

Karen L Scrivener

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8445039/karen-l-scrivener-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. 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.

203
papers

19,407
citations

68
h-index

138
g-index

212
ext. papers

23,907
ext. citations

7.9
avg, IF

7.55
L-index

#	Paper	IF	Citations
203	Supplementary cementitious materials. <i>Cement and Concrete Research</i> , 2011 , 41, 1244-1256	10.3	1348
202	Mechanisms of cement hydration. <i>Cement and Concrete Research</i> , 2011 , 41, 1208-1223	10.3	1012
201	Influence of limestone on the hydration of Portland cements. <i>Cement and Concrete Research</i> , 2008 , 38, 848-860	10.3	782
200	The Interfacial Transition Zone (ITZ) Between Cement Paste and Aggregate in Concrete. <i>Journal of Materials Science</i> , 2004 , 12, 411-421		679
199	Eco-efficient cements: Potential economically viable solutions for a low-CO2 cement-based materials industry. <i>Cement and Concrete Research</i> , 2018 , 114, 2-26	10.3	647
198	Hydration products of alkali activated slag cement. <i>Cement and Concrete Research</i> , 1995 , 25, 561-571	10.3	597
197	Cement substitution by a combination of metakaolin and limestone. <i>Cement and Concrete Research</i> , 2012 , 42, 1579-1589	10.3	557
196	Backscattered electron imaging of cementitious microstructures: understanding and quantification. <i>Cement and Concrete Composites</i> , 2004 , 26, 935-945	8.6	501
195	Advances in understanding hydration of Portland cement. <i>Cement and Concrete Research</i> , 2015 , 78, 38-56	10.3	486
194	The origin of the pozzolanic activity of calcined clay minerals: A comparison between kaolinite, illite and montmorillonite. <i>Cement and Concrete Research</i> , 2011 , 41, 113-122	10.3	441
193	Delayed ettringite formation. <i>Cement and Concrete Research</i> , 2001 , 31, 683-693	10.3	420
192	Factors affecting the strength of alkali-activated slag. <i>Cement and Concrete Research</i> , 1994 , 24, 1033-1043	10.3	412
191	Innovation in use and research on cementitious material. <i>Cement and Concrete Research</i> , 2008 , 38, 128-136	10.3	409
190	Hydration of cementitious materials, present and future. <i>Cement and Concrete Research</i> , 2011 , 41, 651-665	10.3	386
189	Calcined clay limestone cements (LC3). <i>Cement and Concrete Research</i> , 2018 , 114, 49-56	10.3	317
188	Quantitative study of Portland cement hydration by X-ray diffraction/Rietveld analysis and independent methods. <i>Cement and Concrete Research</i> , 2004 , 34, 1541-1547	10.3	317
187	Durability of alkali-sensitive sisal and coconut fibres in cement mortar composites. <i>Cement and Concrete Composites</i> , 2000 , 22, 127-143	8.6	305

