

CITATION REPORT

List of articles citing

Hydration of alkali-activated slag: comparison with ordinary Portland cement

DOI: 10.1680/adcr.2006.18.3.119

Advances in Cement Research, 2006, 18, 119-128.

Source: <https://exaly.com/paper-pdf/39754966/citation-report.pdf>

Version: 2024-04-29

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
236	Hydration of alkali-activated slag: thermodynamic modelling. <i>Advances in Cement Research</i> , 2007 , 19, 81-92	1.8	86
235	Hydration mechanisms of super sulphated slag cement. <i>Cement and Concrete Research</i> , 2008 , 38, 983-992	10.3	145
234	Characterisation of calcined paper sludge as an environmentally friendly source of metakaolin for manufacture of cementitious materials. <i>Advances in Cement Research</i> , 2008 , 20, 23-30	1.8	67
233	Life-cycle analysis of geopolymers. 2009 , 194-210		37
232	Geopolymer precursor design. 2009 , 37-49		9
231	Reaction progress of alkaline-activated metakaolin-ground granulated blast furnace slag blends. 2009 , 44, 5609-5617		49
230	Compressive strength and microstructural analysis of unfired clay masonry bricks. 2009 , 109, 230-240		71
229	Unfired clay bricks: from laboratory to industrial production. 2009 , 162, 229-237		14
228	Thermodynamic equilibrium calculations in cementitious systems. 2010 , 43, 1413-1433		117
227	Pore solution composition and alkali diffusion in inorganic polymer cement. <i>Cement and Concrete Research</i> , 2010 , 40, 1386-1392	10.3	219
226	Assessment of phase formation in alkali activated low and high calcium fly ashes in building materials. 2010 , 24, 1086-1093		142
225	Quantification of hydration phases in supersulfated cements: review and new approaches. <i>Advances in Cement Research</i> , 2011 , 23, 265-275	1.8	62
224	Advances in alternative cementitious binders. <i>Cement and Concrete Research</i> , 2011 , 41, 1232-1243	10.3	905
223	Effect of binder content on the performance of alkali-activated slag concretes. <i>Cement and Concrete Research</i> , 2011 , 41, 1-8	10.3	272
222	Influence of activator type on hydration kinetics, hydrate assemblage and microstructural development of alkali activated blast-furnace slags. <i>Cement and Concrete Research</i> , 2011 , 41, 301-310	10.3	489
221	Influence of nucleation seeding on the hydration kinetics and compressive strength of alkali activated slag paste. <i>Cement and Concrete Research</i> , 2011 , 41, 842-846	10.3	98
220	Influence of slag chemistry on the hydration of alkali-activated blast-furnace slag [Part I: Effect of MgO. <i>Cement and Concrete Research</i> , 2011 , 41, 955-963	10.3	363

219	Investigation of the Cause of Disintegration of Alkali-Activated Slag at Temperature Exposure of 50°C. 2011 , 23, 1589-1595		11
218	Accelerated carbonation testing of alkali-activated binders significantly underestimates service life: The role of pore solution chemistry. <i>Cement and Concrete Research</i> , 2012 , 42, 1317-1326	10.3	179
217	Strength and Drying Shrinkage of Alkali-Activated Slag Paste and Mortar. 2012 , 2012, 1-7		43
216	Influence of slag chemistry on the hydration of alkali-activated blast-furnace slag [Part II: Effect of Al ₂ O ₃ . <i>Cement and Concrete Research</i> , 2012 , 42, 74-83	10.3	283
215	Hydration of a low-alkali CEM III/B β SiO ₂ cement (LAC). <i>Cement and Concrete Research</i> , 2012 , 42, 410-423	10.3	113
214	Effects of dosage of alkali-activated solution and curing conditions on the properties and durability of alkali-activated slag concrete. 2012 , 35, 240-245		154
213	Microstructural changes in alkali activated fly ash/slag geopolymers with sulfate exposure. 2013 , 46, 361-373		196
212	Hydration and properties of sodium sulfate activated slag. <i>Cement and Concrete Composites</i> , 2013 , 37, 20-29	8.6	156
211	Influence of the composition of cement kiln dust on its interaction with fly ash and slag. <i>Cement and Concrete Research</i> , 2013 , 54, 106-113	10.3	29
210	Effect of substitution of granulated slag by air-cooled slag on the properties of alkali activated slag. 2013 , 39, 171-181		27
209	Contribution to the modeling of hydration and chemical shrinkage of slag-blended cement at early age. 2013 , 44, 368-380		39
208	Modification of phase evolution in alkali-activated blast furnace slag by the incorporation of fly ash. <i>Cement and Concrete Composites</i> , 2014 , 45, 125-135	8.6	517
207	Durability of Alkali-Activated Materials: Progress and Perspectives. 2014 , 97, 997-1008		220
206	Geopolymers and other alkali activated materials: why, how, and what?. 2014 , 47, 11-25		428
205	RETRACTED: Development of microstructure and chemical composition of hydration products of slag activated by ordinary Portland cement. 2014 , 87, 149-158		7
204	Engineering properties of alkali-activated binders by use of desulfurization slag and GGBFS. 2014 , 66, 229-234		15
203	An exploratory study on alkali-activated slag blended with quartz powder under the effect of thermal cyclic loads and thermal shock cycles. 2014 , 70, 165-174		17
202	A thermodynamic model for C-(N-)A-S-H gel: CNASH _{ss} . Derivation and validation. <i>Cement and Concrete Research</i> , 2014 , 66, 27-47	10.3	122

