Eshmaiel Ganjian

List of Publications by Year in descending order

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ESHMAIEL CANHAN

#	Article	lF	CITATIONS
1	Insights into the positive effects of power ultrasound on the pore solution of Portland cement pastes. Cement and Concrete Composites, 2022, 125, 104302.	10.7	11
2	Mechanochemical Characterisation of Calcined Impure Kaolinitic Clay as a Composite Binder in Cementitious Mortars. Journal of Composites Science, 2022, 6, 134.	3.0	10
3	A methodology for reactive transport modelling and geomechanical investigation of wellbores in CO2 storage sites. Construction and Building Materials, 2021, 268, 121100.	7.2	2
4	The effect of quarry waste dust and reclaimed asphalt filler in hydraulically bound mixtures containing plasterboard gypsum and GGBS. Journal of Cleaner Production, 2021, 279, 123584.	9.3	9
5	Mechanical refining combined with chemical treatment for the processing of Bamboo fibres to produce efficient cement composites. Construction and Building Materials, 2021, 269, 121232.	7.2	18
6	Incorporation of a nanotechnology-based product in cementitious binders for sustainable mitigation of sulphate-induced heaving of stabilised soils. Engineering Science and Technology, an International Journal, 2021, 24, 436-448.	3.2	14
7	Parametric study on the integrity of wellbores in CO2 storage sites. Construction and Building Materials, 2021, 268, 121060.	7.2	3
8	Microstructure and Physical-Mechanical Characteristics of Treated Kaolin-Bentonite Mixture for Application in Compacted Liner Systems. Sustainability, 2021, 13, 1617.	3.2	8
9	Performance assessment of cathodically protected reinforced concrete structure based on alternative performance criterion: a case study. Journal of Building Pathology and Rehabilitation, 2021, 6, 1.	1.5	0
10	Use of Waste Gypsum, Reclaimed Asphalt Filler, and GGBS as a Full Replacement of Cement in Road Base. Journal of Materials in Civil Engineering, 2021, 33, 04021115.	2.9	1
11	Socio-economic and environmental barriers for a holistic asset lifecycle approach to achieve circular economy: A pattern-matching method. Technological Forecasting and Social Change, 2021, 170, 120798.	11.6	38
12	Inhibitor efficiency of migratory corrosion inhibitors to reduce corrosion in reinforced concrete exposed to high chloride environment. Construction and Building Materials, 2021, 303, 124461.	7.2	36
13	Potential and current distribution across different layers of reinforcement in reinforced concrete cathodic protection system- A numerical study. Construction and Building Materials, 2020, 262, 120580.	7.2	13
14	Evaluation of conventional and equivalent mortar volume mix design methods for recycled aggregate concrete. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	3.1	17
15	Nonconventional Ca(OH)2 Treatment of Bamboo for the Reinforcement of Cement Composites. Materials, 2020, 13, 1892.	2.9	12
16	Performance assessment of specialist conductive paint for cathodic protection of steel in reinforced concrete structures. Construction and Building Materials, 2019, 223, 1083-1094.	7.2	18
17	A Study on the Chemo-Mechanical Alteration of Cement in CO2 Storage Sites. , 2019, , .		3
18	Prediction of the lifespan of cement at a specific depth based on the coupling of geomechanical and geochemical processes for CO2 storage. International Journal of Greenhouse Gas Control, 2019, 86, 43-65.	4.6	11

