Karen L Scrivener

List of Publications by Year in Descending Order

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	The role of cavitation in drying cementitious materials. *Cement and Concrete Research*, **2022**, 154, 106710	10.3	1
202	Impact of ZnO on C3S hydration and C-S-H morphology at early ages. *Cement and Concrete Research* , **2022**, 154, 106734	10.3	1
201	Clay calcination technology: state-of-the-art review by the RILEM TC 282-CCL. *Materials and Structures/Materiaux Et Constructions*, **2022**, 55, 1	3.4	11
200	Microstructural developments of limestone calcined clay cement (LC3) pastes after long-term (3 years) hydration. *Cement and Concrete Research*, **2022**, 153, 106693	10.3	4
199	Stability of hemicarbonate under cement paste-like conditions. *Cement and Concrete Research*, **2022**, 153, 106692	10.3	2
198	Effect of alkali hydroxide on calcium silicate hydrate (C-S-H). *Cement and Concrete Research*, **2022**, 151, 106636	10.3	7
197	A method for the reliable and reproducible precipitation of phase pure high Ca/Si ratio (>1.5) synthetic calcium silicate hydrates (C S H). *Cement and Concrete Research*, **2022**, 151, 106623	10.3	3
196	Chloride sorption by C-S-H quantified by SEM-EDX image analysis. *Cement and Concrete Research*, **2022**, 152, 106656	10.3	3
195	Insights on chemical and physical chloride binding in blended cement pastes. *Cement and Concrete Research*, **2022**, 156, 106747	10.3	1
194	Oxidation of pyrite (FeS2) and troilite (FeS) impurities in kaolinitic clays after calcination. *Materials and Structures/Materiaux Et Constructions*, **2022**, 55, 1	3.4	0
193	Efficacy of SCMs to mitigate ASR in systems with higher alkali contents assessed by pore solution method. *Cement and Concrete Research*, **2021**, 142, 106353	10.3	6
192	Multi-scale investigation on mechanical behavior and microstructural alteration of C-S-H in carbonated Alite paste. *Cement and Concrete Research*, **2021**, 144, 106448	10.3	7
191	The reaction between metakaolin and limestone and its effect in porosity refinement and mechanical properties. *Cement and Concrete Research*, **2021**, 140, 106307	10.3	37
190	Unravelling chloride transport/microstructure relationships for blended-cement pastes with the mini-migration method. *Cement and Concrete Research*, **2021**, 140, 106264	10.3	8
189	Effect of a liquid-type temperature rise inhibitor on cement hydration. *Cement and Concrete Research*, **2021**, 140, 106286	10.3	3
188	Assessing the effect of alkanolamine grinding aids in limestone calcined clay cements hydration. *Construction and Building Materials*, **2021**, 266, 121293	6.7	9
187	Alite-yeelimite clinker: Hydration kinetics, products and microstructure. *Construction and Building Materials*, **2021**, 266, 121062	6.7	3

186	Effect of a novel starch-based temperature rise inhibitor on cement hydration and microstructure development: The second peak study. *Cement and Concrete Research*, **2021**, 141, 106325	10.3	3
185	edxia: Microstructure characterisation from quantified SEM-EDS hypermaps. *Cement and Concrete Research*, **2021**, 141, 106327	10.3	20
184	Screening Regionally Available Natural Resources and Waste Streams as Potential Supplementary Cementitious Material. *RILEM Bookseries*, **2021**, 217-224	0.5	
183	Understanding of the factors slowing down metakaolin reaction in limestone calcined clay cement (LC3) at late ages. *Cement and Concrete Research*, **2021**, 146, 106477	10.3	14
182	Impact of limestone fineness on cement hydration at early age. *Cement and Concrete Research*, **2021**, 147, 106515	10.3	8
181	Use of scratch tracking method to study the dissolution of alpine aggregates subject to alkali silica reaction. *Cement and Concrete Composites*, **2021**, 104260	8.6	1
