

Yamei Cai

List of Publications by Year in descending order

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11
papers

294
citations

1162889

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h-index

1372474

10
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11
all docs

11
docs citations

11
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the availability of calcium on the hydration of tricalcium aluminate (C_3A) in seawater mixed C_3A gypsum system. Journal of the American Ceramic Society, 2022, 105, 5895-5910.	1.9	6
2	Physicochemical investigation of Portland cement pastes prepared and cured with seawater. Materials and Structures/Materiaux Et Constructions, 2022, 55, .	1.3	4
3	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.	3.2	16
4	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.	3.2	16
5	Effect of seawater as mixing water on the hydration behaviour of tricalcium aluminate. Cement and Concrete Research, 2021, 149, 106565.	4.6	38
6	Effects of nano-SiO ₂ and glass powder on mitigating alkali-silica reaction of cement glass mortars. Construction and Building Materials, 2019, 201, 295-302.	3.2	52
7	The effects of nanoSiO ₂ on the properties of fresh and hardened cement-based materials through its dispersion with silica fume. Construction and Building Materials, 2017, 148, 770-780.	3.2	57
8	Effects of the hydration reactivity of ultrafine magnesium oxide on cement-based materials. Magazine of Concrete Research, 2017, 69, 1135-1145.	0.9	20
9	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.	3.2	58
10	In situ $Ca(OH)_2$ 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.	3.2	22
11	Effects of Nano- $CaCO_3$ on the Properties of Cement Paste: Hardening Process and Shrinkage at Different Humidity Levels. , 2016, , .		5