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Personal Information

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Turkey 2015 - Continues

Post Graduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Turkey 2012 - 2015

Under Graduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2008 - 2012

Foreign Languages

English, B1 Intermediate

Research Areas

Civil Engineering, Structure, Masonry Structures, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Of Teknoloji Fakültesi, İnşaat Mühendisliği, 2015 - Continues

Academic and Administrative Experience

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Diagnosis and Monitoring of Historical Timber Velipaşa Han Building Prior to Restoration**
GÜNAYDIN M., DEMİRKİR C., ALTUNIŞIK A. C. , GEZER E. D. , GENÇ A. F. , OKUR F. Y.
International Journal of Architectural Heritage, 2021 (Journal Indexed in SCI Expanded)
- II. **Nonlinear Dynamic Response of a RC Frame for Different Structural Conditions Including the Effect of FE Model Updating**
GÜNAYDIN M., GENÇ A. F. , KARAHASAN O. Ş. , ALTUNIŞIK A. C. , OKUR F. Y. , ADANUR S.
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.18, no.5, pp.551-567, 2020 (Journal Indexed in SCI)
- III. **Dynamic analyses of experimentally-updated FE model of historical masonry clock towers using site-specific seismic characteristics and scaling parameters according to the 2018 Turkey building earthquake code**
GENÇ A. F. , Ergun M., GÜNAYDIN M., ALTUNIŞIK A. C. , ATEŞ Ş., OKUR F. Y. , Mosallam A. S.
ENGINEERING FAILURE ANALYSIS, vol.105, pp.402-426, 2019 (Journal Indexed in SCI)
- IV. **Structural response of historical masonry arch bridges under different arch curvature considering soil-structure interaction**

ALTUNIŞIK A. C. , KANBUR B., GENÇ A. F. , KALKAN E.

GEOMECHANICS AND ENGINEERING, vol.18, no.2, pp.141-151, 2019 (Journal Indexed in SCI)

- V. **Automated Model Updating Effect on the Linear and Nonlinear Dynamic Responses of Historical Masonry Structures**
ALTUNIŞIK A. C. , OKUR F. Y. , GENÇ A. F. , Guenaydin M., KARAHASAN O. Ş.
EXPERIMENTAL TECHNIQUES, vol.42, no.6, pp.605-621, 2018 (Journal Indexed in SCI)
- VI. **Dynamic response of a historical armory building using the finite element model validated by the ambient vibration test**
ALTUNIŞIK A. C. , GENÇ A. F. , Gunaydin M., OKUR F. Y. , KARAHASAN O. Ş.
JOURNAL OF VIBRATION AND CONTROL, vol.24, no.22, pp.5472-5484, 2018 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **Sensitivity-Based Model Updating of Building Frames using Modal Test Data**
ALTUNIŞIK A. C. , KARAHASAN O. Ş. , GENÇ A. F. , OKUR F. Y. , Gunaydin M., ADANUR S.
KSCE JOURNAL OF CIVIL ENGINEERING, vol.22, no.10, pp.4038-4046, 2018 (Journal Indexed in SCI)
- IX. **Modal parameter identification of RC frame under undamaged, damaged, repaired and strengthened conditions**
ALTUNIŞIK A. C. , KARAHASAN O. Ş. , GENÇ A. F. , OKUR F. Y. , Gunaydin M., KALKAN E., ADANUR S.
MEASUREMENT, vol.124, pp.260-276, 2018 (Journal Indexed in SCI)
- X. **Ambient Vibration-Based System Identification of a Medieval Masonry Bastion for Health Assessment using Nonlinear Analyses**
ALTUNIŞIK A. C. , GENÇ A. F. , Gunaydin M., ADANUR S., OKUR F. Y.
INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, vol.19, no.2, pp.107-124, 2018 (Journal Indexed in SCI)
- XI. **Automated Model Updating of Historical Masonry Structures Based on Ambient Vibration Measurements**
ALTUNIŞIK A. C. , OKUR F. Y. , GENÇ A. F. , Gunaydin M., ADANUR S.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.32, no.1, 2018 (Journal Indexed in SCI)
- XII. **Earthquake response of heavily damaged historical masonry mosques after restoration**
ALTUNIŞIK A. C. , GENÇ A. F.
NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol.17, no.10, pp.1811-1821, 2017 (Journal Indexed in SCI)
- XIII. **Collapse of steel cantilever roof of tribune induced by snow loads**
ALTUNIŞIK A. C. , ATEŞ Ş., HÜSEM M., GENÇ A. F.
STEEL AND COMPOSITE STRUCTURES, vol.23, no.3, pp.273-283, 2017 (Journal Indexed in SCI)
- XIV. **An Investigation of the Seismic Behaviour of an Ancient Masonry Bastion Using Non-Destructive and Numerical Methods**
ALTUNIŞIK A. C. , ADANUR S., GENÇ A. F. , Gunaydin M., OKUR F. Y.
EXPERIMENTAL MECHANICS, vol.57, no.2, pp.245-259, 2017 (Journal Indexed in SCI)
- XV. **Non-destructive testing of an ancient Masonry Bastion**
ALTUNIŞIK A. C. , ADANUR S., GENÇ A. F. , Gunaydin M., OKUR F. Y.
JOURNAL OF CULTURAL HERITAGE, vol.22, pp.1049-1054, 2016 (Journal Indexed in SCI)
- XVI. **A study on seismic behaviour of masonry mosques after restoration**
ALTUNIŞIK A. C. , Bayraktar A., GENÇ A. F.
EARTHQUAKES AND STRUCTURES, vol.10, no.6, pp.1331-1346, 2016 (Journal Indexed in SCI)
- XVII. **The effect of arch geometry on the structural behavior of masonry bridges**
ALTUNIŞIK A. C. , KANBUR B., GENÇ A. F.
SMART STRUCTURES AND SYSTEMS, vol.16, no.6, pp.1069-1089, 2015 (Journal Indexed in SCI)
- XVIII. **Determination of the restoration effect on the structural behavior of masonry arch bridges**
ALTUNIŞIK A. C. , BAYRAKTAR A., GENÇ A. F.