186	Development of vegetable fibre-mortar composites of improved durability. <i>Cement and Concrete Composites</i> , 2003 , 25, 185-196	8.6	289
185	Dissolution theory applied to the induction period in alite hydration. <i>Cement and Concrete Research</i> , 2010 , 40, 831-844	10.3	276
184	Densification of CSH Measured by 1H NMR Relaxometry. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 403-412	3.8	272
183	3D experimental investigation of the microstructure of cement pastes using synchrotron X-ray microtomography (CT). <i>Cement and Concrete Research</i> , 2007 , 37, 360-368	10.3	251
182	The percolation of pore space in the cement paste/aggregate interfacial zone of concrete. <i>Cement and Concrete Research</i> , 1996 , 26, 35-40	10.3	235
181	µic: A new platform for modelling the hydration of cements. <i>Cement and Concrete Research</i> , 2009 , 39, 266-274	10.3	230
180	Effect of temperature on the microstructure of calcium silicate hydrate (C-S-H). <i>Cement and Concrete Research</i> , 2013 , 53, 185-195	10.3	225
179	High-performance concretes from calcium aluminate cements. <i>Cement and Concrete Research</i> , 1999 , 29, 1215-1223	10.3	216
178	Development of a new rapid, relevant and reliable (R3) test method to evaluate the pozzolanic reactivity of calcined kaolinitic clays. <i>Cement and Concrete Research</i> , 2016 , 85, 1-11	10.3	207
177	²⁹ Si and ²⁷ Al NMR study of alkali-activated slag. <i>Cement and Concrete Research</i> , 2003 , 33, 769-774	10.3	195
176	Methods for determination of degree of reaction of slag in blended cement pastes. <i>Cement and Concrete Research</i> , 2012 , 42, 511-525	10.3	191
175	Pozzolanic reactivity of low grade kaolinitic clays: Influence of calcination temperature and impact of calcination products on OPC hydration. <i>Applied Clay Science</i> , 2015 , 108, 94-101	5.2	177
174	Investigation of the calcined kaolinite content on the hydration of Limestone Calcined Clay Cement (LC3). <i>Cement and Concrete Research</i> , 2018 , 107, 124-135	10.3	169
173	Interactions between alite and C3A-gypsum hydrations in model cements. <i>Cement and Concrete Research</i> , 2013 , 44, 46-54	10.3	166
172	Physical and microstructural aspects of sulfate attack on ordinary and limestone blended Portland cements. <i>Cement and Concrete Research</i> , 2009 , 39, 1111-1121	10.3	160
171	Expansion mechanisms in calcium aluminate and sulfoaluminate systems with calcium sulfate. <i>Cement and Concrete Research</i> , 2014 , 56, 190-202	10.3	158
170	Use of bench-top NMR to measure the density, composition and desorption isotherm of CSH in cement paste. <i>Microporous and Mesoporous Materials</i> , 2013 , 178, 99-103	5.3	155
169	Advances in understanding cement hydration mechanisms. <i>Cement and Concrete Research</i> , 2019 , 124, 105823	10.3	147

168	Changes in microstructure characteristics of cement paste on carbonation. <i>Cement and Concrete Research</i> , 2018 , 109, 184-197	10.3	146
167	Studying nucleation and growth kinetics of alite hydration using μ . <i>Cement and Concrete Research</i> , 2009 , 39, 849-860	10.3	141
166	Effect of cement substitution by limestone on the hydration and microstructural development of ultra-high performance concrete (UHPC). <i>Cement and Concrete Composites</i> , 2017 , 77, 86-101	8.6	139
165	Mechanism of expansion of mortars immersed in sodium sulfate solutions. <i>Cement and Concrete Research</i> , 2013 , 43, 105-111	10.3	139
164	Application of the Rietveld method to the analysis of anhydrous cement. <i>Cement and Concrete Research</i> , 2011 , 41, 133-148	10.3	138
163	Hydration of C3A-gypsum systems. <i>Cement and Concrete Research</i> , 2012 , 42, 1032-1041	10.3	137
162	Hydration states of AFm cement phases. <i>Cement and Concrete Research</i> , 2015 , 73, 143-157	10.3	136
161	A new quantification method based on SEM-EDS to assess fly ash composition and study the reaction of its individual components in hydrating cement paste. <i>Cement and Concrete Research</i> , 2015 , 73, 111-122	10.3	126
160	A thermodynamic and experimental study of the conditions of thaumasite formation. <i>Cement and Concrete Research</i> , 2008 , 38, 337-349	10.3	123
159	Microstructural development of early age hydration shells around cement grains. <i>Cement and Concrete Research</i> , 2010 , 40, 4-13	10.3	118
158	The Atomic-Level Structure of Cementitious Calcium Silicate Hydrate. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17188-17196	3.8	114
157	TC 238-SCM: hydration and microstructure of concrete with SCMs. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 835-862	3.4	113
156	The origin of early age expansions induced in cementitious materials containing shrinkage reducing admixtures. <i>Cement and Concrete Research</i> , 2011 , 41, 218-229	10.3	110
155	The influence of aluminium on the dissolution of amorphous silica and its relation to alkali silica reaction. <i>Cement and Concrete Research</i> , 2012 , 42, 1645-1649	10.3	106
154	The morphology of C-S-H: Lessons from 1H nuclear magnetic resonance relaxometry. <i>Cement and Concrete Research</i> , 2013 , 49, 65-81	10.3	106
153	Relation of expansion due to alkali silica reaction to the degree of reaction measured by SEM image analysis. <i>Cement and Concrete Research</i> , 2007 , 37, 1206-1214	10.3	98
152	Micro-mechanical modelling of alkali-silica-reaction-induced degradation using the AMIE framework. <i>Cement and Concrete Research</i> , 2010 , 40, 517-525	10.3	96
151	Alkali fixation of C-S-H in blended cement pastes and its relation to alkali silica reaction. <i>Cement and Concrete Research</i> , 2012 , 42, 1049-1054	10.3	90

