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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., Ardogan 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 geopolymer concretes and their sustainability assessment**
Alhawat M., Yildirim 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., 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 geopolymer 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 geopolymer 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**
Öksüz 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 geopolymer beams 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 geopolymer 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

Metrics

Publication: 24

Citation (WoS): 19

Citation (Scopus): 267

H-Index (WoS): 3

H-Index (Scopus): 8