

Tandr Oey

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Calcium nitrate: A chemical admixture to inhibit aggregate dissolution and mitigate expansion caused by alkali-silica reaction. <i>Cement and Concrete Composites</i> , 2020 , 110, 103592	8.6	7
18	Topological controls on aluminosilicate glass dissolution: Complexities induced in hyperalkaline aqueous environments. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6198-6207	3.8	8
17	Machine learning can predict setting behavior and strength evolution of hydrating cement systems. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 480-490	3.8	15
16	Electrochemically Enhanced Dissolution of Silica and Alumina in Alkaline Environments. <i>Langmuir</i> , 2019 , 35, 15651-15660	4	4
15	Enhancing Silicate Dissolution Kinetics in Hyperalkaline Environments. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 3687-3695	3.8	6
14	The role of the network-modifier & field-strength in the chemical durability of aluminoborate glasses. <i>Journal of Non-Crystalline Solids</i> , 2019 , 505, 279-285	3.9	17
13	Clinkering-free cementation by fly ash carbonation. <i>Journal of CO2 Utilization</i> , 2018 , 23, 117-127	7.6	38
12	The filler effect: The influence of filler content and type on the hydration rate of tricalcium silicate. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 3316-3328	3.8	45
11	An improved basis for characterizing the suitability of fly ash as a cement replacement agent. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 4785-4800	3.8	27
10	Topological controls on the dissolution kinetics of glassy aluminosilicates. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 5521-5527	3.8	34
9	The Influence of Water Activity on the Hydration Rate of Tricalcium Silicate. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2481-2492	3.8	17
8	New insights into the prehydration of cement and its mitigation. <i>Cement and Concrete Research</i> , 2015 , 70, 94-103	10.3	28
7	Water Vapor Sorption in Cementitious Materials Measurement, Modeling and Interpretation. <i>Transport in Porous Media</i> , 2014 , 103, 69-98	3.1	31
6	On the feasibility of using phase change materials (PCMs) to mitigate thermal cracking in cementitious materials. <i>Cement and Concrete Composites</i> , 2014 , 51, 14-26	8.6	97
5	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	8.6	167
4	A comparison of intergrinding and blending limestone on reaction and strength evolution in cementitious materials. <i>Construction and Building Materials</i> , 2013 , 43, 428-435	6.7	45
3	Simple methods to estimate the influence of limestone fillers on reaction and property evolution in cementitious materials. <i>Cement and Concrete Composites</i> , 2013 , 42, 20-29	8.6	86

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| 2 | The Filler Effect: The Influence of Filler Content and Surface Area on Cementitious Reaction Rates. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1978-1990 | 3.8 | 213 |
| 1 | Rate controls on silicate dissolution in cementitious environments. <i>RILEM Technical Letters</i> , 2, 67-73 | | 15 |