Linwen Yu

List of Publications by Year
in descending order

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38	868	394421	477307
papers	citations	19	29
		h-index	g-index

38	38	38	582
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Study on the Mechanical Properties and Microcosmic Mechanism of Basalt Fiber Modified Rubber Ceramsite Concrete. Buildings, 2022, 12, 103.	3.1	10
2	The Durability of Recycled Fine Aggregate Concrete: A Review. Materials, 2022, 15, 1110.	2.9	27
3	Quantification of Ceramsite Granules in Lightweight Concrete Panels through an Image Analysis Technique. Materials, 2022, 15, 1063.	2.9	4
4	Improving the carbonation resistance of alkali-activated slag mortars by calcined Mg/Al layered double hydroxides. Applied Clay Science, 2022, 216, 106379.	5.2	8
5	An Investigation of the Properties of Expanded Polystyrene Concrete with Fibers Based on an Orthogonal Experimental Design. Materials, 2022, 15, 1228.	2.9	14
6	Ca-LDH-modified cementitious coating to enhance corrosion resistance of steel bars. Journal of Building Engineering, 2022, 51, 104301.	3.4	2
7	Research progress on rubber concrete properties: a review. Journal of Rubber Research (Kuala) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	6
8	Modification of Rubberized Concrete: A Review. Buildings, 2022, 12, 999.	3.1	6
9	Evaluating the chloride permeability of steelâ€“concrete interface based on concretes of different stability. Structural Concrete, 2021, 22, 2636-2649.	3.1	4
10	Understanding the aqueous phases of alkali-activated slag paste under water curing. Advances in Cement Research, 2021, 33, 59-73.	1.6	13
11	Corrosion behavior of stirrups in corroded concrete beams exposed to chloride environment under sustained loading. Construction and Building Materials, 2021, 274, 121987.	7.2	12
12	An environment-friendly pretreatment process of municipal solid waste incineration fly ash to enhance the immobilization efficiency by alkali-activated slag cement. Journal of Cleaner Production, 2021, 290, 125728.	9.3	28
13	A comparative study on shrinkage characteristics of graphene oxide (GO) and graphene nanoplatelets (GNPs) modified alkali-activated slag cement composites. Materials and Structures/Materiaux Et Constructions, 2021, 54, 1.	3.1	21
14	Understanding the rheological properties of alkali-activated slag pastes from the cohesion and friction interactions. Construction and Building Materials, 2021, 291, 123311.	7.2	19
15	Early hydration of blast furnace slag in the presence of sodium chromate. Construction and Building Materials, 2021, 297, 123775.	7.2	4
16	An experimental and numerical investigation of coarse aggregate settlement in fresh concrete under vibration. Cement and Concrete Composites, 2021, 122, 104153.	10.7	41
17	Novel Ca-SLS-LDH nanocomposites obtained via lignosulfonate modification for corrosion protection of steel bars in simulated concrete pore solution. Applied Clay Science, 2021, 211, 106195.	5.2	19
18	Mitigation of efflorescence of alkali-activated slag mortars by incorporating calcium hydroxide. Construction and Building Materials, 2021, 298, 123873.	7.2	21

#	Article	IF	Citations
19	Corrigendum to â€œStudy on the Mitigative Effect of Controlled Permeable Formwork (CPF) Liner on Early-Age Shrinkage of Box-Girder Concreteâ€• Advances in Materials Science and Engineering, 2020, 2020, 1-1.	1.8	0
20	Understanding the binding and leaching of Cr(VI) in calcium aluminate cement based solidified/stabilized pastes. Construction and Building Materials, 2020, 262, 120040.	7.2	9
21	Setting behaviours and early-age microstructures of alkali-activated ground granulated blast furnace slag (GGBS) from different regions in China. Cement and Concrete Composites, 2020, 114, 103782.	10.7	53
22	Utilization of Iron Tailings Sand as an Environmentally Friendly Alternative to Natural River Sand in High-Strength Concrete: Shrinkage Characterization and Mitigation Strategies. Materials, 2020, 13, 5614.	2.9	26
23	Quantified research on the nonuniform distribution of expanded polystyrene beads in sandwich panels. Construction and Building Materials, 2020, 263, 120672.	7.2	5
24	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. Cement and Concrete Research, 2020, 129, 105972.	11.0	21
25	Characteristics of the steel-concrete interface and their effect on the corrosion of steel bars in concrete. Construction and Building Materials, 2020, 253, 119162.	7.2	27
26	Influence of artificial cracks and interfacial defects on the corrosion behavior of steel in concrete during corrosion initiation under a chloride environment. Construction and Building Materials, 2020, 253, 119165.	7.2	34
27	Influence of top-casting-induced defects on the corrosion of the compressive reinforcement of naturally corroded beams under sustained loading. Construction and Building Materials, 2019, 229, 116912.	7.2	9
28	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, 2019, 2019, 1-8.	1.8	4
29	Effect of Early Age-Curing Methods on Drying Shrinkage of Alkali-Activated Slag Concrete. Materials, 2019, 12, 1633.	2.9	26
30	Chloride binding capacity of LDHs with various divalent cations and divalent to trivalent cation ratios in different solutions. CrystEngComm, 2019, 21, 6790-6800.	2.6	25
31	Characterisation of pore structure development of alkali-activated slag cement during early hydration using electrical responses. Cement and Concrete Composites, 2018, 89, 139-149.	10.7	49
32	Mechanical performance of deep beams damaged by corrosion in a chloride environment. European Journal of Environmental and Civil Engineering, 2018, 22, 523-545.	2.1	6
33	First structural use of site-cast, alkali-activated slag concrete in China. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2018, 171, 800-809.	0.8	21
34	Immobilization of Cr(VI) by hydrated Portland cement pastes with and without calcium sulfate. Journal of Hazardous Materials, 2018, 342, 242-251.	12.4	56
35	Influence of steelâ€“concrete interface defects induced by top-casting on development of chloride-induced corrosion in RC beams under sustained loading. Materials and Structures/Materiaux Et Constructions, 2016, 49, 5169-5181.	3.1	23
36	Structural performance of RC beams damaged by natural corrosion under sustained loading in a chloride environment. Engineering Structures, 2015, 96, 30-40.	5.3	66

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37	Distribution of corrosion and pitting factor of steel in corroded RC beams. Construction and Building Materials, 2015, 95, 384-392.	7.2	60
38	Development of chloride-induced corrosion in pre-cracked RC beams under sustained loading: Effect of load-induced cracks, concrete cover, and exposure conditions. Cement and Concrete Research, 2015, 67, 246-258.	11.0	89