150	Determination of the amount of reacted metakaolin in calcined clay blends. <i>Cement and Concrete Research</i> , 2018 , 106, 40-48	10.3	83
149	Prediction of self-desiccation in low water-to-cement ratio pastes based on pore structure evolution. <i>Cement and Concrete Research</i> , 2013 , 49, 38-47	10.3	82
148	Modelling early age hydration kinetics of alite. <i>Cement and Concrete Research</i> , 2012 , 42, 903-918	10.3	82
147	On the relevance of volume increase for the length changes of mortar bars in sulfate solutions. <i>Cement and Concrete Research</i> , 2013 , 46, 23-29	10.3	81
146	Limestone calcined clay cement as a low-carbon solution to meet expanding cement demand in emerging economies. <i>Development Engineering</i> , 2017 , 2, 82-91	2.5	80
145	Effect of replacement of silica fume with calcined clay on the hydration and microstructural development of eco-UHPFRC. <i>Materials and Design</i> , 2017 , 121, 36-46	8.1	77
144	Effect of recycled cellulose fibres on the properties of lightweight cement composite matrix. <i>Construction and Building Materials</i> , 2012 , 34, 451-456	6.7	77
143	Outcomes of the RILEM round robin on degree of reaction of slag and fly ash in blended cements. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017 , 50, 1	3.4	74
142	The existence of amorphous phase in Portland cements: Physical factors affecting Rietveld quantitative phase analysis. <i>Cement and Concrete Research</i> , 2014 , 59, 139-146	10.3	74
141	The influence of sodium and potassium hydroxide on alite hydration: Experiments and simulations. <i>Cement and Concrete Research</i> , 2012 , 42, 1513-1523	10.3	74
140	Reactivity tests for supplementary cementitious materials: RILEM TC 267-TRM phase 1. <i>Materials and Structures/Materiaux Et Constructions</i> , 2018 , 51, 1	3.4	74
139	Effect of mixing on the early hydration of alite and OPC systems. <i>Cement and Concrete Research</i> , 2012 , 42, 1175-1188	10.3	73
138	What causes differences of C-S-H gel grey levels in backscattered electron images?. <i>Cement and Concrete Research</i> , 2002 , 32, 1465-1471	10.3	73
137	Early age strength enhancement of blended cement systems by CaCl ₂ and diethanol-isopropanolamine. <i>Cement and Concrete Research</i> , 2010 , 40, 935-946	10.3	69
136	Fly ash as an assemblage of model CaMgNa-aluminosilicate glasses. <i>Cement and Concrete Research</i> , 2015 , 78, 263-272	10.3	68
135	Effects of an early or a late heat treatment on the microstructure and composition of inner C-S-H products of Portland cement mortars. <i>Cement and Concrete Research</i> , 2002 , 32, 269-278	10.3	67
134	Investigation of C-A-S-H composition, morphology and density in Limestone Calcined Clay Cement (LC3). <i>Cement and Concrete Research</i> , 2019 , 115, 70-79	10.3	66
133	Limestone reaction in calcium aluminate cement-calcium sulfate systems. <i>Cement and Concrete Research</i> , 2015 , 76, 159-169	10.3	65

