

# William Wilson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/27512/publications.pdf>

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759233

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1125743

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docs citations

13  
times ranked

413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydration and microstructure of glass powder cement pastes – A multi-technique investigation. Cement and Concrete Research, 2022, 151, 106610.	11.0	32
2	Chloride sorption by C-S-H quantified by SEM-EDX image analysis. Cement and Concrete Research, 2022, 152, 106656.	11.0	25
3	Insights on chemical and physical chloride binding in blended cement pastes. Cement and Concrete Research, 2022, 156, 106747.	11.0	45
4	edxia: Microstructure characterisation from quantified SEM-EDS hypermaps. Cement and Concrete Research, 2021, 141, 106327.	11.0	82
5	Quantifying glass powder reaction in blended-cement pastes with the Rietveld-PONKCS method. Cement and Concrete Research, 2020, 130, 105999.	11.0	41
6	Investigating the pozzolanic reaction of post-consumption glass powder and the role of portlandite in the formation of sodium-rich C-S-H. Cement and Concrete Research, 2019, 123, 105790.	11.0	36
7	Micro-chemo-mechanical features of ultra-high performance glass concrete (UHPC). Theoretical and Applied Fracture Mechanics, 2019, 104, 102373.	4.7	23
8	Nanocellulose for improved concrete performance: A macro-to-micro investigation for disclosing the effects of cellulose filaments on strength of cement systems. Construction and Building Materials, 2019, 206, 84-96.	7.2	88
9	Unveiling micro-chemo-mechanical properties of C <sub>2</sub> (A)-S-H and other phases in blended-cement pastes. Cement and Concrete Research, 2018, 107, 317-336.	11.0	54
10	Micro-Chemo-Mechanical Characterization of a Limestone-Calcinated-Clay Cement Paste by Statistical Nanoindentation and Quantitative SEM-EDS. RILEM Bookseries, 2018, , 494-499.	0.4	3
11	Automated coupling of NanoIndentation and Quantitative Energy-Dispersive Spectroscopy (NI-QEDS): A comprehensive method to disclose the micro-chemo-mechanical properties of cement pastes. Cement and Concrete Research, 2018, 103, 49-65.	11.0	75
12	Inference of the phase-to-mechanical property link via coupled X-ray spectrometry and indentation analysis: Application to cement-based materials. Cement and Concrete Research, 2015, 67, 271-285.	11.0	80
13	Simultaneous assessment of phase chemistry, phase abundance and bulk chemistry with statistical electron probe micro-analyses: Application to cement clinkers. Cement and Concrete Research, 2014, 55, 35-48.	11.0	18