180	Strength-promoting mechanism of alkanolamines on limestone-calcined clay cement and the role of sulfate. *Cement and Concrete Research*, **2021**, 147, 106527	10.3	3
179	Limestone calcined clay cement and concrete: A state-of-the-art review. *Cement and Concrete Research*, **2021**, 149, 106564	10.3	24
178	Factors affecting the reactivity of slag at early and late ages. *Cement and Concrete Research*, **2021**, 150, 106604	10.3	4
177	The Atomic-Level Structure of Cementitious Calcium Aluminate Silicate Hydrate. *Journal of the American Chemical Society*, **2020**, 142, 11060-11071	16.4	43
176	Evolution of microstructural changes in cement paste during environmental drying. *Cement and Concrete Research*, **2020**, 134, 106093	10.3	10
175	Young's modulus and creep of calcium-silicate-hydrate compacts measured by microindentation. *Cement and Concrete Research*, **2020**, 134, 106104	10.3	14
174	Effect of temperature on the water content of C-A-S-H in plain Portland and blended cements. *Cement and Concrete Research*, **2020**, 136, 106124	10.3	13
173	Influence of pH on the chloride binding capacity of Limestone Calcined Clay Cements (LC3). *Cement and Concrete Research*, **2020**, 131, 106031	10.3	24
172	Microstructural simulation and measurement of elastic modulus evolution of hydrating cement pastes. *Cement and Concrete Research*, **2020**, 130, 106007	10.3	6
171	Increasing the kaolinite content of raw clays using particle classification techniques for use as supplementary cementitious materials. *Construction and Building Materials*, **2020**, 244, 118335	6.7	16
170	Basic Creep of LC3 Paste: Links Between Properties and Microstructure. *RILEM Bookseries*, **2020**, 523-533	0.5	
169	Density of C-A-S-H in Plain Cement and Limestone Calcined Clay Cement (LC3). *RILEM Bookseries*, **2020**, 397-401	0.5	

168	The Effect of Calcite and Gibbsite Impurities in Calcined Clay on Its Reactivity. *RILEM Bookseries*, **2020**, 357-362	0.5	1
167	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	
166	Simple and Reliable Quantification of Kaolinite in Clay Using an Oven and a Balance. *RILEM Bookseries*, **2020**, 147-156	0.5	0
165	Study of Concrete Made of Limestone Calcined Clay Cements (LC3). *RILEM Bookseries*, **2020**, 257-261	0.5	
164	The Origin of the Increased Sulfate Demand of Blended Cements Incorporating Aluminum-Rich Supplementary Cementitious Materials. *RILEM Bookseries*, **2020**, 309-314	0.5	1
163	Characteristic lengths of the carbonation front in naturally carbonated cement pastes: Implications for reactive transport models. *Cement and Concrete Research*, **2020**, 134, 106080	10.3	9
162	Effect of a novel starch-based temperature rise inhibitor on cement hydration and microstructure development. *Cement and Concrete Research*, **2020**, 129, 105961	10.3	15
161	Visco-elastic behavior of blended cement pastes at early ages. *Cement and Concrete Composites*, **2020**, 107, 103497	8.6	7
160	Effect of sulfate on C-S-H at early age. *Cement and Concrete Research*, **2020**, 138, 106248	10.3	16
159	Characterization of interfacial transition zone in concrete prepared with carbonated modeled recycled concrete aggregates. *Cement and Concrete Research*, **2020**, 136, 106175	10.3	39
158	The Influence of some calcined clays from Nigeria as clinker substitute in cementitious systems. *Case Studies in Construction Materials*, **2020**, 13, e00443	2.7	2
157	Understanding the carbonation of concrete with supplementary cementitious materials: a critical review by RILEM TC 281-CCC. *Materials and Structures/Materiaux Et Constructions*, **2020**, 53, 1	3.4	29
156	Regional Waste Streams as Potential Raw Materials for Immediate Implementation in Cement Production. *Materials*, **2020**, 13,	3.5	3
