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Published journal articles indexed by SCI, SSCI, and AHCI

- I. Comprehensive investigation of performance of construction and demolition waste based wood fiber reinforced geopolymers
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Journal of Building Engineering, vol.84, 2024 (SCI-Expanded)
- II. Interlayer mechanical performance of 3D-printed cementitious systems: A comprehensive study on operational and material parameters
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- III. Low-alkaline activated construction and demolition waste-based geopolymers
İLCAN H., Demirbaş A. O., ULUGÖL H., ŞAHMARAN M.
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- IV. Buildability analysis on effect of structural design in 3D concrete printing (3DCP): An experimental and numerical study
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- V. Effect of duration and type of grinding on the particle size distribution and microstructure of natural pumice with low pozzolanic reactivity
Taj K., İLCAN H., Teksin E., Argın G., Ardoğa M. K., UZAL B., ŞAHMARAN M.
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- VI. Effect of industrial waste-based precursors on the fresh, hardened and environmental performance of construction and demolition wastes-based geopolymers
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- VII. The effects of various operational- and materials-oriented parameters on the carbonation performance of low-quality recycled concrete aggregate
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Journal of Building Engineering, vol.68, 2023 (SCI-Expanded)
- VIII. Characterization of chemically treated waste wood fiber and its potential application in cementitious composites
Tuğluca M., ÖZDOĞRU E., İLCAN H., Özçelikci E., ULUGÖL H., ŞAHMARAN M.
Cement and Concrete Composites, vol.137, 2023 (SCI-Expanded)
- IX. Rheological property and extrudability performance assessment of construction and demolition waste-based geopolymers with varied testing protocols
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Cement and Concrete Composites, vol.136, 2023 (SCI-Expanded)

- X. **Mechanical anisotropy evaluation and bonding properties of 3D-printable construction and demolition waste-based geopolymers mortars**
Demiral N. C., Ekinci M. O., ŞAHİN O., İLCAN H., KUL A., YILDIRIM G., ŞAHMARAN M.
CEMENT & CONCRETE COMPOSITES, vol.134, 2022 (SCI-Expanded)
- XI. **Rheological properties and compressive strength of construction and demolition waste-based geopolymers mortars for 3D-Printing**
İLCAN H., Sahin O., KUL A., YILDIRIM G., ŞAHMARAN M.
CONSTRUCTION AND BUILDING MATERIALS, vol.328, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **The impact of nozzle diameter and printing speed on geopolymers-based 3D-Printed concrete structures: Numerical modeling and experimental validation**
Khan S. A., İLCAN H., Imran R., Aminipour E., ŞAHİN O., Al Rashid A., ŞAHMARAN M., Koç M.
Results in Engineering, vol.21, 2024 (ESCI)
- II. **Conceptual design of autonomous rapid printing system for emergency and humanitarian needs**
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Materials Today: Proceedings, vol.70, pp.1-5, 2022 (Scopus)

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