201	Shrinkage characteristics of alkali-activated fly ash/slag paste and mortar at early ages. <i>Cement and Concrete Composites</i> , 2014 , 53, 239-248	8.6	207
200	Distinctive microstructural features of aged sodium silicate-activated slag concretes. <i>Cement and Concrete Research</i> , 2014 , 65, 41-51	10.3	51
199	Engineering and mineralogical characteristics of stabilized unfired montmorillonitic clay bricksPeer review under responsibility of Housing and Building National Research Center.View all notes. 2014 , 10, 82-91		15
198	Influence of superplasticizers on the long-term properties of cement pastes and possible impact on radionuclide uptake in a cement-based repository for radioactive waste. 2014 , 49, 126-142		16
197	The interrelationship between surface chemistry and rheology in alkali activated slag paste. 2014 , 65, 583-591		99
196	Effect of Si/Al ratio on engineering properties of alkali-activated GGBS pastes. 2014 , 2, 123-131		3
195	Durability of mortar and concrete containing alkali-activated binder with pozzolans: A review. 2015 , 93, 95-109		83
194	Analysing the relation between pore structure and permeability of alkali-activated concrete binders. 2015 , 235-264		6
193	Co-existence of aluminosilicate and calcium silicate gel characterized through selective dissolution and FTIR spectral subtraction. <i>Cement and Concrete Research</i> , 2015 , 70, 39-49	10.3	76
192	Chemical acceleration of a neutral granulated blast-furnace slag activated by sodium carbonate. <i>Cement and Concrete Research</i> , 2015 , 72, 1-9	10.3	71
191	Thermodynamic modelling of alkali-activated slag cements. 2015 , 61, 233-247		111
190	Reactivity and reaction products of alkali-activated, fly ash/slag paste. 2015 , 81, 303-312		126
189	Long term durability properties of class F fly ash geopolymer concrete. 2015 , 48, 721-731		120
188	Influence of slag composition on the hydration of alkali-activated slags. <i>Journal of Sustainable Cement-Based Materials</i> , 2015 , 4, 85-100	3.6	36
187	Intrinsic differences in atomic ordering of calcium (alumino)silicate hydrates in conventional and alkali-activated cements. <i>Cement and Concrete Research</i> , 2015 , 67, 66-73	10.3	61
186	Very early-age reaction kinetics and microstructural development in alkali-activated slag. <i>Cement and Concrete Composites</i> , 2015 , 55, 91-102	8.6	139
185	Studying the Hydration of a Retarded Suspension of Ground Granulated Blast-Furnace Slag after Reactivation. 2016 , 9,		2
184	Reactivation of a Retarded Suspension of Ground Granulated Blast-Furnace Slag. 2016 , 9,		3

