

Lijuan Kong

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

287
citations

933447

10
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

201
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism study of the role of biofilm played in sewage corrosion of mortar. Construction and Building Materials, 2018, 164, 44-56.	7.2	34
2	Application potential of alkali-activated concrete for antimicrobial induced corrosion: A review. Construction and Building Materials, 2022, 317, 126169.	7.2	31
3	Application of AC impedance technique in study of lightweight aggregate-paste interface. Construction and Building Materials, 2015, 82, 332-340.	7.2	29
4	Chemical reactivity of lightweight aggregate in cement paste. Construction and Building Materials, 2014, 64, 22-27.	7.2	25
5	Study on the applicability of bactericides to prevent concrete microbial corrosion. Construction and Building Materials, 2017, 149, 1-8.	7.2	25
6	Evaluation on relationship between accelerated carbonation and deterioration of concrete subjected to a high-concentrated sewage environment. Construction and Building Materials, 2020, 237, 117650.	7.2	19
7	Effect of ceramsite structure on microstructure of interfacial zone and durability of combined aggregate concrete. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 145-149.	1.0	14
8	Effect of coarse aggregate on the interfacial transition zone of concrete based on grey correlation. Magazine of Concrete Research, 2014, 66, 339-347.	2.0	13
9	Interfacial interaction of aggregate-cement paste in concrete. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 117-121.	1.0	13
10	Effect of Bactericide on the Deterioration of Concrete Against Sewage. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	11
11	Investigation of the interfacial transition zone between aggregate-cement paste by AC impedance spectroscopy. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 865-871.	1.0	10
12	Effect of corrosion layer on the deterioration of concrete in gravity sewers. Construction and Building Materials, 2021, 272, 121663.	7.2	10
13	Nano TiO ₂ -engineered anti-corrosion concrete for sewage system. Journal of Cleaner Production, 2022, 337, 130508.	9.3	10
14	Effect of lightweight aggregate pre-wetting on microstructure and permeability of mixed aggregate concrete. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 838-842.	1.0	9
15	Evaluation of the effect of surface coatings on protection of concrete against sewage-induced degradation based on gray correlation analysis. Journal of Coatings Technology Research, 2018, 15, 1311-1323.	2.5	9
16	Characterization and Comparison of Corrosion Layer Microstructure between Cement Mortar and Alkali-Activated Fly Ash/Slag Mortar Exposed to Sulfuric Acid and Acetic Acid. Materials, 2022, 15, 1527.	2.9	7
17	Assessment of coatings for protection of cement paste against microbial induced deterioration through image analysis. Construction and Building Materials, 2018, 191, 342-353.	7.2	6
18	Effectiveness of Surface Coatings Against Intensified Sewage Corrosion of Concrete. Journal Wuhan University of Technology, Materials Science Edition, 2019, 34, 1177-1186.	1.0	6

#	ARTICLE	IF	CITATIONS
19	Effect of Curing Conditions on the Strength Development of Alkali-Activated Mortar. Crystals, 2021, 11, 1455.	2.2	5
20	Deterioration of Fully Flow-Through Concrete Sewers Subjected to an Accelerated Sewage Environment. Journal of Materials in Civil Engineering, 2021, 33, 04021082.	2.9	1