

Iman Mehdipour

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

820
citations

567281

15
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

729
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of particle-size distribution and specific surface area of different binder systems on packing density and flow characteristics of cement paste. <i>Cement and Concrete Composites</i> , 2017, 78, 120-131.	10.7	145
2	Understanding the role of particle packing characteristics in rheo-physical properties of cementitious suspensions: A literature review. <i>Construction and Building Materials</i> , 2018, 161, 340-353.	7.2	102
3	Linking fresh paste microstructure, rheology and extrusion characteristics of cementitious binders for 3D printing. <i>Journal of the American Ceramic Society</i> , 2019, 102, 3951-3964.	3.8	59
4	Effect of mineral admixtures on fluidity and stability of self-consolidating mortar subjected to prolonged mixing time. <i>Construction and Building Materials</i> , 2013, 40, 1029-1037.	7.2	58
5	Rheology, hydration, and strength evolution of interground limestone cement containing PCE dispersant and high volume supplementary cementitious materials. <i>Materials and Design</i> , 2017, 127, 54-66.	7.0	51
6	Optimized workability and mechanical properties of FRCM by using fiber factor approach: theoretical and experimental study. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 1149-1161.	3.1	48
7	How Microstructure and Pore Moisture Affect Strength Gain in Portlandite-Enriched Composites That Mineralize CO ₂ . <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13053-13061.	6.7	44
8	Effect of workability characteristics on the hardened performance of FRSCCMs. <i>Construction and Building Materials</i> , 2013, 40, 611-621.	7.2	43
9	Evaluation of steel fiber distribution in cement-based mortars using active microwave thermography. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 5051-5065.	3.1	33
10	Enhancing the performance of calcium sulfoaluminate blended cements with shrinkage reducing admixture or lightweight sand. <i>Cement and Concrete Composites</i> , 2018, 87, 29-43.	10.7	32
11	Relationship between workability and mechanical properties of fibre-reinforced self-consolidating mortar. <i>Magazine of Concrete Research</i> , 2013, 65, 1011-1022.	2.0	31
12	Controls on CO ₂ Mineralization Using Natural and Industrial Alkaline Solids under Ambient Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10727-10739.	6.7	25
13	Elucidating how particle packing controls rheology and strength development of dense cementitious suspensions. <i>Cement and Concrete Composites</i> , 2019, 104, 103413.	10.7	22
14	Effect of shrinkage reducing admixture on early expansion and strength evolution of calcium sulfoaluminate blended cement. <i>Cement and Concrete Composites</i> , 2018, 92, 82-91.	10.7	21
15	Linking stability characteristics to material performance of self-consolidating concrete-equivalent-mortar incorporating fly ash and metakaolin. <i>Construction and Building Materials</i> , 2016, 105, 206-217.	7.2	19
16	New insights into the mechanisms of carbon dioxide mineralization by portlandite. <i>AIChE Journal</i> , 2021, 67, e17160.	3.6	14
17	Feasibility of using near-field microwave reflectometry for monitoring autogenous crack healing in cementitious materials. <i>Cement and Concrete Composites</i> , 2018, 85, 161-173.	10.7	13
18	Effect of binder composition on time-dependent stability and robustness characteristics of self-consolidating mortar subjected to prolonged agitation. <i>Construction and Building Materials</i> , 2016, 112, 654-665.	7.2	12

#	ARTICLE	IF	CITATIONS
19	Isothermal Stimulation of Mineral Dissolution Processes by Acoustic Perturbation. Journal of Physical Chemistry C, 2018, 122, 28665-28673.	3.1	10
20	Elucidating the Role of Supplementary Cementitious Materials on Shrinkage and Restrained-Shrinkage Cracking of Flowable Eco-Concrete. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	9
21	Use of Near-Field Microwave Reflectometry to Evaluate Steel Fiber Distribution in Cement-Based Mortars. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	8
22	Temperature-Induced Aggregation in Portlandite Suspensions. Langmuir, 2020, 36, 10811-10821.	3.5	7
23	Dispersing nano- and micro-sized portlandite particulates via electrosteric exclusion at short screening lengths. Soft Matter, 2020, 16, 3425-3435.	2.7	6
24	The role of gas flow distributions on CO ₂ mineralization within monolithic cemented composites: coupled CFD-factorial design approach. Reaction Chemistry and Engineering, 2021, 6, 494-504.	3.7	5
25	How clay particulates affect flow cessation and the coiling stability of yield stress-matched cementing suspensions. Soft Matter, 2020, 16, 3929-3940.	2.7	2
26	Linking Fiber Factor to Material Performance of Fiber-Reinforced Self-Consolidating Cement-Based Materials. ACI Materials Journal, 2017, 114, .	0.2	0