183	Hydration characteristics of cement-free binder using Kambara reactor slag. 2016 , 68, 1143-1154	3
182	Evaluation of the suitability of ground granulated silico-manganese slag in Portland slag cement. 2016 , 125, 127-134	32
181	Thermal effects of activators on the setting time and rate of workability loss of geopolymers. 2016 , 42, 19257-19268	18
180	Characterization of alkali-activated slag paste containing dredged marine sediment. 2016 , 57, 24688-24696	2
179	Temperature and activator effect on early-age reaction kinetics of alkali-activated slag binders. 2016 , 113, 783-793	84
178	Schwind- und Kriechverhalten von Beton auf Basis eines alkalisch-aktivierten Hütensands. 2017 , 112, 22-30	2
177	Influence of Granulated Blast Furnace Slag and Cement on the Strength Properties of Lithomargic Clay. 2017 , 47, 384-392	18
176	Shrinkage and creep behavior of an alkali-activated slag concrete. 2017 , 18, 801-810	32
175	Physical performances of alkali-activated portland cement-glass-limestone blends. 2017 , 100, 4159-4172	7
174	Properties of alkali-activated slag with addition of cation exchange material. 2017 , 146, 321-328	9
173	Time, Temperature, and Cationic Dependence of Alkali Activation of Slag: Insights from Fourier Transform Infrared Spectroscopy and Spectral Deconvolution. 2017 , 71, 1795-1807	6
172	Corrosion behavior of steel bars immersed in simulated pore solutions of alkali-activated slag mortar. 2017 , 143, 289-297	30
171	Phase quantification in cementitious materials by dynamic modulus mapping. 2017 , 127, 348-356	22
170	Alkali activated slag binder: effect of cations from silicate activators. 2017 , 50, 1	14
169	Mechanical Properties of Alkali-Activated Concrete Subjected to Impact Load. 2018 , 30, 04018068	6
168	Alkali activation of a novel calcium-silicate hydraulic binder with CaO/SiO ₂ '=1.1. 2018 , 101, 4158-4170	2
167	Influence of slag composition on the stability of steel in alkali-activated cementitious materials. 2018 , 53, 5016-5035	30
166	Fracture properties of alkali-activated slag and ordinary Portland cement concrete and mortar. 2018 , 165, 310-320	41

165	Modulation of Alpha Coefficient (α) and Reactivity in Granulated Blast Furnace Slag Binders Used in Road Construction. 2018 , 4, 326-332		
164	High-resolution solid-state nuclear magnetic resonance spectroscopy of portland cement-based systems. 2018 , 232-305		17
163	Hormigones de escorias activadas alcalinamente. Comportamiento mecánico y durable. 2018 , 69, 163-168		1
162	A combined SPM/NI/EDS method to quantify properties of inner and outer C-S-H in OPC and slag-blended cement pastes. <i>Cement and Concrete Composites</i> , 2018 , 85, 56-66	8.6	41
161	Critical aspects of scanning probe microscopy mapping when applied to cement pastes. <i>Advances in Cement Research</i> , 2018 , 30, 293-304	1.8	8
160	Superabsorbent polymers as internal curing agents in alkali activated slag mortars. 2018 , 159, 1-8		41
159	Structural concrete based on alkali-activated binders: Terminology, reaction mechanisms, mix designs and performance. 2018 , 19, 918-929		26
158	Effect of various alkalis on hydration properties of alkali-activated slag cements. 2018 , 131, 3093-3104		15
157	Effect of Alkali Activator on Preparation, and Mechanical and Thermal Properties of Iron Mine Tailing-Based Lightweight Materials. 2018 , 281, 940-945		1
156	Influence of Calcium Sulfate Type on Evolution of Reaction Products and Strength in NaOH- and CaO-Activated Ground Granulated Blast-Furnace Slag. 2018 , 8, 2500		3
155	Enhancement of Material Properties of Lime-Activated Slag Mortar from Intensified Pozzolanic Reaction and Pore Filling Effect. 2018 , 10, 4290		12
154	The influence of curing conditions and alkaline activator concentration on elevated temperature behavior of alkali activated slag (AAS) mortars. 2018 , 190, 108-119		28
153	Microstructure and mechanical properties of alkali-activated slag mortar modified with latex. 2018 , 191, 32-38		7
152	Understanding the role of silicate concentration on the early-age reaction kinetics of a calcium containing geopolymeric binder. 2018 , 191, 206-215		11
151	Experimental investigation on corrosion behavior of slag-cement-mortar-lined ductile iron pipe in flowing solutions. 2018 , 193, 1-12		6
150	Effect of Alkali Concentration on Mechanical Properties, Microstructure, Zeta Potential and Electrical Conductivity of Thermally Cured Fly Ash -Blast Furnace Slag Based Blended Geopolymer Composites. 2018 , 34, 704-715		4
149	Alkali Activated Slag Mortars Provide High Resistance to Chloride-Induced Corrosion of Steel. 2018 , 5,		25
148	Effect of chemical and thermal activation on the microstructural and mechanical properties of more sustainable UHPC. 2018 , 169, 567-577		21

