

Taewan Kim

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

176
citations

1162367
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144
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#	ARTICLE	IF	CITATIONS
1	Application and development of reverse osmosis brine in building materials: high-volume slag cement. <i>Journal of Sustainable Cement-Based Materials</i> , 2023, 12, 501-515.	1.7	0
2	Effect of reverse-osmosis brine and sodium aluminate on the hydration properties and strength of alkali-activated slag cement. <i>Case Studies in Construction Materials</i> , 2022, 16, e01078.	0.8	0
3	Development of Eco-Friendly Cement Using a Calcium Sulfoaluminate Expansive Agent Blended with Slag and Silica Fume. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 394.	1.3	10
4	Investigation of the Effect of Mixing Time on the Mechanical Properties of Alkali-Activated Cement Mixed with Fly Ash and Slag. <i>Materials</i> , 2021, 14, 2301.	1.3	2
5	Influence of seawater on alkali-activated slag concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	1.3	10
6	Characteristics of alkali-activated slag cement-based ultra-lightweight concrete with high-volume cenosphere. <i>Construction and Building Materials</i> , 2021, 302, 124165.	3.2	10
7	Behavior of Multiple Blocks Mounted Underwater Using Fluid-Structure Interaction and Contact Analysis. <i>Journal of Coastal Research</i> , 2021, 114, .	0.1	0
8	Development and Characteristics of Aerated Alkali-Activated Slag Cement Mixed with Zinc Powder. <i>Materials</i> , 2021, 14, 6293.	1.3	6
9	Pore and strength characteristics of alkali-activated slag paste with seawater. <i>Magazine of Concrete Research</i> , 2020, 72, 499-508.	0.9	15
10	Chloride-bearing characteristics of alkali-activated slag mixed with seawater: Effect of different salinity levels. <i>Cement and Concrete Composites</i> , 2020, 112, 103680.	4.6	28
11	The Effects of Aluminium Sulphate on Slag Paste Activated with Sodium Hydroxide and Sodium Silicate. <i>Materials</i> , 2020, 13, 2286.	1.3	2
12	The Mechanical Properties of Alkali-Activated Slag-Silica Fume Cement Pastes by Mixing Method. <i>International Journal of Concrete Structures and Materials</i> , 2020, 14, .	1.4	8
13	Investigation of the Effects of Magnesium-Sulfate as Slag Activator. <i>Materials</i> , 2020, 13, 305.	1.3	4
14	Strength and pore characteristics of OPC-slag cement paste mixed with polyaluminum chloride. <i>Construction and Building Materials</i> , 2019, 223, 616-628.	3.2	33
15	Investigating the Effects of Polyaluminum Chloride on the Properties of Ordinary Portland Cement. <i>Materials</i> , 2019, 12, 3290.	1.3	3
16	Hydration of Calcium Sulfoaluminate-Based Binder Incorporating Red Mud and Silica Fume. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2270.	1.3	6
17	Curable Area Substantiation of Self-Healing in Concrete Using Neutral Axis. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1537.	1.3	1
18	Properties of Alkali-Activated Slag Paste Using New Colloidal Nano-Silica Mixing Method. <i>Materials</i> , 2019, 12, 1571.	1.3	12

#	ARTICLE	IF	CITATIONS
19	Characteristics of Ordinary Portland Cement Using the New Colloidal Nano-Silica Mixing Method. Applied Sciences (Switzerland), 2019, 9, 4358.	1.3	8
20	The effects of polyaluminum chloride on the mechanical and microstructural properties of alkali-activated slag cement paste. Cement and Concrete Composites, 2019, 96, 46-54.	4.6	16
21	Mechanical Properties of Na ₂ CO ₃ -Activated High-Volume GGBFS Cement Paste. Advances in Civil Engineering, 2018, 2018, 1-9.	0.4	1
22	The compressive strength and microstructural properties of alkali-activated slag cement mixed with zinc oxide. Magazine of Concrete Research, 0, , 1-32.	0.9	1