

Influence of Nucleation Seeding on the Hydration Mechanism of Cement

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Hydration Kinetics and Microstructure Development of Normal and CaCl ₂ -Accelerated Tricalcium Silicate Pastes. Journal of Physical Chemistry C, 2009, 113, 19836-19844.	1.5	111
2	Hydration of tricalcium silicate in the presence of synthetic calcium silicate hydrate. Journal of Materials Chemistry, 2009, 19, 7937.	6.7	154
3	Small Changes Can Make a Great Difference. Transportation Research Record, 2010, 2141, 1-5.	1.0	55
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5	Spontaneous precipitation of calcium silicate hydrate in aqueous solutions. Crystal Research and Technology, 2010, 45, 39-47.	0.6	17
6	Dissolution theory applied to the induction period in alite hydration. Cement and Concrete Research, 2010, 40, 831-844.	4.6	368
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8	Influence of TiO ₂ Nanoparticles on Early C ₃ S Hydration. Journal of the American Ceramic Society, 2010, 93, 3399-3405.	1.9	154
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13	Influence of Additions of Anatase TiO ₂ Nanoparticles on Early-Age Properties of Cement-Based Materials. Transportation Research Record, 2010, 2141, 41-46.	1.0	77
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22	A new approach in quantitative in-situ XRD of cement pastes: Correlation of heat flow curves with early hydration reactions. Cement and Concrete Research, 2011, 41, 123-128.	4.6	256
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492	Impurity-Free Synthesis of Calcium Silicate Hydrate Seed-Based Concrete Hardening Accelerator from Agricultural Waste. Journal of Materials in Civil Engineering, 2023, 35, .	1.3	0
493	Effects of using aqueous graphene on behavior and mechanical performance of cement-based composites. Construction and Building Materials, 2023, 368, 130466.	3.2	3
494	Direct observation of C3S particles greater than 10 ^{1/4} µm during early hydration. Construction and Building Materials, 2023, 369, 130548.	3.2	1
495	Recent Advances in C-S-H Nucleation Seeding for Improving Cement Performances. Materials, 2023, 16, 1462.	1.3	21
496	Experimental study on the potential use of CO ₂ as an admixture in concrete. Innovative Infrastructure Solutions, 2023, 8, .	1.1	0
497	Effects of Using Aluminum Sulfate as an Accelerator and Acrylic Acid, Aluminum Fluoride, or Alkanolamine as a Regulator in Early Cement Setting. Materials, 2023, 16, 1620.	1.3	0
498	Synthesis and application of calcium silicate hydrate (C-S-H) nanoparticles for early strength enhancement by eco-friendly low carbon binders. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2023, 78, 215-221.	0.3	0
499	Catalysis and Regulation of Graphene Oxide on Hydration Properties and Microstructure of Cement-Based Materials. ACS Sustainable Chemistry and Engineering, 2023, 11, 5626-5643.	3.2	4
500	THE EFFECT OF VARYING ADDITION RATES AND CARBONATION OF HIGH Ca/Si RATIO C-S-H SYNTHESIZED BY COMPLEX POLYMERIZATION METHOD ON THE NUCLEATION SEEDING. Cement Science and Concrete Technology, 2023, 76, 537-544.	0.1	0
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524	The influence of the addition of concrete slurry waste on the hydration process of Portland cement. AIP Conference Proceedings, 2023, , .	0.3	0
557	Utilization of Synthetic Gyrolite in Ordinary Portland Cement. , 2024, , 211-261.		0
566	Geochemical applications of mineral-water interactions. , 2024, , .		0