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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **3D-printable construction and demolition waste-based geopolymer: Investigating the effects of additives on engineering properties**
İLCAN H., Külak A. Y., ŞAHMARAN M.
Journal of Building Engineering, vol.87, 2024 (SCI-Expanded)
- II. **Optimizing mechanical performance of geopolymers produced from construction and demolition waste: A comparative study of materials from different origins**
KUL A., Ozcelikci E., ÖZEL B. F., İLCAN H., ŞAHİN O., Gunal M. F., YILDIRIM G., ŞAHMARAN M.
Construction and Building Materials, vol.426, 2024 (SCI-Expanded)
- III. **Comprehensive investigation of performance of construction and demolition waste based wood fiber reinforced geopolymer composites**
Ozcelikci E., ÖZDOĞRU E., Tuğluca M., İLCAN H., ŞAHMARAN M.
Journal of Building Engineering, vol.84, 2024 (SCI-Expanded)
- IV. **Interlayer mechanical performance of 3D-printed cementitious systems: A comprehensive study on operational and material parameters**
İLCAN H., Özkılıç H., Tuğluca M., ŞAHMARAN M.
Construction and Building Materials, vol.419, 2024 (SCI-Expanded)
- V. **Low-alkaline activated construction and demolition waste-based geopolymers**
İLCAN H., Demirbaş A. O., ULUGÖL H., ŞAHMARAN M.
Construction and Building Materials, vol.411, 2024 (SCI-Expanded)
- VI. **Buildability analysis on effect of structural design in 3D concrete printing (3DCP): An experimental and numerical study**
Khan S. A., İLCAN H., Aminipour E., ŞAHİN O., Al Rashid A., ŞAHMARAN M., Koç M.
Case Studies in Construction Materials, vol.19, 2023 (SCI-Expanded)
- VII. **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., Argn G., Ardoğa M. K., UZAL B., ŞAHMARAN M.
Powder Technology, vol.428, 2023 (SCI-Expanded)
- VIII. **Effect of industrial waste-based precursors on the fresh, hardened and environmental performance of construction and demolition wastes-based geopolymers**
İLCAN H., ŞAHİN O., Unsal Z., Ozcelikci E., KUL A., Cağatay Demiral N., YEMİŞCİ ÖZKAN M., ŞAHMARAN M.
Construction and Building Materials, vol.394, 2023 (SCI-Expanded)
- IX. **The effects of various operational- and materials-oriented parameters on the carbonation performance of low-quality recycled concrete aggregate**
Dündar B., Tuğluca M., İLCAN H., ŞAHİN O., ŞAHMARAN M.
Journal of Building Engineering, vol.68, 2023 (SCI-Expanded)

- X. **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)
- XI. **Rheological property and extrudability performance assessment of construction and demolition waste-based geopolymer mortars with varied testing protocols**
İLCAN H., ŞAHİN O., KUL A., Ozcelikci E., ŞAHMARAN M.
Cement and Concrete Composites, vol.136, 2023 (SCI-Expanded)
- XII. **Mechanical anisotropy evaluation and bonding properties of 3D-printable construction and demolition waste-based geopolymer mortars**
Demiral N. C., Ekinçi M. O., ŞAHİN O., İLCAN H., KUL A., YILDIRIM G., ŞAHMARAN M.
CEMENT & CONCRETE COMPOSITES, vol.134, 2022 (SCI-Expanded)
- XIII. **Rheological properties and compressive strength of construction and demolition waste-based geopolymer 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 geopolymer-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**
Koç M., Khan S. A., İLCAN H., ŞAHMARAN M.
Materials Today: Proceedings, vol.70, pp.1-5, 2022 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Alkali-Treated Waste Wood Fiber Reinforcement for Geopolymer Composites: A Sustainable Approach for Waste Management**
SÖNMEZ TUĞLUCA M., ŞAHMARAN M., İLCAN H.
The 3rd International Civil Engineering & Architecture Conference, Trabzon, Turkey, 12 - 14 October 2023, pp.788-798
- II. **Effects of treated waste wood fibers incorporation on rheological properties of the construction and demolition waste-based geopolymer mortar**
İLCAN H., SÖNMEZ TUĞLUCA M., ŞAHİN O., ŞAHMARAN M.
4th International Congress on Materials & Structural Stability, Rabat, Malta, 6 - 10 October 2023, pp.95

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