147	Coupled thermodynamic modelling and experimental study of sodium hydroxide activated slag. 2018 , 188, 262-279		26
146	Construction material properties of high temperature arc gasification slag as a portland cement replacement. 2018 , 196, 1266-1272		12
145	Evaluation on Strength Properties of LimeSlag Stabilized Loess as Pavement Base Material. 2019 , 11, 4099		6
144	Durability study of AAMs: Sulfate attack resistance. 2019 , 229, 117100		18
143	Factors Affecting Compressive Strength Development in Alkali-activated Slag Concrete. 2019 , 603, 042037		1
142	Experimental study on the pH for activating ground granulated blast-furnace slag activity at different temperatures. 2019 , 44, 1		3
141	The role of calcium stearate on regulating activation to form stable, uniform and flawless reaction products in alkali-activated slag cement. <i>Cement and Concrete Composites</i> , 2019 , 103, 242-251	8.6	7
140	Application of thermodynamic modelling to hydrated cements. <i>Cement and Concrete Research</i> , 2019 , 123, 105779	10.3	68
139	Development of high-strength alkali-activated pastes containing high volumes of waste brick and ceramic powders. 2019 , 218, 519-529		46
138	Optimization of the design parameters of fly ash-based geopolymer using the dynamic approach of the Taguchi method. 2019 , 219, 1-10		5
137	Hydrated lime activation on byproducts for eco-friendly production of structural mortars. 2019 , 231, 1389-1398		27
136	Examining the hydration mechanism of supersulfated cements made with high and low-alumina slags. <i>Cement and Concrete Composites</i> , 2019 , 103, 193-203	8.6	28
135	Influence of dolomite on the properties and microstructure of alkali-activated slag with and without pulverized fly ash. <i>Cement and Concrete Composites</i> , 2019 , 103, 224-232	8.6	26
134	The unusual solidification process of alkali activated slag and its relationship with the glass structure of the slag. <i>Cement and Concrete Research</i> , 2019 , 121, 1-10	10.3	12
133	A Review of Durability and Strength Characteristics of Alkali-Activated Slag Concrete. 2019 , 12,		31
132	Geopolymers and Other Alkali-Activated Materials. 2019 , 779-805		8
131	The effects of calcium formate on the early hydration of alkali silicate activated slag. 2019 , 52, 1		6
130	Flexural behaviour of steel and macro-PP fibre reinforced concretes based on alkali-activated binders. 2019 , 211, 583-593		22

129	Hydrotalcite and hydrocalumite as resources from waste materials of concrete aggregate and Al-dross by microwave-hydrothermal process. 2019 , 207, 10-16		9
128	Effective use of ground waste expanded perlite as green supplementary cementitious material in eco-friendly alkali activated slag composites. 2019 , 213, 406-414		21
127	Pore solution composition of alkali-activated slag/fly ash pastes. <i>Cement and Concrete Research</i> , 2019 , 115, 230-250	10.3	80
126	Microstructural Analysis and Strength Development of One-Part Alkali-Activated Slag/Ceramic Binders Under Different Curing Regimes. 2020 , 11, 3081-3096		23
125	Characterization of the passive film formed on the reinforcement surface in alkali activated fly ash: Surface analysis and electrochemical evaluation. <i>Corrosion Science</i> , 2020 , 165, 108393	6.8	22
124	The influence of superabsorbent polymer on the properties of alkali-activated slag pastes. 2020 , 236, 117525		20
123	Development of sustainable preplaced aggregate concrete with alkali-activated slag grout. 2020 , 263, 120227		7
122	Characterisation of temporal variations of alkali-activated slag cement property using microstructure features and electrical responses. 2020 , 261, 119884		1
121	Greening effect of concrete containing granulated blast-furnace slag composite cement: Is there an environmental impact?. <i>Cement and Concrete Composites</i> , 2020 , 113, 103711	8.6	2
120	Resistance to Chemical Attack of Hybrid Fly Ash-Based Alkali-Activated Concretes. 2020 , 25,		4
119	Assessment of activity indexes on the splitting tensile strengthening of geopolymer concrete incorporating supplementary cementitious materials. 2020 , 24, 101356		4
118	A comparative study on the effect of different activating solutions and formulations on the early stage geopolymerization process. 2020 , 322, 01039		4
117	Blast Furnace Slag Hydration in an Alkaline Medium: Influence of Sodium Content and Sodium Hydroxide Molarity. 2020 , 32, 04020371		9
116	A Systematic Study on Polymer-Modified Alkali-Activated Slag-Part II: From Hydration to Mechanical Properties. 2020 , 13,		2
115	Ultra-fine slag activated by sodium carbonate at ambient temperature. 2020 , 264, 120695		5
114	Durability performance evaluation of green geopolymer concrete. 2020 , 1-49		9
113	Shrinkage behaviour, early hydration and hardened properties of sodium silicate activated slag incorporated with gypsum and cement. 2020 , 248, 118687		12
112	Effect of activator nature on the impact behaviour of Alkali-Activated slag mortar. 2020 , 257, 119531		9

