and microstructure properties of GGBS-based geopolymer binder systems. <i>Construction and Building Materials</i> , 2024, 417, 135242.	7.2	0
361	Understanding the setting behaviours of alkali-activated slag from the dissolution-precipitation point of view. <i>Cement and Concrete Composites</i> , 2024, 148, 105474.	10.7	0
362	Impact of uniaxial strain on physical properties of zigzag graphene nanoribbons with topological defects. <i>Physica Scripta</i> , 2024, 99, 035969.	2.5	0
363	Experimental study of the parameter for predicting the strength of geopolymer concretes based on ground granulated blast furnace slag and fly ash. , 2024, , 13-25.		0
364	Using superabsorbent polymer to mitigate the fast setting and high autogenous shrinkage of carbide slag and sodium silicate activated ultrafine GGBS based composites. <i>Sustainable Chemistry and Pharmacy</i> , 2024, 39, 101550.	3.3	0