155	The impact of calcite impurities in clays containing kaolinite on their reactivity in cement after calcination. *Materials and Structures/Materiaux Et Constructions*, **2020**, 53, 1	3.4	17
154	Factors influencing the sulfate balance in pure phase C3S/C3A systems. *Cement and Concrete Research*, **2020**, 133, 106085	10.3	23
153	Advances in understanding cement hydration mechanisms. *Cement and Concrete Research*, **2019**, 124, 105823	10.3	147
152	Quantification methods for chloride binding in Portland cement and limestone systems. *Cement and Concrete Research*, **2019**, 125, 105864	10.3	31
151	Water Redistribution Microdiffusion in Cement Paste under Mechanical Loading Evidenced by 1H NMR. *Journal of Physical Chemistry C*, **2019**, 123, 16153-16163	3.8	20

150	Basic creep of limestone calcined clay cements: An experimental and numerical approach. *Theoretical and Applied Fracture Mechanics*, **2019**, 103, 102270	3.7	6
149	Influence of curing temperature on cement paste microstructure measured by 1H NMR relaxometry. *Cement and Concrete Research*, **2019**, 122, 147-156	10.3	31
148	Intrinsic viscoelasticity of C-S-H assessed from basic creep of cement pastes. *Cement and Concrete Research*, **2019**, 121, 11-20	10.3	24
147	Early hydration of ye'elimite: Insights from thermodynamic modelling. *Cement and Concrete Research*, **2019**, 120, 152-163	10.3	14
146	Calcium Aluminate Cements **2019**, 537-584		8
145	Kinetics of mixing-water repartition in UHPFRC paste and its effect on hydration and microstructural development. *Cement and Concrete Research*, **2019**, 124, 105784	10.3	5
144	The corrosion rate and microstructure of Portland cement and calcium aluminate cement-based concrete mixtures in outfall sewers: A comparative study. *Cement and Concrete Research*, **2019**, 124, 105818	10.3	21
143	Towards a generic approach to durability: Factors affecting chloride transport in binary and ternary cementitious materials. *Cement and Concrete Research*, **2019**, 124, 105783	10.3	21
142	Impact of temperature on expansive behavior of concrete with a highly reactive andesite due to the alkali-silica reaction. *Cement and Concrete Research*, **2019**, 125, 105888	10.3	18
141	Quantification of amorphous siliceous fly ash in hydrated blended cement pastes by X-ray powder diffraction. *Journal of Applied Crystallography*, **2019**, 52, 1358-1370	3.8	10
140	Prediction of autogenous shrinkage of cement pastes as poro-visco-elastic deformation. *Cement and Concrete Research*, **2019**, 126, 105917	10.3	11
139	Concrete Performance of Limestone Calcined Clay Cement (LC3) Compared with Conventional Cements. *Advances in Civil Engineering Materials*, **2019**, 8, 20190052	0.7	7
138	The influence of the filler effect on the sulfate requirement of blended cements. *Cement and Concrete Research*, **2019**, 126, 105918	10.3	58
137	Impacting factors and properties of limestone calcined clay cements (LC3). *Green Materials*, **2019**, 7, 3-14	3.2	65
136	Hydration reactions and stages of clinker composed mainly of stoichiometric ye'elimite. *Cement and Concrete Research*, **2019**, 116, 120-133	10.3	37
135	Factors influencing the hydration kinetics of ye'elimite; effect of mayenite. *Cement and Concrete Research*, **2019**, 116, 113-119	10.3	28
134	Chemical shrinkage of ye'elimite with and without gypsum addition. *Construction and Building Materials*, **2019**, 200, 770-780	6.7	14
133	Investigation of C-A-S-H composition, morphology and density in Limestone Calcined Clay Cement (LC3). *Cement and Concrete Research*, **2019**, 115, 70-79	10.3	66

132	Basic creep of cement paste at early age - the role of cement hydration. *Cement and Concrete Research*, **2019**, 116, 191-201	10.3	31
131	The needle model: A new model for the main hydration peak of alite. *Cement and Concrete Research* , **2019**, 115, 339-360	10.3	39
