

Ellis M Gartner

List of Publications by Citations

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36
papers

4,428
citations

22
h-index

37
g-index

37
ext. papers

5,437
ext. citations

8
avg, IF

6.34
L-index

#	Paper	IF	Citations
36	Industrially interesting approaches to low-CO ₂ cements. <i>Cement and Concrete Research</i> , 2004 , 34, 1489-1498	10.3	1091
35	Eco-efficient cements: Potential economically viable solutions for a low-CO ₂ cement-based materials industry. <i>Cement and Concrete Research</i> , 2018 , 114, 2-26	10.3	647
34	Sustainable development and climate change initiatives. <i>Cement and Concrete Research</i> , 2008 , 38, 115-127	10.3	601
33	A review of alternative approaches to the reduction of CO ₂ emissions associated with the manufacture of the binder phase in concrete. <i>Cement and Concrete Research</i> , 2015 , 78, 126-142	10.3	264
32	Cement and carbon emissions. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014 , 47, 1055-1065	3.4	239
31	A physico-chemical basis for novel cementitious binders. <i>Cement and Concrete Research</i> , 2011 , 41, 736-749	10.3	214
30	Alternative cement clinkers. <i>Cement and Concrete Research</i> , 2018 , 114, 27-39	10.3	158
29	Early age hydration of calcium sulfoaluminate (synthetic ye'elinite, C ₄ A ₃ S ₁) in the presence of gypsum and varying amounts of calcium hydroxide. <i>Cement and Concrete Research</i> , 2013 , 48, 105-115	10.3	117
28	A soft X-ray microscope investigation into the effects of calcium chloride on tricalcium silicate hydration. <i>Cement and Concrete Research</i> , 2005 , 35, 19-25	10.3	114
27	Influence of Tertiary Alkanolamines on Portland Cement Hydration. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 1521-1530	3.8	114
26	A new model for the C-S-H phase formed during the hydration of Portland cements. <i>Cement and Concrete Research</i> , 2017 , 97, 95-106	10.3	104
25	Thermodynamics of Calcium Silicate Hydrates and Their Solutions. <i>Journal of the American Ceramic Society</i> , 1987 , 70, 743-749	3.8	90
24	A 1H NMR relaxometry investigation of gel-pore drying shrinkage in cement pastes. <i>Cement and Concrete Research</i> , 2016 , 86, 12-19	10.3	80
23	Proposed mechanism of C-S-H growth tested by soft X-ray microscopy. <i>Cement and Concrete Research</i> , 2000 , 30, 817-822	10.3	67
22	NO _x de-pollution by hardened concrete and the influence of activated charcoal additions. <i>Cement and Concrete Research</i> , 2012 , 42, 1348-1355	10.3	53
21	A proposed mechanism for the growth of C ₂ S?H during the hydration of tricalcium silicate. <i>Cement and Concrete Research</i> , 1997 , 27, 665-672	10.3	53
20	Interactions between Polymeric Dispersants and Calcium Silicate Hydrates. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 2556-2560	3.8	53

19	Saturation Factors for Calcium Hydroxide and Calcium Sulfates in Fresh Portland Cement Pastes. <i>Journal of the American Ceramic Society</i> , 1985 , 68, 667-673	3.8	53
18	Cohesion and expansion in polycrystalline solids formed by hydration reactions [The case of gypsum plasters. <i>Cement and Concrete Research</i> , 2009 , 39, 289-295	10.3	43
17	Air void morphology in fresh cement pastes. <i>Cement and Concrete Research</i> , 2002 , 32, 1025-1031	10.3	32
16	Final report of RILEM TC 205-DSC: durability of self-compacting concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2008 , 41, 225-233	3.4	31
15	Novel cement systems (sustainability). Session 2 of the Fred Glasser Cement Science Symposium. <i>Advances in Cement Research</i> , 2010 , 22, 195-202	1.8	25
14	In situ imaging of ground granulated blast furnace slag hydration. <i>Journal of Materials Science</i> , 2006 , 41, 7074-7081	4.3	22
13	Direct observation of cement hydration by soft X-ray transmission microscopy. <i>Journal of Materials Science Letters</i> , 2003 , 22, 1335-1337		22
12	Effect of polymer modification of the paste-aggregate interface on the mechanical properties of concretes. <i>Cement and Concrete Research</i> , 2011 , 41, 459-466	10.3	21
11	A modified ASTM C1012 procedure for qualifying blended cements containing limestone and SCMs for use in sulfate-rich environments. <i>Cement and Concrete Research</i> , 2014 , 63, 75-88	10.3	19
10	Role of alcohol-ethylene oxide polymers on the reduction of shrinkage of cement paste. <i>Cement and Concrete Research</i> , 2018 , 111, 157-168	10.3	17
9	Further studies of the hydration of MgO-hydromagnesite blends. <i>Cement and Concrete Research</i> , 2019 , 126, 105912	10.3	16
8	The effects of seeding C3S pastes with afwillite. <i>Cement and Concrete Research</i> , 2016 , 89, 145-157	10.3	15
7	Discussion of the paper "Dissolution theory applied to the induction period in alite hydration" by P. Juilland et al., Cem. Concr. Res. 40 (2010) 831-844. <i>Cement and Concrete Research</i> , 2011 , 41, 560-562	10.3	13
6	Amorphous determination in calcium sulfoaluminate materials by external and internal methods. <i>Advances in Cement Research</i> , 2015 , 27, 417-423	1.8	11
5	Energy costs of house construction. <i>Energy Policy</i> , 1976 , 4, 144-157	7.2	10
4	Discussion of the paper "A new view on the kinetics of tricalcium silicate hydration," by L. Nicoleau and A. Nonat, Cem. Concr. Res. 86 (2016) 1-11. <i>Cement and Concrete Research</i> , 2018 , 104, 114-117	10.3	7
3	New Control Strategies for Raw Mix Preparation. <i>IEEE Transactions on Industry Applications</i> , 1986 , IA-22, 324-329	4.3	5
2	Calcium Silicate Hydrates Studied by Small-Angle Neutron Scattering (SANS). <i>Journal of the American Ceramic Society</i> , 2004 , 85, 1303-1305	3.8	4

- 1 Formation of soluble anhydrite by salicylic acid extraction of calcium silicosulfate. *Cement and Concrete Research*, **1984**, 14, 839-842

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