111	The effects of (di,tri-valent)-cation partitioning and intercalant anion-type on the solubility of hydrotalcites. 2020 , 103, 6025-6039		3
110	Thermodynamic modelling of phase evolution in alkali-activated slag cements exposed to carbon dioxide. <i>Cement and Concrete Research</i> , 2020 , 136, 106158	10.3	16
109	Evaluation of reactivity indexes and durability properties of slag-based geopolymer concrete incorporating corn cob ash. 2020 , 258, 119604		14
108	On the quantification of degrees of reaction and hydration of sodium silicate-activated slag cements. 2020 , 53, 1		4
107	Doubts over capillary pressure theory in context with drying and autogenous shrinkage of alkali-activated materials. 2020 , 248, 118620		7
106	Influence of fly ash on mechanical properties and hydration of calcium sulfoaluminate-activated supersulfated cement. 2020 , 13,		1
105	Novel selection of environment-friendly cementitious materials for winter construction: Alkali-activated slag/Portland cement. 2020 , 258, 120592		21
104	Ability of the R3 test to evaluate differences in early age reactivity of 16 industrial ground granulated blast furnace slags (GGBS). <i>Cement and Concrete Research</i> , 2020 , 130, 105998	10.3	22
103	Use of slag (GBFS) generated in charcoal blast furnace as raw material in alkali-activated cement. 2020 , 142, 1223-1231		2
102	Alkali-silica reaction (ASR) in the alkali-activated cement (AAC) system: A state-of-the-art review. 2020 , 252, 119105		25
101	Interactions between alkali-activated ground granulated blastfurnace slag and organic matter in soil stabilization/solidification. 2021 , 26, 100412		10
100	Effects of mixing water temperatures on properties of one-part alkali-activated slag paste. 2021 , 266, 121030		12
99	Iron speciation in blast furnace slag cements. <i>Cement and Concrete Research</i> , 2021 , 140, 106287	10.3	8
98	Monitoring the setting process of alkali-activated slag-fly ash cements with ultrasonic P-wave velocity. 2021 , 271, 121592		7
97	GeoMicro3D: A novel numerical model for simulating the reaction process and microstructure formation of alkali-activated slag. <i>Cement and Concrete Research</i> , 2021 , 141, 106328	10.3	4
96	Evaluation of the ASR of waste glass fine aggregate in alkali activated concrete by concrete prism tests. 2021 , 266, 121121		8
95	Relation between activator ratio, hydration products and mechanical properties of alkali-activated slag. 2021 , 266, 120940		10
94	Understanding the aqueous phases of alkali-activated slag paste under water curing. <i>Advances in Cement Research</i> , 2021 , 33, 59-73	1.8	8