- 132 Impacting factors and properties of limestone calcined clay cements (LC3). *Green Materials*, **2019**, 7, 3-14, 2 65
- 131 Pozzolanic activity of mechanochemically and thermally activated kaolins in cement. *Cement and Concrete Research*, **2015**, 77, 47-59 10.3 64
- 130 Phase assemblage of composite cements. *Cement and Concrete Research*, **2017**, 99, 172-182 10.3 63
- 129 Impact of water activity on the stability of ettringite. *Cement and Concrete Research*, **2016**, 79, 31-44 10.3 63
- 128 Analysis of Phases in Cement Paste Using Backscattered Electron Images, Methanol Adsorption and Thermogravimetric Analysis. *Materials Research Society Symposia Proceedings*, **1986**, 85, 67 63
- 127 Rapid screening tests for supplementary cementitious materials: past and future. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 3265-3279 3.4 62
- 126 The Effect of Aluminum in Solution on the Dissolution of Amorphous Silica and its Relation to Cementitious Systems. *Journal of the American Ceramic Society*, **2013**, 96, 592-597 3.8 58
- 125 The influence of the filler effect on the sulfate requirement of blended cements. *Cement and Concrete Research*, **2019**, 126, 105918 10.3 58
- 124 Improved quantification of alite and belite in anhydrous Portland cements by (^{29}Si) MAS NMR: effects of paramagnetic ions. *Solid State Nuclear Magnetic Resonance*, **2009**, 36, 32-44 3.1 57
- 123 Influence of the storage conditions on the dimensional changes of heat-cured mortars. *Cement and Concrete Research*, **2001**, 31, 795-803 10.3 56
- 122 Crystallisation of calcium hydroxide in early age model and ordinary cementitious systems. *Cement and Concrete Research*, **2007**, 37, 492-501 10.3 55
- 121 The Effect of Magnesium and Zinc Ions on the Hydration Kinetics of C3S. *Journal of the American Ceramic Society*, **2014**, 97, 3684-3693 3.8 54
- 120 Performance of Limestone Calcined Clay Cement (LC3) with various kaolinite contents with respect to chloride transport. *Materials and Structures/Materiaux Et Constructions*, **2018**, 51, 1 3.4 54
- 119 Degradation mechanism of slag blended mortars immersed in sodium sulfate solution. *Cement and Concrete Research*, **2015**, 72, 37-47 10.3 53
- 118 Effects of uniaxial stress on alkali-silica reaction induced expansion of concrete. *Cement and Concrete Research*, **2012**, 42, 567-576 10.3 52
- 117 Influence of self heating and Li_2SO_4 addition on the microstructural development of calcium aluminate cement. *Cement and Concrete Research*, **2010**, 40, 1555-1570 10.3 50
- 116 Alite-ye'elimate cement: Synthesis and mineralogical analysis. *Cement and Concrete Research*, **2013**, 45, 15-20 10.3 49
- 115 Effects of aggregate size on alkali-silica-reaction induced expansion. *Cement and Concrete Research*, **2012**, 42, 745-751 10.3 46

114	Water Redistribution within the Microstructure of Cementitious Materials due to Temperature Changes Studied with 1H NMR. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27950-27962	3.8	45
113	The Atomic-Level Structure of Cementitious Calcium Aluminate Silicate Hydrate. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11060-11071	16.4	43
112	Influence of visco-elasticity on the stress development induced by alkali-silica reaction. <i>Cement and Concrete Research</i> , 2015 , 70, 1-8	10.3	43
111	Methods to determine hydration states of minerals and cement hydrates. <i>Cement and Concrete Research</i> , 2014 , 65, 85-95	10.3	41
110	Characterization of interfacial transition zone in concrete prepared with carbonated modeled recycled concrete aggregates. <i>Cement and Concrete Research</i> , 2020 , 136, 106175	10.3	39
109	The needle model: A new model for the main hydration peak of alite. <i>Cement and Concrete Research</i> , 2019 , 115, 339-360	10.3	39
108	Modified poly(carboxylate ether)-based superplasticizer for enhanced flowability of calcined clay-limestone-gypsum blended Portland cement. <i>Cement and Concrete Research</i> , 2017 , 101, 114-122	10.3	38
107	The influence of sodium and potassium hydroxide on volume changes in cementitious materials. <i>Cement and Concrete Research</i> , 2012 , 42, 1447-1455	10.3	38
106	Hydration reactions and stages of clinker composed mainly of stoichiometric ye'elimite. <i>Cement and Concrete Research</i> , 2019 , 116, 120-133	10.3	37
105	The reaction between metakaolin and limestone and its effect in porosity refinement and mechanical properties. <i>Cement and Concrete Research</i> , 2021 , 140, 106307	10.3	37
104	Phase compositions and equilibria in the $\text{CaO-Al}_2\text{O}_3\text{-Fe}_2\text{O}_3\text{-SiO}_2$ system, for assemblages containing ye'elimite and ferrite $\text{Ca}_2(\text{Al,Fe})\text{O}_5$. <i>Cement and Concrete Research</i> , 2013 , 54, 77-86	10.3	36
103	Quantification methods for chloride binding in Portland cement and limestone systems. <i>Cement and Concrete Research</i> , 2019 , 125, 105864	10.3	31
102	Influence of curing temperature on cement paste microstructure measured by 1H NMR relaxometry. <i>Cement and Concrete Research</i> , 2019 , 122, 147-156	10.3	31
101	Basic creep of cement paste at early age - the role of cement hydration. <i>Cement and Concrete Research</i> , 2019 , 116, 191-201	10.3	31
100	Understanding the carbonation of concrete with supplementary cementitious materials: a critical review by RILEM TC 281-CCC. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020 , 53, 1	3.4	29
99	Influence of bicarbonate ions on the deterioration of mortar bars in sulfate solutions. <i>Cement and Concrete Research</i> , 2013 , 44, 77-86	10.3	28
98	Factors influencing the hydration kinetics of ye'elimite; effect of mayenite. <i>Cement and Concrete Research</i> , 2019 , 116, 113-119	10.3	28
97	On the mesoscale mechanism of synthetic calcium-silicate-hydrate precipitation: a population balance modeling approach. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 363-373	13	28

