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Education Information

Doctorate, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, Turkey 2004 - 2012

Research Areas

Civil Engineering, Structure, Structural Engineering, Performance of Constructed Facilities, Earthquake Engineering, Concrete Structures, Repair and Strengthening in Buildings, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Hybrid Use of Externally Embedded FRP Reinforcement for Seismic Retrofitting of Substandard RC Columns**
Seyhan E. C., Akkaya Ç., Saribas I., İlki A.
Journal of Composites for Construction, vol.27, no.3, 2023 (SCI-Expanded)
- II. **Post-fire Seismic Behavior of RC Columns Built with Sustainable Concrete**
Demir U., Ünal G., Goksu Ç., Saribas I., İlki A.
JOURNAL OF EARTHQUAKE ENGINEERING, vol.26, no.13, pp.6869-6892, 2022 (SCI-Expanded)
- III. **Effect of Fire Damage on Seismic Behavior of Cast-in-Place Reinforced Concrete Columns**
Demir U., Goksu Ç., Ünal G., Green M., İlki A.
JOURNAL OF STRUCTURAL ENGINEERING, vol.146, no.11, 2020 (SCI-Expanded)
- IV. **Impact of time after fire on post-fire seismic behavior of RC columns**
Demir U., Goksu Ç., Binbir E., İlki A.
STRUCTURES, vol.26, pp.537-548, 2020 (SCI-Expanded)
- V. **Seismic performance of full-scale RC columns containing high proportion recycled aggregate**
Saribas I., Goksu Ç., Binbir E., İlki A.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.17, no.11, pp.6009-6037, 2019 (SCI-Expanded)
- VI. **Structural performance of recycled aggregates concrete sourced from low strength concrete**
Goksu Ç., Saribaş İ., Binbir E., Akkaya Y., İlki A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.69, no.1, pp.77-93, 2019 (SCI-Expanded)
- VII. **Field testing of substandard RC buildings through forced vibration tests**
Goksu Ç., İNCİ P., DEMİR U., Yazgan U., İLKİ A.

BULLETIN OF EARTHQUAKE ENGINEERING, vol.15, no.8, pp.3245-3263, 2017 (SCI-Expanded)

VIII. **Seismic Behavior of Reinforced Concrete Columns with Corroded Deformed Reinforcing Bars**

Goksu Ç., İlki A.

ACI STRUCTURAL JOURNAL, vol.113, no.5, pp.1053-1064, 2016 (SCI-Expanded)

IX. **Effect of Corrosion on Bond Mechanism between Extremely Low-Strength Concrete and Plain Reinforcing Bars**

Goksu Ç., Inci P., İlki A.

JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.30, no.3, 2016 (SCI-Expanded)

X. **Seismic Behavior of Substandard RC Columns Retrofitted with Embedded Aramid Fiber Reinforced Polymer (AFRP) Reinforcement**

Seyhan E. C., Goksu Ç., Uzunhasanoglu A., İlki A.

POLYMERS, vol.7, no.12, pp.2535-2557, 2015 (SCI-Expanded)

XI. **The Effect of Lap Splice Length on the Cyclic Lateral Load Behavior of RC Members with Low-Strength Concrete and Plain Bars**

Goksu Ç., Yilmaz H., Chowdhury S. R., Orakcal K., İlki A.

ADVANCES IN STRUCTURAL ENGINEERING, vol.17, no.5, pp.639-658, 2014 (SCI-Expanded)

XII. **Effects of Reinforcement Corrosion on the Performance of RC Frame Buildings Subjected to Seismic Actions**

Inci P., Goksu Ç., İlki A., Kumbasar N.

JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.27, no.6, pp.683-696, 2013 (SCI-Expanded)

XIII. **Attempt for Seismic Retrofit of Existing Substandard RC Members under Reversed Cyclic Flexural Effects**

Goksu Ç., POLAT A., İlki A.

JOURNAL OF COMPOSITES FOR CONSTRUCTION, vol.16, no.3, pp.286-299, 2012 (SCI-Expanded)

Articles Published in Other Journals

I. **A comparative impact chain analysis of 1999 Kocaeli and 2023 Kahramanmaraş earthquakes**

Göksoy Ç., Kundak S., Arslanlı K. Y., Aşıcı A. A., Kalkanlı D., Yılmaz A.

Journal of Design for Resilience in Architecture and Planning, vol.4, 2023 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Rehabilitation of Corrosion-Damaged Substandard RC Columns Using FRP Sheets**

Kalyoncuoglu A., Ghaffari P., Goksu Ç., İlki A.

1st International Conference on Advances in Civil Infrastructure Engineering (ICACIE 2012), Changsha, China, 15 - 16 September 2012, vol.639-640, pp.1096-1103

II. **Seismic analysis of a RC frame building with FRP-retrofitted infill walls**

İlki A., Goksu Ç., Demir C., Kumbasar N.

6th International Conference on Fracture Mechanics of Concrete and Concrete Structures, Catania, Italy, 17 - 22 June 2007, vol.1-3, pp.1167-1169

Metrics

Publication: 21

Citation (WoS): 147

Citation (Scopus): 172

H-Index (WoS): 8

H-Index (Scopus): 8