

Gwenn Le Saout

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.

50
papers

5,016
citations

30
h-index

52
g-index

52
ext. papers

5,992
ext. citations

6.6
avg, IF

5.62
L-index

#	Paper	IF	Citations
50	Hydration of a calcium sulfoaluminate cement blended with zincite. <i>Advances in Cement Research</i> , 2021 , 33, 183-191	1.8	
49	Understanding the setting and hardening process of wollastonite-based brushite cement. Part 2: Influence of the boron and aluminum concentrations in the mixing solution. <i>Cement and Concrete Research</i> , 2021 , 140, 106288	10.3	2
48	Understanding the setting and hardening process of wollastonite-based brushite cement. Part 1: Influence of the Ca/P ratio and H3PO4 concentration of the mixing solution. <i>Cement and Concrete Research</i> , 2020 , 134, 106094	10.3	4
47	Tectonic and climate control on allochthonous bauxite deposition. Example from the mid-Cretaceous Villeveyrac basin, southern France. <i>Sedimentary Geology</i> , 2020 , 407, 105727	2.8	2
46	Effects of Basicity and Mesh on Cr Leaching of EAF Carbon Steel Slag. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 121	2.6	3
45	Setting and hardening process of a wollastonite-based brushite cement. <i>Cement and Concrete Research</i> , 2018 , 106, 65-76	10.3	11
44	Influence of triethanolamine on cement pastes at early age of hydration. <i>Advances in Cement Research</i> , 2018 , 30, 159-171	1.8	9
43	Hydration of calcium aluminate cement blended with anhydrite. <i>Advances in Cement Research</i> , 2018 , 30, 24-36	1.8	14
42	Hardened behavior of mortar based on recycled aggregate: Influence of saturation state at macro- and microscopic scales. <i>Construction and Building Materials</i> , 2017 , 141, 479-490	6.7	26
41	The effect of chemical composition on the leaching behaviour of electric arc furnace (EAF) carbon steel slag during a standard leaching test. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 1050-1060	6.8	42
40	The effect of microstructure on the leaching behaviour of electric arc furnace (EAF) carbon steel slag. <i>Chemical Engineering Research and Design</i> , 2016 , 102, 810-821	5.5	23
39	Fresh behavior of mortar based on recycled sand Influence of moisture condition. <i>Construction and Building Materials</i> , 2016 , 106, 35-42	6.7	29
38	The influence of slightly and highly soluble carbonate salts on phase relations in hydrated calcium aluminate cements. <i>Journal of Materials Science</i> , 2016 , 51, 6062-6074	4.3	14
37	The Influence of Metakaolin on Limestone Reactivity in Cementitious Materials. <i>RILEM Bookseries</i> , 2015 , 11-19	0.5	5
36	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
35	Elucidating the Role of the Aluminous Source on Limestone Reactivity in Cementitious Materials. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 4076-4089	3.8	36
34	Incorporation of aluminium in calcium-silicate-hydrates. <i>Cement and Concrete Research</i> , 2015 , 75, 91-103	10.3	193

