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Séminaire du LCPMR

Lithium in cementitious materials: use, abuse and analytical challenges

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While the importance of Li in batteries is now widely known not only for scientists and for the general public, there are, of course, some lesser known applications. This is typically the case for cementitious materials. Indeed, various lithium salts (lithium nitrate, lithium carbonate, ...) are known to have effects on the hydration and long-term behaviour of concrete. Considering the difficulty to analyze both cementitious materials, which are a complex microstructural mixture of calcium silicate hydrates and other various hydrous phases, and lithium, this use offers interesting research perspectives. We will review and discuss some examples.

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