

Eshmaiel Ganjian

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,630
citations

471477

17
h-index

315719

38
g-index

46
all docs

46
docs citations

46
times ranked

1528
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the positive effects of power ultrasound on the pore solution of Portland cement pastes. <i>Cement and Concrete Composites</i> , 2022, 125, 104302.	10.7	11
2	Mechanochemical Characterisation of Calcined Impure Kaolinitic Clay as a Composite Binder in Cementitious Mortars. <i>Journal of Composites Science</i> , 2022, 6, 134.	3.0	10
3	A methodology for reactive transport modelling and geomechanical investigation of wellbores in CO2 storage sites. <i>Construction and Building Materials</i> , 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. <i>Journal of Cleaner Production</i> , 2021, 279, 123584.	9.3	9
5	Mechanical refining combined with chemical treatment for the processing of Bamboo fibres to produce efficient cement composites. <i>Construction and Building Materials</i> , 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. <i>Engineering Science and Technology, an International Journal</i> , 2021, 24, 436-448.	3.2	14
7	Parametric study on the integrity of wellbores in CO2 storage sites. <i>Construction and Building Materials</i> , 2021, 268, 121060.	7.2	3
8	Microstructure and Physical-Mechanical Characteristics of Treated Kaolin-Bentonite Mixture for Application in Compacted Liner Systems. <i>Sustainability</i> , 2021, 13, 1617.	3.2	8
9	Performance assessment of cathodically protected reinforced concrete structure based on alternative performance criterion: a case study. <i>Journal of Building Pathology and Rehabilitation</i> , 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. <i>Journal of Materials in Civil Engineering</i> , 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. <i>Technological Forecasting and Social Change</i> , 2021, 170, 120798.	11.6	38
12	Inhibitor efficiency of migratory corrosion inhibitors to reduce corrosion in reinforced concrete exposed to high chloride environment. <i>Construction and Building Materials</i> , 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. <i>Construction and Building Materials</i> , 2020, 262, 120580.	7.2	13
14	Evaluation of conventional and equivalent mortar volume mix design methods for recycled aggregate concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020, 53, 1.	3.1	17
15	Nonconventional Ca(OH) ₂ Treatment of Bamboo for the Reinforcement of Cement Composites. <i>Materials</i> , 2020, 13, 1892.	2.9	12
16	Performance assessment of specialist conductive paint for cathodic protection of steel in reinforced concrete structures. <i>Construction and Building Materials</i> , 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. <i>International Journal of Greenhouse Gas Control</i> , 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 Ispol'zovanie Mineral'nogo Syr'ca/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 fiber-reinforced 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 fibreâ€‘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