93	Steel Reinforcement in Slag Containing Binders and Its Susceptibility to Chloride-Induced Corrosion. 2021 , 295-303	0
92	Assessing the long term effects on climate change of metallurgical slags valorization as construction material: a comparison between static and dynamic global warming impacts. 2021 , 1, 88-111	1
91	Effect of alkali activator concentration on waste brick powder-based ecofriendly mortar cured at ambient temperature. 2021 , 23, 727-740	3
90	Is electrodeless resistivity method suitable for monitoring the early-age reaction of Na ₂ SiO ₃ -activated slag? Mechanism and application. 2021 , 272, 121719	2
89	Effect of Curing Conditions on the Performance of Geopolymer Concrete Based on Granulated Blast Furnace Slag and Metakaolin. 2021 , 33, 04020501	11
88	Research status of super sulfate cement. 2021 , 294, 126228	11
87	Greening effect of slag cement-based concrete: Environmental and ecotoxicological impact. 2021 , 22, 101467	2
86	Mechanisms of passivation and chloride-induced corrosion of mild steel in sulfide-containing alkaline solutions. 2021 , 56, 14783-14802	1
85	Early-age strength of CO ₂ cured alkali-activated blast furnace slag pastes. 2021 , 288, 123075	6
84	Basic performances and potential research problems of strain hardening geopolymer composites: A critical review. 2021 , 287, 123030	9
83	Fundamental understanding of the setting behaviour of the alkali activated binders based on ground granulated blast furnace slag and fly ash. 2021 , 291, 123243	7
82	Mix Design Effects on the Durability of Alkali-Activated Slag Concrete in a Hydrochloric Acid Environment. 2021 , 13, 8096	1
81	Analyzing the Basic Properties and Environmental Footprint Reduction Effects of Highly Sulfated Calcium Silicate Cement. 2021 , 13, 7540	3
80	X-ray Diffraction-Based Quantification of Amorphous Phase in Alkali-Activated Blast Furnace Slag. 2021 , 10, 20200167	1
79	Investigation on the sustainable use of electric arc furnace slag aggregates in eco-friendly alkali-activated low fineness slag concrete as a green construction composite. 2021 , 307, 127257	1
78	Early hydration of blast furnace slag in the presence of sodium chromate. 2021 , 297, 123775	1
77	Physico-mechanical and microstructural properties of sodium sulfate activated materials: A review. 2021 , 295, 123668	2
76	Surface characteristics and electrochemical behaviors of passive reinforcing steel in alkali-activated slag. <i>Corrosion Science</i> , 2021 , 190, 109657	6.8 6

75	Sodium hydroxide substitution in slag activating mixes: A potential pathway to more sustainable slag-based binders. 2021 , 300, 124183		0
74	Enhancing the mechanical and durability properties of subzero-cured one-part alkali-activated blast furnace slag mortar by using submicron metallurgical residue as an additive. <i>Cement and Concrete Composites</i> , 2021 , 122, 104128	8.6	7
73	Early hydration kinetics and microstructure development of hybrid alkali activated cements (HAACs) at room temperature. <i>Cement and Concrete Composites</i> , 2021 , 123, 104200	8.6	1
72	A review and comparison study on drying shrinkage prediction between alkali-activated fly ash/slag and ordinary Portland cement. 2021 , 305, 124760		8
71	Calcium carbide residue as auxiliary activator for one-part sodium carbonate-activated slag cements: compressive strength, phase assemblage and environmental benefits. 2021 , 308, 125015		4
70	Corrosion behavior of the reinforcement in chloride-contaminated alkali-activated fly ash pore solution. <i>Composites Part B: Engineering</i> , 2021 , 224, 109215	10	7
69	Vegetable fibers behavior in geopolymers and alkali-activated cement based matrices: A review. 2021 , 44, 103291		5
68	Historical Aspects and Overview. 2014 , 11-57		11
67	Binder Chemistry [High-Calcium Alkali-Activated Materials. 2014 , 59-91		29
66	Durability and Testing [Chemical Matrix Degradation Processes. 2014 , 177-221		4
65	Durability of Alkali-Activated Slag Concretes Prepared Using Waste Glass as Alternative Activator. 2015 , 112,		8
64	Comparative Analysis of the Influence of Sodium and Potassium Silicate Solutions on the Kinetics and Products of Slag Activation. 2014 , 3, 20140005		4
63	A Consideration on the One-Part Mixing Method of Alkali-Activated Material: Problems of the Sodium Silicate Solubility and Quick Setting.		
62	A laboratory investigation of coastal sand stabilization using biochar-enhanced alkali-activated slag. 2021 , 9, 292-295		
61	Experimental comparisons between one-part and normal (two-part) alkali-activated slag binders. 2021 , 309, 125177		5
60	Optimizaci3n de la resistencia mec3nica de cementos binarios MK/GBFS activados alcalinamente por Metodolog3a de Superficie de Respuesta. 2014 , 10, 197-220		0
59	Flow Property of Alkali-Activated Slag with Modified Precursor. 2017 , 114,		3
58	Effect of alkali hydroxide on calcium silicate hydrate (C-S-H). <i>Cement and Concrete Research</i> , 2022 , 151, 106636	10.3	7

