

# Matthew Aguayo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11172082/publications.pdf>

Version: 2024-02-01

10  
papers

695  
citations

1040056

9  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural packing- and rheology-based binder selection and characterization for Ultra-high Performance Concrete (UHPC). Cement and Concrete Research, 2018, 103, 179-190.	11.0	94
2	Microstructure-guided numerical simulations to predict the thermal performance of a hierarchical cement-based composite material. Cement and Concrete Composites, 2018, 87, 20-28.	10.7	23
3	Elucidating the influences of compliant microscale inclusions on the fracture behavior of cementitious composites. Cement and Concrete Composites, 2018, 94, 13-23.	10.7	8
4	Porous inclusions as hosts for phase change materials in cementitious composites: Characterization, thermal performance, and analytical models. Construction and Building Materials, 2017, 134, 574-584.	7.2	53
5	The influence of microencapsulated phase change material (PCM) characteristics on the microstructure and strength of cementitious composites: Experiments and finite element simulations. Cement and Concrete Composites, 2016, 73, 29-41.	10.7	128
6	Fracture process zone and tensile behavior of blended binders containing limestone powder. Cement and Concrete Research, 2015, 73, 51-62.	11.0	36
7	The fracture response of blended formulations containing limestone powder: Evaluations using two-parameter fracture model and digital image correlation. Cement and Concrete Composites, 2014, 53, 316-326.	10.7	54
8	Electrically driven chloride ion transport in blended binder concretes: Insights from experiments and numerical simulations. Cement and Concrete Research, 2014, 66, 1-10.	11.0	27
9	Microstructural, Mechanical, and Durability Related Similarities in Concretes Based on OPC and Alkali-Activated Slag Binders. International Journal of Concrete Structures and Materials, 2014, 8, 289-299.	3.2	28
10	Hydration and strength development in ternary portland cement blends containing limestone and fly ash or metakaolin. Cement and Concrete Composites, 2013, 39, 93-103.	10.7	244