96	Physical and microstructural aspects of iron sulfide degradation in concrete. <i>Cement and Concrete Research</i> , 2011 , 41, 263-269	10.3	27
95	Quantitative distribution patterns of additives in self-leveling flooring compounds (underlayments) as function of application, formulation and climatic conditions. <i>Cement and Concrete Research</i> , 2009 , 39, 313-323	10.3	27
94	A novel method to predict internal relative humidity in cementitious materials by 1H NMR. <i>Cement and Concrete Research</i> , 2018 , 104, 80-93	10.3	26
93	Impact of Annealing on the Early Hydration of Tricalcium Silicate. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 584-591	3.8	25
92	Intrinsic viscoelasticity of C-S-H assessed from basic creep of cement pastes. <i>Cement and Concrete Research</i> , 2019 , 121, 11-20	10.3	24
91	Influence of pH on the chloride binding capacity of Limestone Calcined Clay Cements (LC3). <i>Cement and Concrete Research</i> , 2020 , 131, 106031	10.3	24
90	Limestone calcined clay cement and concrete: A state-of-the-art review. <i>Cement and Concrete Research</i> , 2021 , 149, 106564	10.3	24
89	Factors influencing the sulfate balance in pure phase C3S/C3A systems. <i>Cement and Concrete Research</i> , 2020 , 133, 106085	10.3	23
88	Laboratory synthesis of C3S on the kilogram scale. <i>Cement and Concrete Research</i> , 2018 , 108, 201-207	10.3	21
87	The corrosion rate and microstructure of Portland cement and calcium aluminate cement-based concrete mixtures in outfall sewers: A comparative study. <i>Cement and Concrete Research</i> , 2019 , 124, 105818	10.3	21
86	Towards a generic approach to durability: Factors affecting chloride transport in binary and ternary cementitious materials. <i>Cement and Concrete Research</i> , 2019 , 124, 105783	10.3	21
85	Oilwell Cement Clinkers. <i>Advanced Cement Based Materials</i> , 1998 , 7, 28-38		21
84	Water Redistribution Microdiffusion in Cement Paste under Mechanical Loading Evidenced by 1H NMR. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 16153-16163	3.8	20
83	Deterioration of mortar bars immersed in magnesium containing sulfate solutions. <i>Materials and Structures/Materiaux Et Constructions</i> , 2013 , 46, 2003-2011	3.4	20
82	edxia: Microstructure characterisation from quantified SEM-EDS hypermaps. <i>Cement and Concrete Research</i> , 2021 , 141, 106327	10.3	20
81	Impact of temperature on expansive behavior of concrete with a highly reactive andesite due to the alkali-silica reaction. <i>Cement and Concrete Research</i> , 2019 , 125, 105888	10.3	18
80	Microstructural Modeling of Early-Age Creep in Hydrating Cement Paste. <i>Journal of Engineering Mechanics - ASCE</i> , 2016 , 142, 04016086	2.4	17
79	The impact of calcite impurities in clays containing kaolinite on their reactivity in cement after calcination. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020 , 53, 1	3.4	17

