

Taewan Kim

List of Publications by Year in descending order

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22
papers

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1162367

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | The effects of polyaluminum chloride on the mechanical and microstructural properties of alkali-activated slag cement paste. <i>Cement and Concrete Composites</i> , 2019, 96, 46-54. | 4.6 | 16 |
| 4 | Pore and strength characteristics of alkali-activated slag paste with seawater. <i>Magazine of Concrete Research</i> , 2020, 72, 499-508. | 0.9 | 15 |
| 5 | Properties of Alkali-Activated Slag Paste Using New Colloidal Nano-Silica Mixing Method. <i>Materials</i> , 2019, 12, 1571. | 1.3 | 12 |
| 6 | 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 |
| 7 | Influence of seawater on alkali-activated slag concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1. | 1.3 | 10 |
| 8 | 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 |
| 9 | Characteristics of Ordinary Portland Cement Using the New Colloidal Nano-Silica Mixing Method. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4358. | 1.3 | 8 |
| 10 | 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 |
| 11 | Hydration of Calcium Sulfoaluminate-Based Binder Incorporating Red Mud and Silica Fume. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2270. | 1.3 | 6 |
| 12 | Development and Characteristics of Aerated Alkali-Activated Slag Cement Mixed with Zinc Powder. <i>Materials</i> , 2021, 14, 6293. | 1.3 | 6 |
| 13 | Investigation of the Effects of Magnesium-Sulfate as Slag Activator. <i>Materials</i> , 2020, 13, 305. | 1.3 | 4 |
| 14 | Investigating the Effects of Polyaluminum Chloride on the Properties of Ordinary Portland Cement. <i>Materials</i> , 2019, 12, 3290. | 1.3 | 3 |
| 15 | The Effects of Aluminium Sulphate on Slag Paste Activated with Sodium Hydroxide and Sodium Silicate. <i>Materials</i> , 2020, 13, 2286. | 1.3 | 2 |
| 16 | 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 |
| 17 | Mechanical Properties of Na ₂ CO ₃ -Activated High-Volume GGBFS Cement Paste. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-9. | 0.4 | 1 |
| 18 | Curable Area Substantiation of Self-Healing in Concrete Using Neutral Axis. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1537. | 1.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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 |
| 20 | Behavior of Multiple Blocks Mounted Underwater Using Fluid-Structure Interaction and Contact Analysis. Journal of Coastal Research, 2021, 114, . | 0.1 | 0 |
| 21 | Effect of reverse-osmosis brine and sodium aluminate on the hydration properties and strength of alkali-activated slag cement. Case Studies in Construction Materials, 2022, 16, e01078. | 0.8 | 0 |
| 22 | Application and development of reverse osmosis brine in building materials: high-volume slag cement. Journal of Sustainable Cement-Based Materials, 2023, 12, 501-515. | 1.7 | 0 |