130	Investigation of the calcined kaolinite content on the hydration of Limestone Calcined Clay Cement (LC3). *Cement and Concrete Research*, **2018**, 107, 124-135	10.3	169
129	Laboratory synthesis of C3S on the kilogram scale. *Cement and Concrete Research*, **2018**, 108, 201-207	10.3	21
128	Determination of the amount of reacted metakaolin in calcined clay blends. *Cement and Concrete Research*, **2018**, 106, 40-48	10.3	83
127	Changes in microstructure characteristics of cement paste on carbonation. *Cement and Concrete Research*, **2018**, 109, 184-197	10.3	146
126	The Effect of Limestone on the Performance of Ternary Blended Cement LC3: Limestone, Calcined Clays and Cement. *RILEM Bookseries*, **2018**, 170-175	0.5	3
125	Calcined clay limestone cements (LC3). *Cement and Concrete Research*, **2018**, 114, 49-56	10.3	317
124	On the mesoscale mechanism of synthetic calcium silicate hydrate precipitation: a population balance modeling approach. *Journal of Materials Chemistry A*, **2018**, 6, 363-373	13	28
123	A novel method to predict internal relative humidity in cementitious materials by 1H NMR. *Cement and Concrete Research*, **2018**, 104, 80-93	10.3	26
122	Reactivity tests for supplementary cementitious materials: RILEM TC 267-TRM phase 1. *Materials and Structures/Materiaux Et Constructions*, **2018**, 51, 1	3.4	74
121	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
120	Eco-efficient cements: Potential economically viable solutions for a low-CO2 cement-based materials industry. *Cement and Concrete Research*, **2018**, 114, 2-26	10.3	647
119	Effect of replacement of silica fume with calcined clay on the hydration and microstructural development of eco-UHPFRC. *Materials and Design*, **2017**, 121, 36-46	8.1	77
118	Outcomes of the RILEM round robin on degree of reaction of slag and fly ash in blended cements. *Materials and Structures/Materiaux Et Constructions*, **2017**, 50, 1	3.4	74
117	Limestone calcined clay cement as a low-carbon solution to meet expanding cement demand in emerging economies. *Development Engineering*, **2017**, 2, 82-91	2.5	80
116	Phase assemblage of composite cements. *Cement and Concrete Research*, **2017**, 99, 172-182	10.3	63
115	The Atomic-Level Structure of Cementitious Calcium Silicate Hydrate. *Journal of Physical Chemistry C*, **2017**, 121, 17188-17196	3.8	114

114	Effect of cement substitution by limestone on the hydration and microstructural development of ultra-high performance concrete (UHPC). *Cement and Concrete Composites*, **2017**, 77, 86-101	8.6	139
113	Modified poly(carboxylate ether)-based superplasticizer for enhanced flowability of calcined clay-limestone-gypsum blended Portland cement. *Cement and Concrete Research*, **2017**, 101, 114-122	10.3	38
112	Water Redistribution within the Microstructure of Cementitious Materials due to Temperature Changes Studied with 1H NMR. *Journal of Physical Chemistry C*, **2017**, 121, 27950-27962	3.8	45
111	Rapid screening tests for supplementary cementitious materials: past and future. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 3265-3279	3.4	62
110	Microstructural Modeling of Early-Age Creep in Hydrating Cement Paste. *Journal of Engineering Mechanics - ASCE*, **2016**, 142, 04016086	2.4	17
109	Physically based models to study the alkali–silica reaction. *Proceedings of Institution of Civil Engineers: Construction Materials*, **2016**, 169, 136-144	0.8	6
108	Impact of water activity on the stability of ettringite. *Cement and Concrete Research*, **2016**, 79, 31-44	10.3	63
107	Characterization of Fly Ashes by a Novel Method in the Scanning Electron Microscope **2016**, 55-64		
106	Development of a new rapid, relevant and reliable (R3) test method to evaluate the pozzolanic reactivity of calcined kaolinitic clays. *Cement and Concrete Research*, **2016**, 85, 1-11	10.3	207
