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## Characterisation of cement hydrate phases by TEM, NMR and Raman spectroscopy

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#	Paper	IF	Citations
129	Fred Glasser Cement Science Symposium. <i>Advances in Cement Research</i> , <b>2010</b> , 22, 185-186	1.8	1
128	Hydration Degree of Alkali-Activated Slags: A <sup>29</sup> Si NMR Study. <b>2011</b> , 94, 4541-4547		89
127	The structure of silicate ions in C-S-H discussed from chemical composition. <i>Advances in Cement Research</i> , <b>2012</b> , 24, 263-281	1.8	10
126	Raman spectroscopic study of the mineral xonotlite Ca <sub>6</sub> Si <sub>6</sub> O <sub>17</sub> (OH) <sub>2</sub> component of plaster boards. <b>2012</b> , 47, 3644-3649		11
125	<sup>29</sup> Si NMR in Cement: A Theoretical Study on Calcium Silicate Hydrates. <b>2012</b> , 116, 9755-9761		68
124	Hydration of Blended Portland Cements Containing Calcium-Aluminosilicate Glass Powder and Limestone. <b>2012</b> , 95, 403-409		18
123	Carbonation of ternary cement systems. <i>Construction and Building Materials</i> , <b>2012</b> , 27, 313-318	6.7	25
122	Multi-Scale Modeling and Characterization of Infrastructure Materials. <b>2013</b> ,		4
121	A Raman spectroscopic study of the evolution of sulfates and hydroxides in cement fly ash pastes. <i>Cement and Concrete Research</i> , <b>2013</b> , 53, 91-103	10.3	35
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119	Hydration of Portland cement with additions of calcium sulfoaluminates. <i>Cement and Concrete Research</i> , <b>2013</b> , 43, 81-94	10.3	137
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117	Hydration of calcium aluminates and calcium sulfoaluminate studied by Raman spectroscopy. <i>Cement and Concrete Research</i> , <b>2013</b> , 47, 43-50	10.3	91
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115	Review of Multiscale Characterization Techniques and Multiscale Modeling Methods for Cement Concrete: From Atomistic to Continuum. <b>2013</b> , 325-341		1
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113	Fluoride ions as structural probe-ions in <sup>19</sup> F MAS NMR studies of cement materials and thermally activated SCMs. <i>Advances in Cement Research</i> , <b>2014</b> , 26, 233-246	1.8	1

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109	Glycerol Salicylate-based Pulp-Capping Material Containing Portland Cement. <b>2015</b> , 26, 357-62		1
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107	Composition, silicate anion structure and morphology of calcium silicate hydrates (C-S-H) synthesised by silica-lime reaction and by controlled hydration of tricalcium silicate (C3S). <b>2015</b> , 114, 362-371		66
106	Carbonation of C-S-H and C-A-S-H samples studied by <sup>13</sup> C, <sup>27</sup> Al and <sup>29</sup> Si MAS NMR spectroscopy. <i>Cement and Concrete Research</i> , <b>2015</b> , 71, 56-65	10.3	174
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91	Characterization of C <sub>3</sub> S and C <sub>2</sub> S phases by electron microscopy imaging, diffraction, and energy dispersive X-ray spectroscopy. <b>2017</b> , 100, 1733-1742		10
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80	Optimization of SEM-EDS to determine the C <sub>3</sub> A/S <sub>2</sub> H composition in matured cement paste samples. <b>2017</b> , 123, 294-306		81
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- 4 Al uptake in calcium silicate hydrate and the effect of alkali hydroxide. **2022**, 162, 106957 1
- 3 <sup>29</sup>Si NMR Investigation of the Effect of Acetic and Oxalic Acids on Portland-Limestone Cement Hydration. 1071, 247-252 0
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