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Composition and density of nanoscale calcium-silicate-hydrate in cement

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430 429 428	The micromechanical signature of high-volume natural pozzolan concrete by combined statistical nanoindentation and SEM-EDS analyses. <i>Cement and Concrete Research</i> , <b>2017</b> , 91, 1-12  Production of H2 by water radiolysis in cement paste under electron irradiation: A joint experimental and theoretical study. <i>Cement and Concrete Research</i> , <b>2017</b> , 100, 110-118  Mechanism of Vanadium Leaching during Surface Weathering of Basic Oxygen Furnace Steel Slag Blocks: A Microfocus X-ray Absorption Spectroscopy and Electron Microscopy Study. <b>2017</b> , 51, 7823-7830  Investigation of the mechanical, microstructural and mineralogical morphology of soundless cracking demolition agents during the hydration process. <b>2017</b> , 130, 9-24  Novel understanding of calcium silicate hydrate from dilute hydration. <i>Cement and Concrete</i>		49 9 35
430 429 428 427	The micromechanical signature of high-volume natural pozzolan concrete by combined statistical nanoindentation and SEM-EDS analyses. <i>Cement and Concrete Research</i> , <b>2017</b> , 91, 1-12  Production of H2 by water radiolysis in cement paste under electron irradiation: A joint experimental and theoretical study. <i>Cement and Concrete Research</i> , <b>2017</b> , 100, 110-118  Mechanism of Vanadium Leaching during Surface Weathering of Basic Oxygen Furnace Steel Slag Blocks: A Microfocus X-ray Absorption Spectroscopy and Electron Microscopy Study. <b>2017</b> , 51, 7823-7830  Investigation of the mechanical, microstructural and mineralogical morphology of soundless cracking demolition agents during the hydration process. <b>2017</b> , 130, 9-24  Novel understanding of calcium silicate hydrate from dilute hydration. <i>Cement and Concrete</i>	0.3	49 9 35 25
430 429 428 427 426	The micromechanical signature of high-volume natural pozzolan concrete by combined statistical nanoindentation and SEM-EDS analyses. <i>Cement and Concrete Research</i> , <b>2017</b> , 91, 1-12  Production of H2 by water radiolysis in cement paste under electron irradiation: A joint experimental and theoretical study. <i>Cement and Concrete Research</i> , <b>2017</b> , 100, 110-118  Mechanism of Vanadium Leaching during Surface Weathering of Basic Oxygen Furnace Steel Slag Blocks: A Microfocus X-ray Absorption Spectroscopy and Electron Microscopy Study. <b>2017</b> , 51, 7823-7830  Investigation of the mechanical, microstructural and mineralogical morphology of soundless cracking demolition agents during the hydration process. <b>2017</b> , 130, 9-24  Novel understanding of calcium silicate hydrate from dilute hydration. <i>Cement and Concrete Research</i> , <b>2017</b> , 99, 95-105  Molecular dynamics study of solvated aniline and ethylene glycol monomers confined in calcium	0.3	49 9 35 25 32

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51	The Future and Development Trends of Concrete. <b>2022</b> , 565-593		
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48	Experimental Analysis on performance of Engineered Cementitious Composite with Reactive Nano, Micro MgO, Micro Tio 2 at Normal and H 2 So 4 acid conditions.		
47	The effects of nano-silica on early-age hydration reactions of nano Portland cement. <b>2022</b> , 133, 104698	3	O
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45	Influence of multi-walled carbon nanotubes on the multi-scale performance of internally cured concrete containing pre-wetted lightweight aggregate. <b>2022</b> , 58, 104986		1

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43	Molecular design and experiment of ion transport inhibitors towards concrete sustainability. <b>2022</b> , 133, 104710	O
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40	Molecular dynamics simulation of C-S-H corrosion in chloride environment. <b>2022</b> , 104568	0
39	Influence of Silica Fume Additive and Activator Ratio on Mechanical Properties in Slaked Lime-Based Alkali-Activated Mortars.	Ο
38	Time-Resolved SAXS Investigation of Correlation-Collapse in Self-Assembled Silica Microgranules during Pozzolanic Gelling. <b>2022</b> , 126, 16785-16791	О
37	Molecular dynamics study on the influence of graphene oxide on the tensile behavior of calcium silicate hydrate composites. <b>2022</b> , 126881	Ο
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34	Antibacterial Inorganic Coating of Calcium Silicate Hydrate Substrates by Copper Incorporation.	О
33	Degradation of CâBâH(I) at different decalcification degrees.	O
32	Stochastic fatigue damage model for concrete under complex stress states.	О
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29	Nanoscale insight into structural characteristics and dynamic properties of C-S-H after decalcification by reactive molecular dynamics simulations. <b>2022</b> , 33, 104684	O
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25	Reactivity of BOF slag under autoclaving conditions. <b>2023</b> , 364, 129957	Ο
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22	Al Content Effect on Microstructure and Strength in Calcium Aluminosilicate Hydrate Chain Integration. <b>2022</b> , 54, 929-941	0
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19	Pull-Out of Pristine and Functionalized Carbon Nanotubes from Cement: A Molecular Modelling Study. <b>2022</b> , 8, 80	O
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16	Molecular dynamics simulation and experimental study on mechanical properties and microstructure of cement-based composites enhanced by graphene oxide and graphene. 1-12	0
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13	The nucleation of CâBâ⊞ via prenucleation clusters. <b>2023</b> , 158, 114309	O
12	Assessing the unsaturated transport and adsorption properties of ions in nanopores of realistic hydrated-calcium-silicate gel using molecular dynamics simulations. <b>2023</b> , 222, 112121	0
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9	Influence of light radiation on performance-structure of tricalcium silicate (C3S) hydration products. <b>2023</b> , 35, 105836	O

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