105	Advances in understanding hydration of Portland cement. *Cement and Concrete Research*, **2015**, 78, 38-56	10.3	486
104	Limestone reaction in calcium aluminate cement–calcium sulfate systems. *Cement and Concrete Research*, **2015**, 76, 159-169	10.3	65
103	Pozzolanic activity of mechanochemically and thermally activated kaolins in cement. *Cement and Concrete Research*, **2015**, 77, 47-59	10.3	64
102	Degradation mechanism of slag blended mortars immersed in sodium sulfate solution. *Cement and Concrete Research*, **2015**, 72, 37-47	10.3	53
101	Hydration states of AFm cement phases. *Cement and Concrete Research*, **2015**, 73, 143-157	10.3	136
100	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. *Cement and Concrete Research*, **2015**, 73, 111-122	10.3	126
99	Pozzolanic reactivity of low grade kaolinitic clays: Influence of calcination temperature and impact of calcination products on OPC hydration. *Applied Clay Science*, **2015**, 108, 94-101	5.2	177
98	Fly ash as an assemblage of model Ca–Mg–Na-aluminosilicate glasses. *Cement and Concrete Research*, **2015**, 78, 263-272	10.3	68
97	TC 238-SCM: hydration and microstructure of concrete with SCMs. *Materials and Structures/Materiaux Et Constructions*, **2015**, 48, 835-862	3.4	113

96	Influence of visco-elasticity on the stress development induced by alkali-silica reaction. *Cement and Concrete Research*, **2015**, 70, 1-8	10.3	43
95	Microstructural modelling of the elastic properties of tricalcium silicate pastes at early ages. *Computers and Concrete*, **2015**, 16, 125-140		6
94	Development and Introduction of a Low Clinker, Low Carbon, Ternary Blend Cement in Cuba. *RILEM Bookseries*, **2015**, 323-329	0.5	3
93	The Effect of Mg on Slag Reactivity in Blended Cements. *Waste and Biomass Valorization*, **2014**, 5, 369-383	3.2	15
92	The existence of amorphous phase in Portland cements: Physical factors affecting Rietveld quantitative phase analysis. *Cement and Concrete Research*, **2014**, 59, 139-146	10.3	74
91	Methods to determine hydration states of minerals and cement hydrates. *Cement and Concrete Research*, **2014**, 65, 85-95	10.3	41
90	Finite elements in space and time for the analysis of generalised visco-elastic materials. *International Journal for Numerical Methods in Engineering*, **2014**, 97, 454-472	2.4	15
89	Impact of Annealing on the Early Hydration of Tricalcium Silicate. *Journal of the American Ceramic Society*, **2014**, 97, 584-591	3.8	25
88	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
87	Expansion mechanisms in calcium aluminate and sulfoaluminate systems with calcium sulfate. *Cement and Concrete Research*, **2014**, 56, 190-202	10.3	158
86	Deterioration of mortar bars immersed in magnesium containing sulfate solutions. *Materials and Structures/Materiaux Et Constructions*, **2013**, 46, 2003-2011	3.4	20
85	Numerical Simulation of Porosity in Cements. *Transport in Porous Media*, **2013**, 99, 101-117	3.1	13
84	On the relevance of volume increase for the length changes of mortar bars in sulfate solutions. *Cement and Concrete Research*, **2013**, 46, 23-29	10.3	81
83	Effect of temperature on the microstructure of calcium silicate hydrate (C-S-H). *Cement and Concrete Research*, **2013**, 53, 185-195	10.3	225
82	Use of bench-top NMR to measure the density, composition and desorption isotherm of C-S-H in cement paste. *Microporous and Mesoporous Materials*, **2013**, 178, 99-103	5.3	155
81	Mechanism of expansion of mortars immersed in sodium sulfate solutions. *Cement and Concrete Research*, **2013**, 43, 105-111	10.3	139
80	Influence of bicarbonate ions on the deterioration of mortar bars in sulfate solutions. *Cement and Concrete Research*, **2013**, 44, 77-86	10.3	28
