

# Yamei Cai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4178938/publications.pdf>

Version: 2024-02-01

11  
papers

294  
citations

1163117

8  
h-index

1372567

10  
g-index

11  
all docs

11  
docs citations

11  
times ranked

254  
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of tetraethyl orthosilicate silane (TEOS) for surface-treatment of hardened cement-based materials: A comparison study with normal treatment agents. Construction and Building Materials, 2016, 117, 144-151.	7.2	58
2	The effects of nanoSiO <sub>2</sub> on the properties of fresh and hardened cement-based materials through its dispersion with silica fume. Construction and Building Materials, 2017, 148, 770-780.	7.2	57
3	Effects of nano-SiO <sub>2</sub> and glass powder on mitigating alkali-silica reaction of cement glass mortars. Construction and Building Materials, 2019, 201, 295-302.	7.2	52
4	Effect of seawater as mixing water on the hydration behaviour of tricalcium aluminate. Cement and Concrete Research, 2021, 149, 106565.	11.0	38
5	In situ Ca(OH) <sub>2</sub> consumption of TEOS on the surface of hardened cement-based materials and its improving effects on the Ca-leaching and sulfate-attack resistivity. Construction and Building Materials, 2016, 113, 890-896.	7.2	22
6	Effects of the hydration reactivity of ultrafine magnesium oxide on cement-based materials. Magazine of Concrete Research, 2017, 69, 1135-1145.	2.0	20
7	Comparative studies on passivation and corrosion behaviors of two types of steel bars in simulated concrete pore solution. Construction and Building Materials, 2021, 266, 120971.	7.2	16
8	Mechanisms on Accelerating Hydration of Alite Mixed with Inorganic Salts in Seawater and Characteristics of Hydration Products. ACS Sustainable Chemistry and Engineering, 2021, 9, 10479-10490.	6.7	16
9	Influence of the availability of calcium on the hydration of tricalcium aluminate (C <sub>3</sub> A) in seawater-mixed C <sub>3</sub> A-gypsum system. Journal of the American Ceramic Society, 2022, 105, 5895-5910.	3.8	6
10	Effects of Nano-CaCO <sub>3</sub> on the Properties of Cement Paste: Hardening Process and Shrinkage at Different Humidity Levels. , 2016, , .		5
11	Physicochemical investigation of Portland cement pastes prepared and cured with seawater. Materials and Structures/Materiaux Et Constructions, 2022, 55, .	3.1	4