

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

Advances in Cement Research

7, 93-102

DOI: [10.1680/adcr.1995.7.27.93](https://doi.org/10.1680/adcr.1995.7.27.93)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Slag Blended Cement and Concrete. HKIE Transactions, 1996, 3, 27-34.	1.9	0
2	Monitoring the early hydration of pozzolanâ€”Ca(OH) ₂ mixtures using electrical methods. Advances in Cement Research, 1998, 10, 161-168.	0.7	14
3	The early hydration of alkali-activated slag: developments in monitoring techniques. Cement and Concrete Composites, 1999, 21, 277-283.	4.6	24
4	Alkali-activated slag mortars. Cement and Concrete Research, 1999, 29, 1313-1321.	4.6	479
5	Alkali-activated slag: hydration process and development of microstructure. Advances in Cement Research, 2000, 12, 163-172.	0.7	15
6	Alkali-activated fly ash/slag cements. Cement and Concrete Research, 2000, 30, 1625-1632.	4.6	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.	4.6	184
8	Ground iron blast furnace slag as a matrix for cellulose-cement materials. Cement and Concrete Composites, 2001, 23, 389-397.	4.6	48
9	A Study on the Practical Recycling of Ready Mixed Concrete Sludge Water to Concrete. Geosystem Engineering, 2001, 4, 89-93.	0.7	1
10	Weathering of vegetable fibre-clinker free cement composites. Materials and Structures/Materiaux Et Constructions, 2002, 35, 64-68.	1.3	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.	4.6	333
12	Sodium silicate-based, alkali-activated slag mortars. Cement and Concrete Research, 2002, 32, 865-879.	4.6	522
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14	Alkali-activated cement based on natural SiO ₂ -containing material. Cement and Concrete Research, 2003, 33, 1417-1422.	4.6	7
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16	Potential of alternative fibre cements as building materials for developing areas. Cement and Concrete Composites, 2003, 25, 585-592.	4.6	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.	4.6	287
18	Blast furnace slag cement: a ²⁹ Si and ²⁷ Al NMR study. Comptes Rendus Chimie, 2004, 7, 389-394.	0.2	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.	4.6	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.	1.0	56
21	Effectiveness of new silica fume alkali activator. Cement and Concrete Composites, 2006, 28, 21-25.	4.6	66
22	Carbonation process of alkali-activated slag mortars. Journal of Materials Science, 2006, 41, 3071-3082.	1.7	246
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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.	1.2	37
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28	Probing the microstructure and water phases in composite cement blends. Cement and Concrete Research, 2007, 37, 310-318.	4.6	48
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30	Activated fly ash/slag blended cement. Resources, Conservation and Recycling, 2007, 52, 303-313.	5.3	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.	1.0	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.	0.4	8
33	Properties of cementless mortars activated by sodium silicate. Construction and Building Materials, 2008, 22, 1981-1989.	3.2	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.	4.6	19
36	Drying and autogenous shrinkage of pastes and mortars with activated slag cement. Cement and Concrete Research, 2008, 38, 565-574.	4.6	410

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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.	3.2	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.	1.3	56
46	The encapsulation of Mg(OH) ₂ sludge in composite cement. Cement and Concrete Research, 2010, 40, 452-459.	4.6	12
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54	Influence of nucleation seeding on the hydration kinetics and compressive strength of alkali activated slag paste. Cement and Concrete Research, 2011, 41, 842-846.	4.6	139

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56	The potential for using slags activated with near neutral salts as immobilisation matrices for nuclear wastes containing reactive metals. <i>Journal of Nuclear Materials</i> , 2011, 413, 183-192.	1.3	40
57	Resistance of alkali-activated slag mortar to abrasion and fire. <i>Advances in Cement Research</i> , 2011, 23, 289-297.	0.7	41
58	Research on Set Retarder of High and Super High Strength Alkali -Activated Slag Cement and Concrete. <i>Key Engineering Materials</i> , 2011, 477, 164-169.	0.4	6
59	Effect of Water Content on the Properties of Lightweight Alkali-Activated Slag Concrete. <i>Journal of Materials in Civil Engineering</i> , 2011, 23, 886-894.	1.3	22
60	Performance of alkali-activated slag mortars exposed to acids. <i>Journal of Sustainable Cement-Based Materials</i> , 2012, 1, 138-151.	1.7	90
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69	Engineering and durability properties of concretes based on alkali-activated granulated blast furnace slag/metakaolin blends. <i>Construction and Building Materials</i> , 2012, 33, 99-108.	3.2	304
70	Generalized Structural Description of Calcium-Sodium Aluminosilicate Hydrate Gels: The Cross-Linked Substituted Tobermorite Model. <i>Langmuir</i> , 2013, 29, 5294-5306.	1.6	383
71	Development of alkali activated cement from mechanically activated silico-manganese (SiMn) slag. <i>Cement and Concrete Composites</i> , 2013, 40, 7-13.	4.6	69
72	The role of alumina on performance of alkali-activated slag paste exposed to 50°C. <i>Cement and Concrete Research</i> , 2013, 54, 143-150.	4.6	28
73	Influence of thermally treated flue gas desulfurization (FGD) gypsum on performance of the slag powder concrete. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 1122-1127.	0.4	10

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81	Effect of Steel Fiber Volume Fraction and Curing Conditions on the Compressive Behavior of Alkali-Activated Slag Concrete. <i>Applied Mechanics and Materials</i> , 0, 525, 491-494.	0.2	0
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89	Mechanical properties and setting time of ferrochrome slag based geopolymer paste and mortar. <i>Construction and Building Materials</i> , 2014, 72, 283-292.	3.2	124
90	Activation of ground granulated blast furnace slag by using calcined dolomite. <i>Construction and Building Materials</i> , 2014, 68, 252-258.	3.2	45
91	Characterisation of Ba(OH) ₂ •Na ₂ SO ₄ •blast furnace slag cement-like composites for the immobilisation of sulfate bearing nuclear wastes. <i>Cement and Concrete Research</i> , 2014, 66, 64-74.	4.6	38

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93	Effect of Silicate Content on the Properties of Alkali-Activated Blast Furnace Slag Paste. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 5905-5916.	1.1	26
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129	Composite properties of high-strength polyethylene fiber-reinforced cement and cementless composites. <i>Composite Structures</i> , 2016, 138, 116-121.	3.1	73
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137	Effect of graphene oxide on the mechanical properties and the formation of layered double hydroxides (LDHs) in alkali-activated slag cement. <i>Construction and Building Materials</i> , 2017, 132, 290-295.	3.2	70
138	Shrinkage mitigation strategies in alkali-activated slag. <i>Cement and Concrete Research</i> , 2017, 101, 131-143.	4.6	126
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#	ARTICLE	IF	CITATIONS
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