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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2017 - 2024

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2015 - 2017

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Turkey 2010 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development and Validation of New Methodology for Automated Operational Modal Analysis Using Modal Domain Range**
OKUR F. Y., ALTUNIŞIK A. C., Kalkan Okur E.
STRUCTURAL CONTROL & HEALTH MONITORING, no.1, 2025 (SCI-Expanded)
- II. **A Novel Approach for Anomaly Detection in Vibration-Based Structural Health Monitoring Using Autoencoders in Deep Learning**
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STRUCTURAL CONTROL AND HEALTH MONITORING, pp.1-13, 2025 (SCI-Expanded)
- III. **Progressive collapse assessment of Osmangazi Suspension Bridge due to sudden hanger breakage under different loading conditions**
Kalkan Okur E., OKUR F. Y., ALTUNIŞIK A. C., GÜNAYDIN M., ADANUR S.
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- IV. **Investigation of the structural behaviors of Bosphorus suspension bridge with vertical hangers replaced by inclined hangers**
ADANUR S., Okur E., Can Altunışık A., GÜNAYDIN M., Rahwan B. R.
Alexandria Engineering Journal, vol.65, pp.75-102, 2023 (SCI-Expanded)
- V. **Structural condition assessment of a historical masonry school building using experimental and numerical methods**
GÜNAYDIN M., GENÇ A. F., Altunsisk A. C., HACIEFENDİOĞLU K., OKUR F. Y., Okur E., ADANUR S.
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- VI. **Dynamic response of a traditional himis, mansion using updated FE model with operational modal testing**
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- VII. **Ambient vibration test and modelling of historical timer mosques after restoration**
ALTUNIŞIK A. C., KARAHASAN O. Ş., OKUR F. Y., Kalkan E., ÖZGAN K.

PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-STRUCTURES AND BUILDINGS, vol.173, no.12, pp.956-968, 2020 (SCI-Expanded)

- VIII. **Finite-Element Model Updating and Dynamic Responses of Reconstructed Historical Timber Bridges using Ambient Vibration Test Results**
ALTUNIŞIK A. C., KALKAN E., OKUR F. Y., KARAHASAN O. Ş., ÖZGAN K.
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- IX. **Non-destructive modal parameter identification of historical timber bridges using ambient vibration tests after restoration**
ALTUNIŞIK A. C., KALKAN E., OKUR F. Y., ÖZGAN K., KARAHASAN O. Ş., Bostancı A.
MEASUREMENT, vol.146, pp.411-424, 2019 (SCI-Expanded)
- X. **Finite Element Model Updating and Dynamic Analysis of a Restored Historical Timber Mosque Based on Ambient Vibration Tests**
ALTUNIŞIK A. C., KARAHASAN O. Ş., OKUR F. Y., KALKAN E., ÖZGAN K.
JOURNAL OF TESTING AND EVALUATION, vol.47, no.5, pp.3533-3562, 2019 (SCI-Expanded)
- XI. **Effect of Fiber-Reinforced Polymer Strengthening on Dynamic Characteristics of Reinforced Concrete Frame Using Model Updating**
ALTUNIŞIK A. C., KARAHASAN O. Ş., GENÇ A. F., OKUR F. Y., GÜNAYDIN M., KALKAN E., ADANUR S.
ACI STRUCTURAL JOURNAL, vol.115, no.6, pp.1589-1601, 2018 (SCI-Expanded)
- XII. **Modal parameter identification of RC frame under undamaged, damaged, repaired and strengthened conditions**
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- XIII. **Structural behavior of arch dams considering experimentally validated prototype model using similitude and scaling laws**
ALTUNIŞIK A. C., KALKAN E., BAŞAĞA H. B.
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- XIV. **Structural response relationship between scaled and prototype concrete load bearing systems using similarity requirements**
Altunışık A. C., KALKAN E., BAŞAĞA H. B.
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- XV. **Investigation of earthquake angle effect on the seismic performance of steel bridges**
ALTUNIŞIK A. C., Kalkan E.
STEEL AND COMPOSITE STRUCTURES, vol.22, no.4, pp.855-874, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Experimental Modal Analysis and Structural Health Monitoring of the Double Curvature Deriner Arch Dam**
ALTUNIŞIK A. C., Kalkan Okur E., OKUR F. Y., GÜNAYDIN M., GENÇ A. F.
Natural and Applied Sciences Journal, vol.4, no.1, pp.22-29, 2021 (Peer-Reviewed Journal)
- II. **Development of engineering software to predict the structural behavior of arch dams**
ALTUNIŞIK A. C., KALKAN E., BAŞAĞA H. B.
ADVANCES IN COMPUTATIONAL DESIGN, vol.3, no.1, pp.87-112, 2018 (ESCI)
- III. **Creation of similarity requirement with field equations in steel bearing systems**
ALTUNIŞIK A. C., Kalkan E., BAŞAĞA H. B.
Open Civil Engineering Journal, vol.12, no.1, pp.134-149, 2018 (Scopus)

Patent

Okur F. Y., Altunışık A. C., Kalkan Okur E., AUTOMATIC MONITORING METHOD FOR REAL-TIME DYNAMIC CHARACTERISTICS IN ENGINEERING STRUCTURES, Patent, CHAPTER G Physics, The Invention Registration Number: 2023/004086 , Standard Registration, 2024

Metrics

Publication: 19

Citation (WoS): 153

Citation (Scopus): 168

H-Index (WoS): 7

H-Index (Scopus): 7

Awards

Okur F. Y., Altunışık A. C., Kalkan Okur E., Gold Metal Award, Isif'24 |9. Uluslararası Buluş Fuarı 202, October 2024

Kalkan Okur E., Okur F. Y., Tekla Global Student BIM Awards 2018, Trimble Firması, January 2018