57	EFFECTS OF COMPOSITION OF FLY ASH-BASED ALKALI-ACTIVATED MATERIALS ON COMPRESSIVE STRENGTH: A REVIEW. 2020 , 9-23		0
56	Non-Equilibrium Thermodynamic Modeling Framework for Ordinary Portland Cement/Supplementary Cementitious Material Systems. 2020 , 117,		1
55	Utilization of lime-based alternative hydration to develop cementless UHPFRC. 2022 , 45, 103668		1
54	Prediction of bending performance for a separable CLT-concrete composite slab connected by notch connectors. 2022 , 49, 103900		1
53	Comprehensive properties of passive film formed in simulated pore solution of alkali-activated concrete. 2022 , 319, 126142		2
52	A consideration on the one-part mixing method of alkali-activated material: problems of sodium silicate solubility and quick setting.. 2022 , 8, e08783		2
51	Effect of slags of different origins and the role of sulfur in slag on the hydration characteristics of cement-slag systems. 2022 , 316, 125266		3
50	Effect of chloride salt on the phase evolution in alkali-activated slag cements through thermodynamic modelling. 2022 , 136, 105169		0
49	Difference between geopolymers and alkali-activated materials. 2022 , 421-435		
48	Hydration mechanism of calcium sulfoaluminate-activated supersulfated cement. 2022 , 333, 130094		0
47	Quantitative analysis of C-(K)-A-S-H-amount and hydrotalcite phase content in finely ground highly alkali-activated slag/silica fume blended cementitious material. <i>Cement and Concrete Research</i> , 2022 , 153, 106706	10.3	2
46	Effect of curing time on the chloride diffusion of alkali-activated slag. <i>Case Studies in Construction Materials</i> , 2022 , 16, e00927	2.7	1
45	Strength Analysis and Optimization of Alkali Activated Slag Backfills Through Response Surface Methodology. 9,		4
44	Performance of One-Part Alkali-Activated Self- Consolidated Mortar. 2022 , 119,		
43	A Study on the Influence of Sodium Silicate Concentration and SiO ₂ : Na ₂ O Ratio on the Properties of Low-Calcium Fly Ash-Based Alkali-Activated Materials Cured at Ambient Condition. 2022 , 2022, 1-7		0
42	Review on chloride transport in alkali-activated materials: Role of precursors, activators and admixtures. 2022 , 328, 127081		0
41	Experimental Study of Slag Changes during the Very Early Stages of Its Alkaline Activation.. 2021 , 15,		1
40	Hydration Characteristics and Microstructure of Alkali-Activated Slag Concrete: A Review. 2021 ,		5

39	Comparative Analysis of Heat Release, Bound Water Content and Compressive Strength of Alkali-Activated Slag-Fly Ash. 2022 , 9,		0
38	The effect of slag chemistry on the reactivity of synthetic and commercial slags. 2022 , 335, 127493		0
37	Evaluation of marine dredged sediment as reactive powder compared to ground basaltic pyroclastic materials for the development of eco-friendly lime-pozzolan binders. <i>Cement and Concrete Composites</i> , 2022 , 130, 104553	8.6	0
36	Chloride binding behavior of synthesized reaction products in alkali-activated slag. <i>Composites Part B: Engineering</i> , 2022 , 238, 109919	10	2
35	Fresh and Mechanical Properties of One-Part Alkali-Activated Self-Consolidating Concrete. <i>Lecture Notes in Civil Engineering</i> , 2023 , 17-30	0.3	1
34	Resistance of alkali-activated slag mixed with wastewater towards biogenic sulfuric acid attack. <i>Case Studies in Construction Materials</i> , 2022 , e01164	2.7	0
33	EDS Microanalysis of Unhydrated Blast Furnace Slag Grains in Field Concrete with Different Service Life. <i>Microscopy and Microanalysis</i> , 1-11	0.5	1
32	Effect of polymer latex on the efflorescence, drying shrinkage and microstructure of alkali-activated slag paste. <i>Journal of Sustainable Cement-Based Materials</i> , 1-11	3.6	
31	Electrochemical performance of low-alloy steel and low-carbon steel immersed in the simulated pore solutions of alkali-activated slag/steel slag pastes in the presence of chlorides. <i>Corrosion Science</i> , 2022 , 205, 110438	6.8	0
30	Optimization of mix proportions and manufacturing conditions of fly ash-based geopolymer mortar by parameters design with dynamic characteristics. <i>Cement and Concrete Composites</i> , 2022 , 133, 104645	8.6	0
29	Performance and microstructure development of lime [calcined fluvial sediment binders under different curing conditions. <i>Cement and Concrete Research</i> , 2022 , 160, 106903	10.3	
28	Supercritical CO ₂ -Induced Evolution of Alkali-Activated Slag Cements. 2022 , 15, 5873		
27	Evaluation on the mechanical performance of lime[ground granulated blast-furnace slag stabilized loess. 2022 , 15,		
26	Assessment of the Corrosion of Steel Embedded in an Alkali-Activated Hybrid Concrete Exposed to Chlorides. 2022 , 27, 5296		
25	Early age hydration of model slag cement: Interaction among C ₃ S, gypsum and slag with different Al ₂ O ₃ contents. 2022 , 161, 106954		0
24	Influence of alkali content and silica modulus on the carbonation kinetics of alkali-activated slag concrete. 2022 , 364, 05004		0
23	Effect of alkali modulus on the compressive strength and ultrasonic pulse velocity of alkali-activated BFS/FS cement.		0
22	Influence Factors in the Wide Application of Alkali-Activated Materials: A Critical Review about Efflorescence. 2022 , 15, 6436		1