78	Increasing the kaolinite content of raw clays using particle classification techniques for use as supplementary cementitious materials. <i>Construction and Building Materials</i> , 2020 , 244, 118335	6.7	16
77	An Algorithm to compute damage from load in composites. <i>Frontiers of Architecture and Civil Engineering in China</i> , 2011 , 5, 180-193		16
76	Calcium aluminate cements 2003 , 1-31		16
75	Effect of sulfate on C-S-H at early age. <i>Cement and Concrete Research</i> , 2020 , 138, 106248	10.3	16
74	The Effect of Mg on Slag Reactivity in Blended Cements. <i>Waste and Biomass Valorization</i> , 2014 , 5, 369-383	10.3	15
73	Finite elements in space and time for the analysis of generalised visco-elastic materials. <i>International Journal for Numerical Methods in Engineering</i> , 2014 , 97, 454-472	2.4	15
72	Effect of a novel starch-based temperature rise inhibitor on cement hydration and microstructure development. <i>Cement and Concrete Research</i> , 2020 , 129, 105961	10.3	15
71	Early hydration of ye'elimite: Insights from thermodynamic modelling. <i>Cement and Concrete Research</i> , 2019 , 120, 152-163	10.3	14
70	Young's modulus and creep of calcium-silicate-hydrate compacts measured by microindentation. <i>Cement and Concrete Research</i> , 2020 , 134, 106104	10.3	14
69	Equivalency points: Predicting concrete compressive strength evolution in three days. <i>Cement and Concrete Research</i> , 2008 , 38, 1070-1078	10.3	14
68	Chemical shrinkage of ye'elimite with and without gypsum addition. <i>Construction and Building Materials</i> , 2019 , 200, 770-780	6.7	14
67	Understanding of the factors slowing down metakaolin reaction in limestone calcined clay cement (LC3) at late ages. <i>Cement and Concrete Research</i> , 2021 , 146, 106477	10.3	14
66	Effect of temperature on the water content of C-A-S-H in plain Portland and blended cements. <i>Cement and Concrete Research</i> , 2020 , 136, 106124	10.3	13
65	Numerical Simulation of Porosity in Cements. <i>Transport in Porous Media</i> , 2013 , 99, 101-117	3.1	13
64	Prediction of autogenous shrinkage of cement pastes as poro-visco-elastic deformation. <i>Cement and Concrete Research</i> , 2019 , 126, 105917	10.3	11
63	Clay calcination technology: state-of-the-art review by the RILEM TC 282-CCL. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022 , 55, 1	3.4	11
62	Evolution of microstructural changes in cement paste during environmental drying. <i>Cement and Concrete Research</i> , 2020 , 134, 106093	10.3	10
61	Quantification of amorphous siliceous fly ash in hydrated blended cement pastes by X-ray powder diffraction. <i>Journal of Applied Crystallography</i> , 2019 , 52, 1358-1370	3.8	10

60	Activaci3n de arcillas de bajo grado a altas temperaturas. <i>Revista Ingenieria De Construccion</i> , 2010 , 25, 329-352	1	10
59	Characterisation of Portland Cement Hydration by Electron Optical Techniques. <i>Materials Research Society Symposia Proceedings</i> , 1983 , 31, 351		10
58	Estudio de la adici3n de arcillas calcinadas en la durabilidad de hormigones. <i>Revista Ingenieria De Construccion</i> , 2011 , 26, 25-40	1	9
57	Construction Materials: From Innovation to Conservation. <i>MRS Bulletin</i> , 2004 , 29, 308-313	3.2	9
56	Characteristic lengths of the carbonation front in naturally carbonated cement pastes: Implications for reactive transport models. <i>Cement and Concrete Research</i> , 2020 , 134, 106080	10.3	9
55	Assessing the effect of alkanolamine grinding aids in limestone calcined clay cements hydration. <i>Construction and Building Materials</i> , 2021 , 266, 121293	6.7	9
54	Calcium Aluminate Cements 2019 , 537-584		8
53	The Alkali-Silica Reaction in a Monolithic Opal. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2849-2856	3.5	8
52	Unravelling chloride transport/microstructure relationships for blended-cement pastes with the mini-migration method. <i>Cement and Concrete Research</i> , 2021 , 140, 106264	10.3	8
51	Impact of limestone fineness on cement hydration at early age. <i>Cement and Concrete Research</i> , 2021 , 147, 106515	10.3	8
50	Reply to the discussion by E. Gartner of the paper Dissolution theory applied to the induction period in alite hydration. <i>Cement and Concrete Research</i> , 2011 , 41, 563-564	10.3	7
49	The Microstructure of Anhydrous Cement and its Effect on Hydration. <i>Materials Research Society Symposia Proceedings</i> , 1986 , 85, 39		7
48	Concrete Performance of Limestone Calcined Clay Cement (LC3) Compared with Conventional Cements. <i>Advances in Civil Engineering Materials</i> , 2019 , 8, 20190052	0.7	7
47	Conclusions of the International RILEM TC 186-ISA Workshop on Internal Sulfate Attack and Delayed Ettringite Formation (4-6 September 2002, Villars, Switzerland). <i>Materials and Structures/Materiaux Et Constructions</i> , 2005 , 38, 659-663	3.4	7
46	Effect of alkali hydroxide on calcium silicate hydrate (C-S-H). <i>Cement and Concrete Research</i> , 2022 , 151, 106636	10.3	7
45	Visco-elastic behavior of blended cement pastes at early ages. <i>Cement and Concrete Composites</i> , 2020 , 107, 103497	8.6	7
44	Multi-scale investigation on mechanical behavior and microstructural alteration of C-S-H in carbonated Alite paste. <i>Cement and Concrete Research</i> , 2021 , 144, 106448	10.3	7
43	Basic creep of limestone-calclined clay cements: An experimental and numerical approach. <i>Theoretical and Applied Fracture Mechanics</i> , 2019 , 103, 102270	3.7	6

