

Klaartje De Weerd

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

2,337
citations

21
h-index

34
g-index

34
ext. papers

2,969
ext. citations

6.8
avg, IF

5.27
L-index

#	Paper	IF	Citations
33	Effect of leaching on the composition of hydration phases during chloride exposure of mortar. <i>Cement and Concrete Research</i> , 2022 , 153, 106691	10.3	2
32	Impact of leaching on chloride ingress profiles in concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022 , 55, 1	3.4	1
31	RILEM TC 258-AAA Round Robin Test: Alkali release from aggregates and petrographic analysis. Critical review of the test method AAR-8. <i>Materiales De Construccion</i> , 2022 , 72, e279	1.8	1
30	Multi-scale strategy to estimate the mechanical and diffusive properties of cementitious materials prepared with CEM II/C-M. <i>Cement and Concrete Composites</i> , 2022 , 104537	8.6	
29	Correlating the development of chloride profiles and microstructural changes in marine concrete up to ten years. <i>Cement and Concrete Composites</i> , 2022 , 104590	8.6	1
28	Chloride binding in concrete: recent investigations and recognised knowledge gaps: RILEM Robert LHermitte Medal Paper 2021. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021 , 54, 1	3.4	4
27	The square root method for chloride ingress prediction: Applicability and limitations. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021 , 54, 1	3.4	4
26	The effect of artificial leaching with HCl on chloride binding in ordinary Portland cement paste. <i>Cement and Concrete Research</i> , 2020 , 130, 105976	10.3	18
25	In vitro and in situ tests to evaluate the bacterial colonization of cementitious materials in the marine environment. <i>Cement and Concrete Composites</i> , 2020 , 113, 103748	8.6	6
24	Effect of carbonation on the pore solution of mortar. <i>Cement and Concrete Research</i> , 2019 , 118, 38-56	10.3	54
23	Stability of the hydrate phase assemblage in Portland composite cements containing dolomite and metakaolin after leaching, carbonation, and chloride exposure. <i>Cement and Concrete Composites</i> , 2018 , 89, 89-106	8.6	30
22	Carbonation-induced corrosion: Investigation of the corrosion onset. <i>Construction and Building Materials</i> , 2018 , 162, 847-856	6.7	36
21	Limitations of the hydrotalcite formation in Portland composite cement pastes containing dolomite and metakaolin. <i>Cement and Concrete Research</i> , 2018 , 105, 1-17	10.3	64
20	Chloride-binding capacity of hydrotalcite in cement pastes containing dolomite and metakaolin. <i>Cement and Concrete Research</i> , 2018 , 107, 163-181	10.3	60
19	Towards the Understanding of the pH Dependency of the Chloride Binding of Portland Cement Pastes. <i>Nordic Concrete Research</i> , 2018 , 58, 143-162	0.8	8
18	Impact of Accelerated Carbonation on Microstructure and Phase Assemblage. <i>Nordic Concrete Research</i> , 2018 , 59, 111-126	0.8	3
17	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

16	Friedel's salt profiles from thermogravimetric analysis and thermodynamic modelling of Portland cement-based mortars exposed to sodium chloride solution. <i>Cement and Concrete Composites</i> , 2017 , 78, 73-83	8.6	145
15	Role of calcium on chloride binding in hydrated Portland cement–metakaolin–limestone blends. <i>Cement and Concrete Research</i> , 2017 , 95, 205-216	10.3	131
14	Determination of the pH and the free alkali metal content in the pore solution of concrete: Review and experimental comparison. <i>Cement and Concrete Research</i> , 2017 , 96, 13-26	10.3	93
13	Portland metakaolin cement containing dolomite or limestone – Similarities and differences in phase assemblage and compressive strength. <i>Construction and Building Materials</i> , 2017 , 157, 214-225	6.7	27
12	Towards the understanding of chloride profiles in marine exposed concrete, impact of leaching and moisture content. <i>Construction and Building Materials</i> , 2016 , 120, 418-431	6.7	46
11	Elemental zonation in marine concrete. <i>Cement and Concrete Research</i> , 2016 , 85, 12-27	10.3	65
10	Durability of Portland Cement Blends Including Calcined Clay and Limestone: Interactions with Sulfate, Chloride and Carbonate Ions. <i>RILEM Bookseries</i> , 2015 , 133-141	0.5	10
9	Impact of the associated cation on chloride binding of Portland cement paste. <i>Cement and Concrete Research</i> , 2015 , 68, 196-202	10.3	105
8	The effect of sea water on the phase assemblage of hydrated cement paste. <i>Cement and Concrete Composites</i> , 2015 , 55, 215-222	8.6	74
7	The impact of sulphate and magnesium on chloride binding in Portland cement paste. <i>Cement and Concrete Research</i> , 2014 , 65, 30-40	10.3	104
6	Changes in the phase assemblage of concrete exposed to sea water. <i>Cement and Concrete Composites</i> , 2014 , 47, 53-63	8.6	82
5	The effect of temperature on the hydration of composite cements containing limestone powder and fly ash. <i>Materials and Structures/Materiaux Et Constructions</i> , 2012 , 45, 1101-1114	3.4	54
4	Synergy between fly ash and limestone powder in ternary cements. <i>Cement and Concrete Composites</i> , 2011 , 33, 30-38	8.6	229
3	Hydration mechanisms of ternary Portland cements containing limestone powder and fly ash. <i>Cement and Concrete Research</i> , 2011 , 41, 279-291	10.3	599
2	Fly ash–limestone ternary cements: effect of component fineness. <i>Advances in Cement Research</i> , 2011 , 23, 203-214	1.8	45
1	Quantification of the degree of reaction of fly ash. <i>Cement and Concrete Research</i> , 2010 , 40, 1620-1629	10.3	161