

# Alexandre Govin

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,269  
citations

430442

18  
h-index

642321

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1168  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy requirement for fine grinding of torrefied wood. <i>Biomass and Bioenergy</i> , 2010, 34, 923-930.	2.9	231
2	Cellulose ethers influence on water retention and consistency in cement-based mortars. <i>Cement and Concrete Research</i> , 2011, 41, 46-55.	4.6	205
3	Effect of polysaccharides on the hydration of cement paste at early ages. <i>Cement and Concrete Research</i> , 2004, 34, 2153-2158.	4.6	162
4	Modelling anhydrous weight loss of wood chips during torrefaction in a pilot kiln. <i>Biomass and Bioenergy</i> , 2010, 34, 602-609.	2.9	103
5	Alkaline stability of cellulose ethers and impact of their degradation products on cement hydration. <i>Cement and Concrete Research</i> , 2006, 36, 1252-1256.	4.6	63
6	Influence of the intrinsic characteristics of mortars on biofouling by <i>Klebsormidium flaccidum</i> . <i>International Biodeterioration and Biodegradation</i> , 2012, 70, 31-39.	1.9	58
7	A pulsed field gradient and NMR imaging investigations of the water retention mechanism by cellulose ethers in mortars. <i>Cement and Concrete Research</i> , 2010, 40, 1378-1385.	4.6	44
8	Modification of water retention and rheological properties of fresh state cement-based mortars by guar gum derivatives. <i>Construction and Building Materials</i> , 2016, 122, 772-780.	3.2	39
9	Improvements of calcium oxide based sorbents for multiple CO <sub>2</sub> capture cycles. <i>Powder Technology</i> , 2012, 228, 319-323.	2.1	38
10	Influence of the intrinsic characteristics of mortars on their biofouling by pigmented organisms: Comparison between laboratory and field-scale experiments. <i>International Biodeterioration and Biodegradation</i> , 2014, 86, 334-342.	1.9	38
11	Influence of the polysaccharide addition method on the properties of fresh mortars. <i>Cement and Concrete Research</i> , 2015, 70, 50-59.	4.6	36
12	Avrami's law based kinetic modeling of colonization of mortar surface by alga <i>Klebsormidium flaccidum</i> . <i>International Biodeterioration and Biodegradation</i> , 2013, 79, 73-80.	1.9	31
13	Impact of hydroxypropylguars on the early age hydration of Portland cement. <i>Cement and Concrete Research</i> , 2013, 44, 69-76.	4.6	29
14	Importance of coil-overlapping for the effectiveness of hydroxypropylguars as water retention agent in cement-based mortars. <i>Cement and Concrete Research</i> , 2014, 56, 61-68.	4.6	29
15	New insights into wood and cement interaction. <i>Holzforschung</i> , 2005, 59, 330-335.	0.9	28
16	Influence of hydroxypropylguars on rheological behavior of cement-based mortars. <i>Cement and Concrete Research</i> , 2014, 58, 161-168.	4.6	28
17	Nuclear magnetic relaxation dispersion investigations of water retention mechanism by cellulose ethers in mortars. <i>Cement and Concrete Research</i> , 2012, 42, 1371-1378.	4.6	26
18	Combination of superplasticizers with hydroxypropyl guar, effect on cement-paste properties. <i>Construction and Building Materials</i> , 2019, 215, 595-604.	3.2	21

#	ARTICLE	IF	CITATIONS
19	Influence of polycarboxylate superplasticizer, citric acid and their combination on the hydration and workability of calcium sulfoaluminate cement. <i>Cement and Concrete Research</i> , 2021, 147, 106513.	4.6	21
20	Use of ultrasonic degradation to study the molecular weight influence of polymeric admixtures for mortars. <i>Construction and Building Materials</i> , 2013, 47, 1046-1052.	3.2	16
21	Reactor scale study of self-heating and self-ignition of torrefied wood in contact with oxygen. <i>Fuel</i> , 2018, 214, 590-596.	3.4	16
22	Laryngeal teflonoma identified by Fourier-transform infrared microspectroscopy after forensic autopsy: An interesting tool for foreign material identification in forensic cases. <i>Forensic Science International</i> , 2012, 214, e26-e29.	1.3	6
23	Étude de l'influence de l'incorporation de la poudre de bois d' <i>Eucalyptus camaldulensis</i> Dehn sur la cinétique d'hydratation du coulis de ciment. <i>Materiaux Et Techniques</i> , 2021, 109, 203.	0.3	1