79	Alite-ye'elimite cement: Synthesis and mineralogical analysis. *Cement and Concrete Research*, **2013**, 45, 15-20	10.3	49

78	Phase compositions and equilibria in the CaO-Al2O3-Fe2O3-SO3 system, for assemblages containing ye'elimite and ferrite Ca2(Al,Fe)O5. *Cement and Concrete Research*, **2013**, 54, 77-86	10.3	36
77	Prediction of self-desiccation in low water-to-cement ratio pastes based on pore structure evolution. *Cement and Concrete Research*, **2013**, 49, 38-47	10.3	82
76	Interactions between alite and C3A-gypsum hydrations in model cements. *Cement and Concrete Research*, **2013**, 44, 46-54	10.3	166
75	The morphology of C-S-H: Lessons from 1H nuclear magnetic resonance relaxometry. *Cement and Concrete Research*, **2013**, 49, 65-81	10.3	106
74	Densification of C-S-H Measured by 1H NMR Relaxometry. *Journal of Physical Chemistry C*, **2013**, 117, 403-412	3.8	272
73	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
72	Effect of recycled cellulose fibres on the properties of lightweight cement composite matrix. *Construction and Building Materials*, **2012**, 34, 451-456	6.7	77
71	The influence of sodium and potassium hydroxide on alite hydration: Experiments and simulations. *Cement and Concrete Research*, **2012**, 42, 1513-1523	10.3	74
70	The influence of sodium and potassium hydroxide on volume changes in cementitious materials. *Cement and Concrete Research*, **2012**, 42, 1447-1455	10.3	38
69	Cement substitution by a combination of metakaolin and limestone. *Cement and Concrete Research*, **2012**, 42, 1579-1589	10.3	557
68	The influence of aluminium on the dissolution of amorphous silica and its relation to alkali silica reaction. *Cement and Concrete Research*, **2012**, 42, 1645-1649	10.3	106
67	Effect of mixing on the early hydration of alite and OPC systems. *Cement and Concrete Research*, **2012**, 42, 1175-1188	10.3	73
66	Methods for determination of degree of reaction of slag in blended cement pastes. *Cement and Concrete Research*, **2012**, 42, 511-525	10.3	191
65	Effects of uniaxial stress on alkali-silica reaction induced expansion of concrete. *Cement and Concrete Research*, **2012**, 42, 567-576	10.3	52
64	Effects of aggregate size on alkali-silica-reaction induced expansion. *Cement and Concrete Research* , **2012**, 42, 745-751	10.3	46
63	Discussion of the paper "Accelerated growth of calcium silicate hydrates" by Luc Nicoleau. *Cement and Concrete Research*, **2012**, 42, 878-880	10.3	5
62	Modelling early age hydration kinetics of alite. *Cement and Concrete Research*, **2012**, 42, 903-918	10.3	82
61	Alkali fixation of C-S-H in blended cement pastes and its relation to alkali silica reaction. *Cement and Concrete Research*, **2012**, 42, 1049-1054	10.3	90

60	Hydration of C3A–gypsum systems. *Cement and Concrete Research*, **2012**, 42, 1032-1041	10.3	137
59	The Hydration of Modern Roman Cements Used for Current Architectural Conservation **2012**, 297-308		5
58	Estudio de la adición de arcillas calcinadas en la durabilidad de hormigones. *Revista Ingenieria De Construccion*, **2011**, 26, 25-40	1	9
57	Mechanisms of cement hydration. *Cement and Concrete Research*, **2011**, 41, 1208-1223	10.3	1012
56	Supplementary cementitious materials. *Cement and Concrete Research*, **2011**, 41, 1244-1256	10.3	1348
55	An Algorithm to compute damage from load in composites. *Frontiers of Architecture and Civil Engineering in China*, **2011**, 5, 180-193		16
54	The origin of the pozzolanic activity of calcined clay minerals: A comparison between kaolinite, illite and montmorillonite. *Cement and Concrete Research*, **2011**, 41, 113-122	10.3	441
53	Application of the Rietveld method to the analysis of anhydrous cement. *Cement and Concrete Research*, **2011**, 41, 133-148	10.3	138
