

Linwen Yu

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

868
citations

394421

19
h-index

477307

29
g-index

38
all docs

38
docs citations

38
times ranked

582
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of chloride-induced corrosion in pre-cracked RC beams under sustained loading: Effect of load-induced cracks, concrete cover, and exposure conditions. <i>Cement and Concrete Research</i> , 2015, 67, 246-258.	11.0	89
2	Structural performance of RC beams damaged by natural corrosion under sustained loading in a chloride environment. <i>Engineering Structures</i> , 2015, 96, 30-40.	5.3	66
3	Distribution of corrosion and pitting factor of steel in corroded RC beams. <i>Construction and Building Materials</i> , 2015, 95, 384-392.	7.2	60
4	Immobilization of Cr(VI) by hydrated Portland cement pastes with and without calcium sulfate. <i>Journal of Hazardous Materials</i> , 2018, 342, 242-251.	12.4	56
5	Setting behaviours and early-age microstructures of alkali-activated ground granulated blast furnace slag (GGBS) from different regions in China. <i>Cement and Concrete Composites</i> , 2020, 114, 103782.	10.7	53
6	Characterisation of pore structure development of alkali-activated slag cement during early hydration using electrical responses. <i>Cement and Concrete Composites</i> , 2018, 89, 139-149.	10.7	49
7	An experimental and numerical investigation of coarse aggregate settlement in fresh concrete under vibration. <i>Cement and Concrete Composites</i> , 2021, 122, 104153.	10.7	41
8	Influence of artificial cracks and interfacial defects on the corrosion behavior of steel in concrete during corrosion initiation under a chloride environment. <i>Construction and Building Materials</i> , 2020, 253, 119165.	7.2	34
9	An environment-friendly pretreatment process of municipal solid waste incineration fly ash to enhance the immobilization efficiency by alkali-activated slag cement. <i>Journal of Cleaner Production</i> , 2021, 290, 125728.	9.3	28
10	Characteristics of the steel-concrete interface and their effect on the corrosion of steel bars in concrete. <i>Construction and Building Materials</i> , 2020, 253, 119162.	7.2	27
11	The Durability of Recycled Fine Aggregate Concrete: A Review. <i>Materials</i> , 2022, 15, 1110.	2.9	27
12	Effect of Early Age-Curing Methods on Drying Shrinkage of Alkali-Activated Slag Concrete. <i>Materials</i> , 2019, 12, 1633.	2.9	26
13	Utilization of Iron Tailings Sand as an Environmentally Friendly Alternative to Natural River Sand in High-Strength Concrete: Shrinkage Characterization and Mitigation Strategies. <i>Materials</i> , 2020, 13, 5614.	2.9	26
14	Chloride binding capacity of LDHs with various divalent cations and divalent to trivalent cation ratios in different solutions. <i>CrystEngComm</i> , 2019, 21, 6790-6800.	2.6	25
15	Influence of steel-concrete interface defects induced by top-casting on development of chloride-induced corrosion in RC beams under sustained loading. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 5169-5181.	3.1	23
16	First structural use of site-cast, alkali-activated slag concrete in China. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2018, 171, 800-809.	0.8	21
17	Influence of load-induced cracks coupled or not with top-casting-induced defects on the corrosion of the longitudinal tensile reinforcement of naturally corroded beams exposed to chloride environment under sustained loading. <i>Cement and Concrete Research</i> , 2020, 129, 105972.	11.0	21
18	A comparative study on shrinkage characteristics of graphene oxide (GO) and graphene nanoplatelets (GNPs) modified alkali-activated slag cement composites. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	3.1	21

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19	Mitigation of efflorescence of alkali-activated slag mortars by incorporating calcium hydroxide. <i>Construction and Building Materials</i> , 2021, 298, 123873.	7.2	21
20	Understanding the rheological properties of alkali-activated slag pastes from the cohesion and friction interactions. <i>Construction and Building Materials</i> , 2021, 291, 123311.	7.2	19
21	Novel Ca-SLS-LDH nanocomposites obtained via lignosulfonate modification for corrosion protection of steel bars in simulated concrete pore solution. <i>Applied Clay Science</i> , 2021, 211, 106195.	5.2	19
22	An Investigation of the Properties of Expanded Polystyrene Concrete with Fibers Based on an Orthogonal Experimental Design. <i>Materials</i> , 2022, 15, 1228.	2.9	14
23	Understanding the aqueous phases of alkali-activated slag paste under water curing. <i>Advances in Cement Research</i> , 2021, 33, 59-73.	1.6	13
24	Corrosion behavior of stirrups in corroded concrete beams exposed to chloride environment under sustained loading. <i>Construction and Building Materials</i> , 2021, 274, 121987.	7.2	12
25	A Study on the Mechanical Properties and Microcosmic Mechanism of Basalt Fiber Modified Rubber Ceramsite Concrete. <i>Buildings</i> , 2022, 12, 103.	3.1	10
26	Influence of top-casting-induced defects on the corrosion of the compressive reinforcement of naturally corroded beams under sustained loading. <i>Construction and Building Materials</i> , 2019, 229, 116912.	7.2	9
27	Understanding the binding and leaching of Cr(VI) in calcium aluminate cement based solidified/stabilized pastes. <i>Construction and Building Materials</i> , 2020, 262, 120040.	7.2	9
28	Improving the carbonation resistance of alkali-activated slag mortars by calcined Mg/Al layered double hydroxides. <i>Applied Clay Science</i> , 2022, 216, 106379.	5.2	8
29	Mechanical performance of deep beams damaged by corrosion in a chloride environment. <i>European Journal of Environmental and Civil Engineering</i> , 2018, 22, 523-545.	2.1	6
30	Research progress on rubber concrete properties: a review. <i>Journal of Rubber Research (Kuala) Tj ETQq0 0 0 rgBT /Overlock 1Q Tf 50 302</i>	1.1	6
31	Modification of Rubberized Concrete: A Review. <i>Buildings</i> , 2022, 12, 999.	3.1	6
32	Quantified research on the nonuniform distribution of expanded polystyrene beads in sandwich panels. <i>Construction and Building Materials</i> , 2020, 263, 120672.	7.2	5
33	Study on the Mitigative Effect of Controlled Permeable Formwork (CPF) Liner on Early-Age Shrinkage of Box-Girder Concrete. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-8.	1.8	4
34	Evaluating the chloride permeability of steel-concrete interface based on concretes of different stability. <i>Structural Concrete</i> , 2021, 22, 2636-2649.	3.1	4
35	Early hydration of blast furnace slag in the presence of sodium chromate. <i>Construction and Building Materials</i> , 2021, 297, 123775.	7.2	4
36	Quantification of Ceramsite Granules in Lightweight Concrete Panels through an Image Analysis Technique. <i>Materials</i> , 2022, 15, 1063.	2.9	4

#	ARTICLE	IF	CITATIONS
37	Ca-LDH-modified cementitious coating to enhance corrosion resistance of steel bars. Journal of Building Engineering, 2022, 51, 104301.	3.4	2
38	Corrigendum to "Study on the Mitigative Effect of Controlled Permeable Formwork (CPF) Liner on Early-Age Shrinkage of Box-Girder Concrete", Advances in Materials Science and Engineering, 2020, 1-1.	1.8	0