

Matthew Aguayo

List of Publications by Year in descending order

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