42	Microstructural simulation and measurement of elastic modulus evolution of hydrating cement pastes. <i>Cement and Concrete Research</i> , 2020 , 130, 106007	10.3	6
41	Physically based models to study the alkali-silica reaction. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2016 , 169, 136-144	0.8	6
40	Reply to the discussion by J. Makar, J.J. Beaudoin, T. Sato, R. Alizadeh and L. Raki of Dissolution theory applied to the induction period in alite hydration. <i>Cement and Concrete Research</i> , 2011 , 41, 568-569	10.3	6
39	Microstructural modelling of the elastic properties of tricalcium silicate pastes at early ages. <i>Computers and Concrete</i> , 2015 , 16, 125-140		6
38	Efficacy of SCMs to mitigate ASR in systems with higher alkali contents assessed by pore solution method. <i>Cement and Concrete Research</i> , 2021 , 142, 106353	10.3	6
37	Kinetics of mixing-water repartition in UHPFRC paste and its effect on hydration and microstructural development. <i>Cement and Concrete Research</i> , 2019 , 124, 105784	10.3	5
36	Discussion of the paper Accelerated growth of calcium silicate hydrates by Luc Nicoleau. <i>Cement and Concrete Research</i> , 2012 , 42, 878-880	10.3	5
35	The Hydration of Modern Roman Cements Used for Current Architectural Conservation 2012 , 297-308		5
34	A syndromic rash in patients attending methadone clinics in New South Wales. <i>Medical Journal of Australia</i> , 2005 , 182, 73-5	4	4
33	Microstructural developments of limestone calcined clay cement (LC3) pastes after long-term (3 years) hydration. <i>Cement and Concrete Research</i> , 2022 , 153, 106693	10.3	4
32	Factors affecting the reactivity of slag at early and late ages. <i>Cement and Concrete Research</i> , 2021 , 150, 106604	10.3	4
31	The Effect of Limestone on the Performance of Ternary Blended Cement LC3: Limestone, Calcined Clays and Cement. <i>RILEM Bookseries</i> , 2018 , 170-175	0.5	3
30	A method for the reliable and reproducible precipitation of phase pure high Ca/Si ratio (>1.5) synthetic calcium silicate hydrates (C S H). <i>Cement and Concrete Research</i> , 2022 , 151, 106623	10.3	3
29	Chloride sorption by C-S-H quantified by SEM-EDX image analysis. <i>Cement and Concrete Research</i> , 2022 , 152, 106656	10.3	3
28	Development and Introduction of a Low Clinker, Low Carbon, Ternary Blend Cement in Cuba. <i>RILEM Bookseries</i> , 2015 , 323-329	0.5	3
27	Regional Waste Streams as Potential Raw Materials for Immediate Implementation in Cement Production. <i>Materials</i> , 2020 , 13,	3.5	3
26	Effect of a liquid-type temperature rise inhibitor on cement hydration. <i>Cement and Concrete Research</i> , 2021 , 140, 106286	10.3	3
25	Alite-yeβlimite clinker: Hydration kinetics, products and microstructure. <i>Construction and Building Materials</i> , 2021 , 266, 121062	6.7	3