21	Influence of Silica Fume Additive and Activator Ratio on Mechanical Properties in Slaked Lime-Based Alkali-Activated Mortars.	0
20	Cracking Behaviour of Alkali-Activated Aluminosilicate Beams Reinforced with Glass and Basalt Fibre-Reinforced Polymer Bars under Cyclic Load. 2022 , 2022, 1-13	1
19	Seawater-mixed alkali-activated materials: a comparative investigation of metal slag suitability. 1-17	0
18	Exploring machine learning to predict the pore solution composition of hardened cementitious systems. 2022 , 162, 107001	0
17	The Effect of Hydrogels with Different Chemical Compositions on the Behavior of Alkali-Activated Slag Pastes. 2022 , 8, 731	1
16	Phase Quantification by Different Techniques. 2023 , 91-144	0
15	The role of solvent quality and of competitive adsorption on the efficiency of superplasticizers in alkali-activated slag pastes. 2023 , 163, 107020	0
14	Performance and interaction of sodium silicate activated slag with lignosulfonate superplasticiser added at different mixing stages. 2023 , 136, 104900	3
13	Effect of Alkali Cation on Performance of Alkali-Activated Slag Mortar in Cold Environments. 2022 , 9, 450	0
12	Influencing Mechanism of Titanium-Extracted Tailing Slag on the Strength of CaO Steel Slag Hardened Paste. 2023 , 16, 937	1
11	Co-activation of Blended Blast Furnace Slag and Fly Ash with Sodium Sulfate and Hydroxide. 2023 , 51-59	0
10	Multi-objective optimization of fly ash-slag based geopolymer considering strength, cost and CO ₂ emission: A new framework based on tree-based ensemble models and NSGA-II. 2023 , 68, 106070	0
9	Microstructure development of slag activated with sodium silicate solution: Experimental characterization and thermodynamic modeling. 2023 , 71, 106398	0
8	A numerical study on chloride transport in alkali-activated fly ash/slag concretes. 2023 , 166, 107094	2
7	Fresh, Hardened, and Microstructural Properties of Ambient Cured One-Part Alkali-Activated Self-Consolidating Concrete. 2023 , 15, 2451	1
6	The changes in the reaction kinetics and phase assemblage of sodium silicate-activated CaO-MgO-Al ₂ O ₃ -SiO ₂ glasses induced by the Al replacement by Mg. 2023 , 166, 107103	0
5	A combination of liquid crystal display glass powder and slag in alkali-activated material. 2023 , 369, 130527	0
4	Speciation of iron(II/III) at the iron-cement interface: a review. 2023 , 56,	0

- 3 Application of electrochemical methods for studying steel corrosion in alkali-activated materials. ○
- 2 Effect of Activator Concentrations on the Postfire Impact Behavior of Alkali-Activated Slag Concrete. **2023**, 35, ○
- 1 Experimental study on basic and drying creep for an alkali-activated slag concrete and comparison with existing creep models. ○