Min Deng

List of Publications by Year
in descending order

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38	923	759233 12	454955 30
papers	citations	h-index	g-index

38	38	38	611
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental Method for Evaluating the Reactivity of Alkali-Carbonate Reaction Activity. Materials, 2022, 15, 2853.	2.9	1
2	Rapid Test Method for Evaluating Inhibiting Effectiveness of Supplementary Cementitious Materials on Alkaliâ€“Silica Reaction Expansion of Concrete. Materials, 2022, 15, 3202.	2.9	1
3	Inhibition of Alkali-Carbonate Reaction by Fly Ash and Metakaolin on Dolomitic Limestones. Materials, 2022, 15, 3538.	2.9	1
4	Hydration and Strength Development of Cementitious Materials Prepared with Phosphorous-Bearing Clinkers. Materials, 2021, 14, 508.	2.9	2
5	Hydrothermal Synthesis of Sodalite-Type N-A-S-H from Fly Ash to Remove Ammonium and Phosphorus from Water. Materials, 2021, 14, 2741.	2.9	8
6	Mitigating autogenous shrinkage using a combination of superabsorbent polymer and magnesia-based expansive additive. Advances in Cement Research, 2021, 33, 447-457.	1.6	1
7	Micro-Change Process of Calciumâ€“Magnesium Double Expansive Agent and Its Performance Characterization in Cement-Based Materials. Materials, 2021, 14, 3269.	2.9	1
8	Reaction conditions, characterization, dispersion properties of an eco-friendly aminosulfonate-bisphenol A-formaldehyde superplasticizer. Journal of Polymer Research, 2021, 28, 1.	2.4	0
9	Application of light-burnt dolomite as a mineral addition in concrete. Advances in Cement Research, 2020, 32, 435-443.	1.6	5
10	Effect of a Boric Acid Corrosive Environment on the Microstructure and Properties of Concrete. Materials, 2020, 13, 5036.	2.9	8
11	Effects of MgO Expansive Agent and Steel Fiber on Crack Resistance of a Bridge Deck. Materials, 2020, 13, 3074.	2.9	10
12	Adsorption and Desorption Characteristics of K+ and Na+ Ions in Fly Ash Blended Cement Pastes. Journal Wuhan University of Technology, Materials Science Edition, 2020, 35, 571-578.	1.0	1
13	Expansion of Dolomitic Rocks in TMAH and NaOH Solutions and Its Root Causes. Materials, 2020, 13, 308.	2.9	3
14	Effects of Steel Slag Powder and Expansive Agent on the Properties of Ultra-High Performance Concrete (UHPC): Based on a Case Study. Materials, 2020, 13, 683.	2.9	34
15	Influence of Combined Action of Steel Fiber and MgO on Chloride Diffusion Resistance of Concrete. Crystals, 2020, 10, 338.	2.2	2
16	Effects of curing condition and particle size of aggregate on the expansion and microstructure of dolomitic aggregates cured in TMAH solution. Royal Society Open Science, 2019, 6, 190044.	2.4	2
17	Effect of LiNO3 on Expansion of Alkaliâ€“Silica Reaction in Rock Prisms and Concrete Microbars Prepared by Sandstone. Materials, 2019, 12, 1150.	2.9	5
18	The Expansion Cracks of Dolomitic Aggregates Cured in TMAH Solution Caused by Alkaliâ€“Carbonate Reaction. Materials, 2019, 12, 1228.	2.9	6

#	Article	IF	Citations
19	Regulating the Expansion Characteristics of Cementitious Materials Using Blended MgO-Type Expansive Agent. Materials, 2019, 12, 976.	2.9	12
20	Effects of Lightly Burnt MgO Expansive Agent on the Deformation and Microstructure of Reinforced Concrete Wall. Advances in Materials Science and Engineering, 2019, 2019, 1-9.	1.8	2
21	Deformation and Compressive Strength of Steel Fiber Reinforced MgO Concrete. Materials, 2019, 12, 3617.	2.9	12
22	Effects of slurry composition on the electrolyte support structure and performance of electrolyte-supported planar solid oxide fuel cells. Ceramics International, 2019, 45, 1528-1534.	4.8	8
23	Effect of Particle Size of Periclase on the Periclase Hydration and Expansion of Low-Heat Portland Cement Pastes. Advances in Materials Science and Engineering, 2018, 2018, 1-8.	1.8	3
24	Adsorption and Desorption Characteristics of Alkali Ions in Hydrated C3S-nano SiO2 Pastes. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 1176-1185.	1.0	1
25	Reaction of quartz glass in lithium-containing alkaline solutions with or without Ca. Royal Society Open Science, 2018, 5, 180797.	2.4	6
26	Mechanical properties and microstructure of blended cement containing modified quartz tailing. Journal Wuhan University of Technology, Materials Science Edition, 2017, 32, 1140-1146.	1.0	10
27	Influence of pH on the formation of gypsum in cement materials during sulfate attack. Advances in Cement Research, 2015, 27, 487-493.	1.6	29
28	Deterioration mechanism of Portland cement paste subjected to sodium sulfate attack. Advances in Cement Research, 2015, 27, 477-486.	1.6	26
29	Deformation and mechanical properties of the expansive cements produced by inter-grinding cement clinker and MgOs with various reactivities. Construction and Building Materials, 2015, 80, 1-8.	7.2	47
30	Deformation and mechanical properties of quaternary blended cements containing ground granulated blast furnace slag, fly ash and magnesia. Cement and Concrete Research, 2015, 71, 7-13.	11.0	49
31	MgO expansive cement and concrete in China: Past, present and future. Cement and Concrete Research, 2014, 57, 1-12.	11.0	248
32	Early age stability of concrete pavement by using hybrid fiber together with MgO expansion agent in high altitude locality. Construction and Building Materials, 2013, 48, 685-690.	7.2	44
33	Physical properties of crushed air-cooled blast furnace slag and numerical representation of its morphology characteristics. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 973-978.	1.0	4
34	Surface modification of fly ashes with carbide slag and its effect on compressive strength and autogenous shrinkage of blended cement pastes. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 1149-1153.	1.0	11
35	Effect of crushed air-cooled blast furnace slag on mechanical properties of concrete. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 758-762.	1.0	16
36	Effect of combination of steel fiber and MgO-type expansive agent on properties of concrete. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 786-790.	1.0	24

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37	Effects of calcination condition on expansion property of MgO-type expansive agent used in cement-based materials. Cement and Concrete Research, 2010, 40, 437-446.	11.0	267
38	A new accelerated method for determining the potential alkali-carbonate reactivity. Cement and Concrete Research, 2002, 32, 851-857.	11.0	13