24	Effect of a novel starch-based temperature rise inhibitor on cement hydration and microstructure development: The second peak study. <i>Cement and Concrete Research</i> , 2021 , 141, 106325	10.3	3
23	Strength-promoting mechanism of alkanolamines on limestone-calcined clay cement and the role of sulfate. <i>Cement and Concrete Research</i> , 2021 , 147, 106527	10.3	3
22	Importance of microstructural understanding for durable and sustainable concrete 2008 , 11-17		2
21	Simulation of cement paste microstructure hydration, pore space characterization and permeability determination. <i>Materials and Structures/Materiaux Et Constructions</i> , 2005 , 38, 459-466	3.4	2
20	Stability of hemicarbonat under cement paste-like conditions. <i>Cement and Concrete Research</i> , 2022 , 153, 106692	10.3	2
19	The Influence of some calcined clays from Nigeria as clinker substitute in cementitious systems. <i>Case Studies in Construction Materials</i> , 2020 , 13, e00443	2.7	2
18	Fred Glasser Cement Science Symposium. <i>Advances in Cement Research</i> , 2010 , 22, 185-186	1.8	1
17	Prognosis of Alkali Aggregate Reaction with SEM. <i>Advanced Materials Research</i> , 2011 , 194-196, 1012-1016	1.5	1
16	Characterisation of Microstructure as a Systematic Approach to High Strength Cements. <i>Materials Research Society Symposia Proceedings</i> , 1984 , 42, 39		1
15	The role of cavitation in drying cementitious materials. <i>Cement and Concrete Research</i> , 2022 , 154, 106710	10.3	1
14	Impact of ZnO on C3S hydration and C-S-H morphology at early ages. <i>Cement and Concrete Research</i> , 2022 , 154, 106734	10.3	1
13	The Effect of Calcite and Gibbsite Impurities in Calcined Clay on Its Reactivity. <i>RILEM Bookseries</i> , 2020 , 357-362	0.5	1
12	The Origin of the Increased Sulfate Demand of Blended Cements Incorporating Aluminum-Rich Supplementary Cementitious Materials. <i>RILEM Bookseries</i> , 2020 , 309-314	0.5	1
11	Use of scratch tracking method to study the dissolution of alpine aggregates subject to alkali silica reaction. <i>Cement and Concrete Composites</i> , 2021 , 104260	8.6	1
10	Insights on chemical and physical chloride binding in blended cement pastes. <i>Cement and Concrete Research</i> , 2022 , 156, 106747	10.3	1
9	Simple and Reliable Quantification of Kaolinite in Clay Using an Oven and a Balance. <i>RILEM Bookseries</i> , 2020 , 147-156	0.5	0
8	Oxidation of pyrite (FeS ₂) and troilite (FeS) impurities in kaolinitic clays after calcination. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022 , 55, 1	3.4	0
7	A discussion of the paper Role of delayed release of sulphates from clinker in DEF by Weislaw Kurdowski. <i>Cement and Concrete Research</i> , 2003 , 33, 455-456	10.3	

- 6 Basic Creep of LC3 Paste: Links Between Properties and Microstructure. *RILEM Bookseries*, **2020**, 523-533. 0.5
- 5 Density of C-A-S-H in Plain Cement and Limestone Calcined Clay Cement (LC3). *RILEM Bookseries*, **2020**, 397-401 0.5
- 4 Influence of Kaolinite Content, Limestone Particle Size and Mixture Design on Early-Age Properties of Limestone Calcined Clay Cements (LC3). *RILEM Bookseries*, **2020**, 331-337 0.5
- 3 Study of Concrete Made of Limestone Calcined Clay Cements (LC3). *RILEM Bookseries*, **2020**, 257-261 0.5
- 2 Characterization of Fly Ashes by a Novel Method in the Scanning Electron Microscope **2016**, 55-64
- 1 Screening Regionally Available Natural Resources and Waste Streams as Potential Supplementary Cementitious Material. *RILEM Bookseries*, **2021**, 217-224 0.5