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19	Sustainable Construction Materials and Technologies. Journal of Materials in Civil Engineering, 2019, 31, 02019001.	2.9	1
20	Predicting the corrosion rate of steel in cathodically protected concrete using potential shift. Construction and Building Materials, 2019, 194, 344-349.	7.2	27
21	Optimisation of secondary waste gypsum for mechanical stability in road (base) and foundation. , 2019, , .		2
22	The effect of blend copolymers on physico-mechanical properties of mortar. Kompleksnoe Ispolʹzovanie Mineralʹnogo Syrʹâ/Complex Use of Mineral Resources/Mineraldik Shikisattardy Keshendi Paidalanu, 2019, 4, 5-11.	0.2	0
23	Application of power ultrasound to cementitious materials: Advances, issues and perspectives. Materials and Design, 2018, 160, 503-513.	7.0	15
24	A Review of Corrosion and Protection of Steel in Concrete. Arabian Journal for Science and Engineering, 2018, 43, 5035-5055.	3.0	103
25	A review of oil well cement alteration in CO2-rich environments. Construction and Building Materials, 2018, 186, 946-968.	7.2	48
26	Strength, durability and leaching properties of concrete paving blocks incorporating GGBS and SF. Construction and Building Materials, 2016, 113, 273-279.	7.2	50
27	Zinc-Rich Paint As Anode for Cathodic Protection of Steel in Concrete. Journal of Materials in Civil Engineering, 2015, 27, .	2.9	8
28	Manufacturing of bacterial nano-cellulose reinforced fiberâ^'cement composites. Construction and Building Materials, 2015, 101, 958-964.	7.2	90
29	Using waste materials and by-products to produce concrete paving blocks. Construction and Building Materials, 2015, 77, 270-275.	7.2	58
30	Special Issue on Sustainable Construction Materials. Journal of Materials in Civil Engineering, 2015, 27, .	2.9	0
31	Reducing Cement Contents of Paving Blocks by Using Mineral Waste and by-Product Materials. Journal of Materials in Civil Engineering, 2015, 27, .	2.9	5
32	The impact of variation in chemical and physical properties of PFA and BPD semi-dry cement paste on strength properties. Construction and Building Materials, 2015, 96, 248-255.	7.2	3
33	Using ground granulated blast-furnace slag and mineral wastes to reduce cement in paving block. Proceedings of Institution of Civil Engineers: Construction Materials, 2014, 167, 91-103.	1.1	2
34	The effect of limestone powder, silica fume and fibre content on flexural behaviour of cement composite reinforced by waste Kraft pulp. Construction and Building Materials, 2013, 46, 142-149.	7.2	53
35	Corrosion mitigation of chloride-contaminated reinforced concrete structures: a state-of-the-art review. Proceedings of Institution of Civil Engineers: Construction Materials, 2011, 164, 21-28.	1.1	4
36	Effect of Steel Slag and Portland Cement in the Rate of Hydration and Strength of Blast Furnace Slag Pastes. Journal of Materials in Civil Engineering, 2011, 23, 153-160.	2.9	64

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37	Comparing flexural behaviour of fibre–cement composites reinforced bagasse: Wheat and eucalyptus. Construction and Building Materials, 2011, 25, 3661-3667.	7.2	85
38	Special Section on Sustainable Construction Materials. Journal of Materials in Civil Engineering, 2011, 23, 729-729.	2.9	0
39	The effect of Persian Gulf tidal zone exposure on durability of mixes containing silica fume and blast furnace slag. Construction and Building Materials, 2009, 23, 644-652.	7.2	71
40	Scrap-tyre-rubber replacement for aggregate and filler in concrete. Construction and Building Materials, 2009, 23, 1828-1836.	7.2	579
41	Factors affecting measurement of hydraulic conductivity in low-strength cementitious materials. Cement and Concrete Research, 2006, 36, 2109-2114.	11.0	7
42	Effect of magnesium and sulfate ions on durability of silica fume blended mixes exposed to the seawater tidal zone. Cement and Concrete Research, 2005, 35, 1332-1343.	11.0	94
43	Selection of Cementitious Mixes as a Barrier for Landfill Leachate Containment. Journal of Materials in Civil Engineering, 2004, 16, 477-486.	2.9	18
44	Preliminary investigations into the use of secondary waste minerals as a novel cementitious landfill liner. Construction and Building Materials, 2004, 18, 689-699.	7.2	19
45	Compressive Strength of Cement Mortar Using Sebha Clay, Treated by Sonication Method. Applied Mechanics and Materials, 0, 377, 60-68.	0.2	0