52	Physical and microstructural aspects of iron sulfide degradation in concrete. *Cement and Concrete Research*, **2011**, 41, 263-269	10.3	27
51	The origin of early age expansions induced in cementitious materials containing shrinkage reducing admixtures. *Cement and Concrete Research*, **2011**, 41, 218-229	10.3	110
50	Reply to the discussion by E. Gartner of the paper "Dissolution theory applied to the induction period in alite hydration". *Cement and Concrete Research*, **2011**, 41, 563-564	10.3	7
49	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". *Cement and Concrete Research*, **2011**, 41, 568-569	10.3	6
48	Hydration of cementitious materials, present and future. *Cement and Concrete Research*, **2011**, 41, 651-665	10.3	386
47	Prognosis of Alkali Aggregate Reaction with SEM. *Advanced Materials Research*, **2011**, 194-196, 1012-1016	0.5	1
46	Activación de arcillas de bajo grado a altas temperaturas. *Revista Ingenieria De Construccion*, **2010**, 25, 329-352	1	10
45	Fred Glasser Cement Science Symposium. *Advances in Cement Research*, **2010**, 22, 185-186	1.8	1
44	Micro-mechanical modelling of alkali–silica-reaction-induced degradation using the AMIE framework. *Cement and Concrete Research*, **2010**, 40, 517-525	10.3	96
43	Microstructural development of early age hydration shells around cement grains. *Cement and Concrete Research*, **2010**, 40, 4-13	10.3	118

42	Early age strength enhancement of blended cement systems by CaCl2 and diethanol-isopropanolamine. *Cement and Concrete Research*, **2010**, 40, 935-946	10.3	69
41	Dissolution theory applied to the induction period in alite hydration. *Cement and Concrete Research*, **2010**, 40, 831-844	10.3	276
40	Influence of self heating and Li2SO4 addition on the microstructural development of calcium aluminate cement. *Cement and Concrete Research*, **2010**, 40, 1555-1570	10.3	50
39	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
38	µic: A new platform for modelling the hydration of cements. *Cement and Concrete Research*, **2009**, 39, 266-274	10.3	230
37	Quantitative distribution patterns of additives in self-leveling flooring compounds (underlayments) as function of application, formulation and climatic conditions. *Cement and Concrete Research*, **2009** , 39, 313-323	10.3	27
36	Studying nucleation and growth kinetics of alite hydration using [illegible]. *Cement and Concrete Research*, **2009**, 39, 849-860	10.3	141
35	Physical and microstructural aspects of sulfate attack on ordinary and limestone blended Portland cements. *Cement and Concrete Research*, **2009**, 39, 1111-1121	10.3	160
34	Importance of microstructural understanding for durable and sustainable concrete **2008**, 11-17		2
33	Innovation in use and research on cementitious material. *Cement and Concrete Research*, **2008**, 38, 128-136	10.3	409
32	A thermodynamic and experimental study of the conditions of thaumasite formation. *Cement and Concrete Research*, **2008**, 38, 337-349	10.3	123
31	Influence of limestone on the hydration of Portland cements. *Cement and Concrete Research*, **2008**, 38, 848-860	10.3	782
30	Equivalency points: Predicting concrete compressive strength evolution in three days. *Cement and Concrete Research*, **2008**, 38, 1070-1078	10.3	14
29	3D experimental investigation of the microstructure of cement pastes using synchrotron X-ray microtomography ([illegible]CT). *Cement and Concrete Research*, **2007**, 37, 360-368	10.3	251
28	Crystallisation of calcium hydroxide in early age model and ordinary cementitious systems. *Cement and Concrete Research*, **2007**, 37, 492-501	10.3	55
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26	A syndromic rash in patients attending methadone clinics in New South Wales. *Medical Journal of Australia*, **2005**, 182, 73-5	4	4
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