

Min Deng

List of Publications by Year in descending order

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38
papers

923
citations

759233

12
h-index

454955

30
g-index

38
all docs

38
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38
times ranked

611
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of calcination condition on expansion property of MgO-type expansive agent used in cement-based materials. <i>Cement and Concrete Research</i> , 2010, 40, 437-446.	11.0	267
2	MgO expansive cement and concrete in China: Past, present and future. <i>Cement and Concrete Research</i> , 2014, 57, 1-12.	11.0	248
3	Deformation and mechanical properties of quaternary blended cements containing ground granulated blast furnace slag, fly ash and magnesia. <i>Cement and Concrete Research</i> , 2015, 71, 7-13.	11.0	49
4	Deformation and mechanical properties of the expansive cements produced by inter-grinding cement clinker and MgOs with various reactivities. <i>Construction and Building Materials</i> , 2015, 80, 1-8.	7.2	47
5	Early age stability of concrete pavement by using hybrid fiber together with MgO expansion agent in high altitude locality. <i>Construction and Building Materials</i> , 2013, 48, 685-690.	7.2	44
6	Effects of Steel Slag Powder and Expansive Agent on the Properties of Ultra-High Performance Concrete (UHPC): Based on a Case Study. <i>Materials</i> , 2020, 13, 683.	2.9	34
7	Influence of pH on the formation of gypsum in cement materials during sulfate attack. <i>Advances in Cement Research</i> , 2015, 27, 487-493.	1.6	29
8	Deterioration mechanism of Portland cement paste subjected to sodium sulfate attack. <i>Advances in Cement Research</i> , 2015, 27, 477-486.	1.6	26
9	Effect of combination of steel fiber and MgO-type expansive agent on properties of concrete. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011, 26, 786-790.	1.0	24
10	Effect of crushed air-cooled blast furnace slag on mechanical properties of concrete. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 758-762.	1.0	16
11	A new accelerated method for determining the potential alkali-carbonate reactivity. <i>Cement and Concrete Research</i> , 2002, 32, 851-857.	11.0	13
12	Regulating the Expansion Characteristics of Cementitious Materials Using Blended MgO-Type Expansive Agent. <i>Materials</i> , 2019, 12, 976.	2.9	12
13	Deformation and Compressive Strength of Steel Fiber Reinforced MgO Concrete. <i>Materials</i> , 2019, 12, 3617.	2.9	12
14	Surface modification of fly ashes with carbide slag and its effect on compressive strength and autogenous shrinkage of blended cement pastes. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 1149-1153.	1.0	11
15	Mechanical properties and microstructure of blended cement containing modified quartz tailing. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 1140-1146.	1.0	10
16	Effects of MgO Expansive Agent and Steel Fiber on Crack Resistance of a Bridge Deck. <i>Materials</i> , 2020, 13, 3074.	2.9	10
17	Effects of slurry composition on the electrolyte support structure and performance of electrolyte-supported planar solid oxide fuel cells. <i>Ceramics International</i> , 2019, 45, 1528-1534.	4.8	8
18	Effect of a Boric Acid Corrosive Environment on the Microstructure and Properties of Concrete. <i>Materials</i> , 2020, 13, 5036.	2.9	8

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19	Hydrothermal Synthesis of Sodalite-Type N-A-S-H from Fly Ash to Remove Ammonium and Phosphorus from Water. <i>Materials</i> , 2021, 14, 2741.	2.9	8
20	Reaction of quartz glass in lithium-containing alkaline solutions with or without Ca. <i>Royal Society Open Science</i> , 2018, 5, 180797.	2.4	6
21	The Expansion Cracks of Dolomitic Aggregates Cured in TMAH Solution Caused by Alkali-Carbonate Reaction. <i>Materials</i> , 2019, 12, 1228.	2.9	6
22	Effect of LiNO ₃ on Expansion of Alkali-Silica Reaction in Rock Prisms and Concrete Microbars Prepared by Sandstone. <i>Materials</i> , 2019, 12, 1150.	2.9	5
23	Application of light-burnt dolomite as a mineral addition in concrete. <i>Advances in Cement Research</i> , 2020, 32, 435-443.	1.6	5
24	Physical properties of crushed air-cooled blast furnace slag and numerical representation of its morphology characteristics. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 973-978.	1.0	4
25	Effect of Particle Size of Periclase on the Periclase Hydration and Expansion of Low-Heat Portland Cement Pastes. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-8.	1.8	3
26	Expansion of Dolomitic Rocks in TMAH and NaOH Solutions and Its Root Causes. <i>Materials</i> , 2020, 13, 308.	2.9	3
27	Effects of curing condition and particle size of aggregate on the expansion and microstructure of dolomitic aggregates cured in TMAH solution. <i>Royal Society Open Science</i> , 2019, 6, 190044.	2.4	2
28	Effects of Lightly Burnt MgO Expansive Agent on the Deformation and Microstructure of Reinforced Concrete Wall. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-9.	1.8	2
29	Influence of Combined Action of Steel Fiber and MgO on Chloride Diffusion Resistance of Concrete. <i>Crystals</i> , 2020, 10, 338.	2.2	2
30	Hydration and Strength Development of Cementitious Materials Prepared with Phosphorous-Bearing Clinkers. <i>Materials</i> , 2021, 14, 508.	2.9	2
31	Adsorption and Desorption Characteristics of Alkali Ions in Hydrated C3S-nano SiO ₂ Pastes. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 1176-1185.	1.0	1
32	Adsorption and Desorption Characteristics of K ⁺ and Na ⁺ Ions in Fly Ash Blended Cement Pastes. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2020, 35, 571-578.	1.0	1
33	Mitigating autogenous shrinkage using a combination of superabsorbent polymer and magnesia-based expansive additive. <i>Advances in Cement Research</i> , 2021, 33, 447-457.	1.6	1
34	Micro-Change Process of Calcium-Magnesium Double Expansive Agent and Its Performance Characterization in Cement-Based Materials. <i>Materials</i> , 2021, 14, 3269.	2.9	1
35	Experimental Method for Evaluating the Reactivity of Alkali-Carbonate Reaction Activity. <i>Materials</i> , 2022, 15, 2853.	2.9	1
36	Rapid Test Method for Evaluating Inhibiting Effectiveness of Supplementary Cementitious Materials on Alkali-Silica Reaction Expansion of Concrete. <i>Materials</i> , 2022, 15, 3202.	2.9	1

#	ARTICLE	IF	CITATIONS
37	Inhibition of Alkali-Carbonate Reaction by Fly Ash and Metakaolin on Dolomitic Limestones. <i>Materials</i> , 2022, 15, 3538.	2.9	1
38	Reaction conditions, characterization, dispersion properties of an eco-friendly aminosulfonate-bisphenol A-formaldehyde superplasticizer. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	0