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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **High-conductivity cementitious composites suited for flooring applications: Effect of mixing methods and utilization rates of conductive materials**
ÇELİK D. N., Belendir U., Ardoğa M. K., YILDIRIM G., ŞAHMARAN M.
Journal of Building Engineering, vol.87, 2024 (SCI-Expanded)
- II. **A study on the influencing parameters in developing construction and demolition waste-based geopolymers concretes and their sustainability assessment**
Alhawat M., Yıldırım G., Ashour A., Ozcelikci E., ALDEMİR A., ŞAHMARAN M.
Construction and Building Materials, vol.426, 2024 (SCI-Expanded)
- III. **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)
- IV. **Evaluation of Mechanical and Microstructural Properties of Engineered Geopolymer Composites with Construction and Demolition Waste-Based Matrices**
KUL A., Ozcelikci E., ÖZEL B. F., Gunal M. F., YILDIRIM G., Bayer I. R., Demir I.
Journal of Materials in Civil Engineering, vol.36, no.1, 2024 (SCI-Expanded)
- V. **Structural performance of construction and demolition waste-based geopolymer concrete columns under combined axial and lateral cyclic loading**
AKDUMAN Ş., AKTEPE R., ALDEMİR A., Ozcelikci E., YILDIRIM G., ŞAHMARAN M., Ashour A.
Engineering Structures, vol.297, 2023 (SCI-Expanded)
- VI. **Characterization and life cycle assessment of geopolymer mortars with masonry units and recycled concrete aggregates assorted from construction and demolition waste**
KUL A., Ozel B. F., Ozcelikci E., Gunal M. F., ULUGÖL H., YILDIRIM G., ŞAHMARAN M.
Journal of Building Engineering, vol.78, 2023 (SCI-Expanded)
- VII. **Characterization and standardization of different-origin end-of-life building materials toward assessment of circularity performance**
Ozcelikci E., YILDIRIM G., Siad H., Lachemi M., ŞAHMARAN M.
Magazine of Concrete Research, vol.76, no.2, pp.93-107, 2023 (SCI-Expanded)
- VIII. **Fully demountable column base connections for reinforced CDW-based geopolymer concrete members**
AKTEPE R., AKDUMAN Ş., ALDEMİR A., Ozcelikci E., YILDIRIM G., ŞAHMARAN M., Ashour A.
Engineering Structures, vol.290, 2023 (SCI-Expanded)
- IX. **A comprehensive study on the compressive strength, durability-related parameters and microstructure of geopolymer mortars based on mixed construction and demolition waste**
Ozcelikci E., KUL A., Gunal M. F., ÖZEL B. F., YILDIRIM G., Ashour A., ŞAHMARAN M.
Journal of Cleaner Production, vol.396, 2023 (SCI-Expanded)
- X. **Mechanical anisotropy evaluation and bonding properties of 3D-printable construction and demolition waste-based geopolymer 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. Shear behaviour of reinforced construction and demolition waste-based geopolymers concrete beams
ALDEMİR A., AKDUMAN Ş., KOCAER Ö., AKTEPE R., ŞAHMARAN M., YILDIRIM G., Almahmood H., Ashour A.
JOURNAL OF BUILDING ENGINEERING, vol.47, 2022 (SCI-Expanded)
- XII. 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)
- XIII. Mechanical Characteristics of Self-Healing, Deflection-Hardening, High-Performance Fiber-Reinforced Cementitious Composites Using Coarse Aggregates
Öksüzer N., ANIL Ö., YILDIRIM G., ALDEMİR A., Şahmaran M.
ACI Materials Journal, vol.119, no.2, pp.155-170, 2022 (SCI-Expanded)
- XIV. Role of inclusion size distribution of titanium dioxide on the nitrogen oxides reduction capability and microstructural characteristics of cementitious systems
Bahsi E., Sahin O., Ilcan H., UZAL B., Gunal M. F., YILDIRIM G., ŞAHMARAN M.
CONSTRUCTION AND BUILDING MATERIALS, vol.318, 2022 (SCI-Expanded)
- XV. The effect of chemical- versus microbial-induced calcium carbonate mineralization on the enhancement of fine recycled concrete aggregate: A comparative study
Sönmez M., Ilcan H., Dundar B., Yıldırım G., Erşan Y. Ç., Şahmaran M.
JOURNAL OF BUILDING ENGINEERING, vol.44, 2022 (SCI-Expanded)
- XVI. Demountable connections of reinforced concrete structures: Review and future developments
Figueira D., Ashour A., YILDIRIM G., ALDEMİR A., ŞAHMARAN M.
STRUCTURES, vol.34, pp.3028-3039, 2021 (SCI-Expanded)
- XVII. Self-monitoring of flexural fatigue damage in large-scale steel-reinforced cementitious composite beams
Çelik D. N., YILDIRIM G., Al-Dahawi A., ULUGÖL H., Han B., ŞAHMARAN M.
Cement and Concrete Composites, vol.123, 2021 (SCI-Expanded)
- XVIII. Experimental investigations on the structural behaviour of reinforced geopolymers produced from recycled construction materials
AKDUMAN Ş., Kocaer O., ALDEMİR A., ŞAHMARAN M., YILDIRIM G., Almahmood H., Ashour A.
JOURNAL OF BUILDING ENGINEERING, vol.41, 2021 (SCI-Expanded)
- XIX. Construction and demolition waste-based geopolymers suited for use in 3-dimensional additive manufacturing
Sahin O., Ilcan H., Atesli A. T., KUL A., YILDIRIM G., ŞAHMARAN M.
CEMENT & CONCRETE COMPOSITES, vol.121, 2021 (SCI-Expanded)
- XX. Effects of self-healing on the microstructure, transport, and electrical properties of 100% construction- and demolition-waste-based geopolymers composites
ULUGÖL H., Gunal M. F., YAMAN İ. Ö., YILDIRIM G., ŞAHMARAN M.
CEMENT & CONCRETE COMPOSITES, vol.121, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. Development of Ambient-cured Geopolymer Mortars with Construction and Demolition Waste-based Materials
Yildirim G., Ashour A., Ozcelikci E., Gunal M. F., Ozel B. F., Alhawat M.
NanoWorld Journal, vol.9, no.Special Issue 2, 2023 (Scopus)
- II. Tests of demountable reinforced concrete slabs
Almahmood H., Ashour A., Figueira D., Yıldırım G., Aldemir A., Sahmaran M.
Structures, vol.46, pp.1084-1104, 2022 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **An Investigation into Durability Aspects of Geopolymer Concretes Based Fully on Construction and Demolition Waste**
Ozcelikci E., YILDIRIM G., Alhawat M., Ashour A., ŞAHMARAN M.
International Symposium of the International Federation for Structural Concrete, fib Symposium 2023, İstanbul, Turkey, 5 - 07 June 2023, vol.349 LNCE, pp.377-386
- II. **The buildability performance of construction demolition waste-based geopolymeric binder**
ŞAHİN O., KUL A., YILDIRIM G., ŞAHMARAN M.
International Conference on Cement - Based Materials Tailored for a Sustainable Future, İstanbul, Turkey, 27 May 2021, vol.1, pp.376-388

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