33	Immobilization of metal hexacyanoferrates in chitin beads for cesium sorption: synthesis and characterization. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10007	13	83
32	The efficiency of quartz addition on electric arc furnace (EAF) carbon steel slag stability. <i>Journal of Hazardous Materials</i> , 2014 , 279, 586-96	12.8	40
31	Mitigation of ASR by the use of LiNO ₃ characterization of the reaction products. <i>Cement and Concrete Research</i> , 2014 , 59, 73-86	10.3	39
30	Influence of limestone and anhydrite on the hydration of Portland cements. <i>Cement and Concrete Composites</i> , 2014 , 46, 99-108	8.6	188
29	Hydration of Portland cement with additions of calcium sulfoaluminates. <i>Cement and Concrete Research</i> , 2013 , 43, 81-94	10.3	137
28	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
27	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
26	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
25	Thermodynamic modeling of solid solutions between monosulfate and monochromate 3CaO [Al ₂ O ₃ [Ca[(CrO ₄) _x (SO ₄) _{1-x}]] _n H ₂ O. <i>Cement and Concrete Research</i> , 2012 , 42, 158-165	10.3	28
24	Hydration of a low-alkali CEM III/B/BiO ₂ cement (LAC). <i>Cement and Concrete Research</i> , 2012 , 42, 410-423	10.3	113
23	Alkali-Silica Reaction: the Influence of Calcium on Silica Dissolution and the Formation of Reaction Products. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 1243-1249	3.8	103
22	Hydration Degree of Alkali-Activated Slags: A ²⁹ Si NMR Study. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 4541-4547	3.8	89
21	Application of the Rietveld method to the analysis of anhydrous cement. <i>Cement and Concrete Research</i> , 2011 , 41, 133-148	10.3	138
20	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
19	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
18	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
17	Influence of the calcium sulphate source on the hydration mechanism of Portland cement calcium sulfoaluminate clinker calcium sulphate binders. <i>Cement and Concrete Composites</i> , 2011 , 33, 551-561	8.6	88
16	Iron in carbonate containing AFm phases. <i>Cement and Concrete Research</i> , 2011 , 41, 311-323	10.3	82

15	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
14	Solid solutions between CrO ₄ - and SO ₄ -ettringite Ca ₆ (Al(OH) ₆) ₂ [(CrO ₄) _x (SO ₄) _(1-x)] ₃ ·26 H ₂ O. <i>Environmental Science & Technology</i> , 2010 , 44, 8983-8	10.3	41
13	Impact of chloride on the mineralogy of hydrated Portland cement systems. <i>Cement and Concrete Research</i> , 2010 , 40, 1009-1022	10.3	249
12	Raman and infrared structural investigation of (PbO) _x (ZnO)(0.6x)(P ₂ O ₅) _{0.4} glasses. <i>Journal of Raman Spectroscopy</i> , 2009 , 40, 522-526	2.3	10
11	Improved quantification of alite and belite in anhydrous Portland cements by ²⁹ Si MAS NMR: effects of paramagnetic ions. <i>Solid State Nuclear Magnetic Resonance</i> , 2009 , 36, 32-44	3.1	57
10	Influence of limestone on the hydration of Portland cements. <i>Cement and Concrete Research</i> , 2008 , 38, 848-860	10.3	782
9	Durability of Hardened Portland Cement Paste used for Oilwell Cementing. <i>Oil and Gas Science and Technology</i> , 2007 , 62, 335-345	1.9	18
8	Chemical structure of cement aged at normal and elevated temperatures and pressures. <i>Cement and Concrete Research</i> , 2006 , 36, 71-78	10.3	76
7	Chemical structure of cement aged at normal and elevated temperatures and pressures, Part II: Low permeability class G oilwell cement. <i>Cement and Concrete Research</i> , 2006 , 36, 428-433	10.3	48
6	Micropore size analysis in oil-well cement by proton nuclear relaxation. <i>Magnetic Resonance Imaging</i> , 2005 , 23, 371-3	3.3	3
5	Study of oilwell cements by solid-state NMR. <i>Comptes Rendus Chimie</i> , 2004 , 7, 383-388	2.7	20
4	Raman and infrared study of (PbO) _x (P ₂ O ₅) _(1-x) glasses. <i>Journal of Raman Spectroscopy</i> , 2002 , 33, 740-746.	3	97
3	Effects of thermal history on mechanical properties of (PbO) _x (ZnO)(0.6x)(P ₂ O ₅) _{0.4} glasses using Brillouin scattering. <i>Solid State Communications</i> , 2002 , 123, 49-54	1.6	13
2	Through-bond phosphorus-phosphorus connectivities in crystalline and disordered phosphates by solid-state NMR. <i>Chemical Communications</i> , 2002 , 1702-3	5.8	58
1	A multispectroscopic study of PbO _x ZnO _{0.6x} (P ₂ O ₅) _{0.4} glasses. <i>Journal of Non-Crystalline Solids</i> , 2001 , 293-295, 657-662	3.9	30