Tandr Oey

List of Publications by Citations

19 papers	900 citations	15 h-index	19 g-index
19 ext. papers	1,075 ext. citations	5.5 avg, IF	3.99 L-index

#	Paper	IF	Citations
19	The Filler Effect: The Influence of Filler Content and Surface Area on Cementitious Reaction Rates. *Journal of the American Ceramic Society*, **2013**, 96, 1978-1990	3.8	213
18	Hydration and strength development in ternary portland cement blends containing limestone and fly ash or metakaolin. *Cement and Concrete Composites*, **2013**, 39, 93-103	8.6	167
17	On the feasibility of using phase change materials (PCMs) to mitigate thermal cracking in cementitious materials. *Cement and Concrete Composites*, **2014**, 51, 14-26	8.6	97
16	Simple methods to estimate the influence of limestone fillers on reaction and property evolution in cementitious materials. *Cement and Concrete Composites*, **2013**, 42, 20-29	8.6	86
15	The filler effect: The influence of filler content and type on the hydration rate of tricalcium silicate. *Journal of the American Ceramic Society*, **2017**, 100, 3316-3328	3.8	45
14	A comparison of intergrinding and blending limestone on reaction and strength evolution in cementitious materials. *Construction and Building Materials*, **2013**, 43, 428-435	6.7	45
13	Clinkering-free cementation by fly ash carbonation. *Journal of CO2 Utilization*, **2018**, 23, 117-127	7.6	38
12	Topological controls on the dissolution kinetics of glassy aluminosilicates. *Journal of the American Ceramic Society*, **2017**, 100, 5521-5527	3.8	34
11	Water Vapor Sorption in Cementitious Materials: Measurement, Modeling and Interpretation. *Transport in Porous Media*, **2014**, 103, 69-98	3.1	31
10	New insights into the prehydration of cement and its mitigation. *Cement and Concrete Research*, **2015**, 70, 94-103	10.3	28
9	An improved basis for characterizing the suitability of fly ash as a cement replacement agent. *Journal of the American Ceramic Society*, **2017**, 100, 4785-4800	3.8	27
8	The Influence of Water Activity on the Hydration Rate of Tricalcium Silicate. *Journal of the American Ceramic Society*, **2016**, 99, 2481-2492	3.8	17
7	The role of the network-modifier's field-strength in the chemical durability of aluminoborate glasses. *Journal of Non-Crystalline Solids*, **2019**, 505, 279-285	3.9	17
6	Rate controls on silicate dissolution in cementitious environments. *RILEM Technical Letters*,2, 67-73		15
5	Machine learning can predict setting behavior and strength evolution of hydrating cement systems. *Journal of the American Ceramic Society*, **2020**, 103, 480-490	3.8	15
4	Topological controls on aluminosilicate glass dissolution: Complexities induced in hyperalkaline aqueous environments. *Journal of the American Ceramic Society*, **2020**, 103, 6198-6207	3.8	8
3	Calcium nitrate: A chemical admixture to inhibit aggregate dissolution and mitigate expansion caused by alkali-silica reaction. *Cement and Concrete Composites*, **2020**, 110, 103592	8.6	7

List of Publications

2	Enhancing Silicate Dissolution Kinetics in Hyperalkaline Environments. *Journal of Physical Chemistry C*, **2019**, 123, 3687-3695	3.8	6
1	Electrochemically Enhanced Dissolution of Silica and Alumina in Alkaline Environments. *Langmuir*, **2019**, 35, 15651-15660	4	4