Books & Book Chapters

- I. **İnşaat Mühendisliğinde ANSYS Uygulamaları**
ALTUNIŞIK A. C. , GÜNAYDIN M., GENÇ A. F. , OKUR F. Y.
Dynamic Academy Yazılım İnşaat San. Tic. Ltd. Şti, 2018
- II. **Structural Identification of Historical Masonry Structures:Finite Element Analyses, Ambient Vibration Testing, Model Updating and Earthquake Response**
ALTUNIŞIK A. C. , GENÇ A. F. , GÜNAYDIN M., OKUR F. Y.
LAP LAMBERT Academic Publishing, Balti, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Updating the FE Model of the Traditional Hıdırlı Mansion Using Experimental Modal Analysis Measurement Results**
Altunışık A. C. , Meral M., Kalkan Okur E., Genç A. F. , Günaydın M., Okur F. Y. , Karahasan O. Ş. , Yılmaz Z.
International IDU Engineering Symposium – IES'20 , Trabzon, Turkey, 5 - 13 December 2020, vol.1, no.1, pp.1-10
- II. **Experimental Modal Analysis Measurements and Structural Health Monitoring of the Double Curvature Deriner Arch Dam**
Altunışık A. C. , Kalkan Okur E., Okur F. Y. , Günaydın M., Genç A. F.
International IDU Engineering Symposium – IES'20 , Trabzon, Turkey, 5 - 13 December 2020, vol.1, no.1, pp.1-10
- III. **Seismic Evaluation of a Historical Masonry Church**
Altunışık A. C. , Genç A. F. , Günaydın M., Okur F. Y.
International IDU Engineering Symposium – IES'20 , İzmir, Turkey, 5 - 13 December 2020, vol.1, no.1, pp.1-10
- IV. **NUMERICAL INVESTIGATION OF DOWEL AND CRAMP REINFORCEMENT ON MASONRY WALLS**
GENÇ A. F. , ALTUNIŞIK A. C. , Sarı M.
International Civil Engineering and Architecture Conference 2019, 17 - 20 April 2019
- V. **Experimental Modal Testing of a Historical Clock Tower**
OKUR F. Y. , GENÇ A. F. , GÜNAYDIN M., ALTUNIŞIK A. C.
INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING APPLICATIONS, Sivas, Turkey, 20 - 22 September 2018, pp.1-8
- VI. **Vibration Characteristics of Historical Masonry Museum**
GENÇ A. F. , OKUR F. Y. , GÜNAYDIN M., ALTUNIŞIK A. C.
INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING APPLICATIONS, Sivas, Turkey, 20 - 22 September 2018, pp.1-7
- VII. **Ambient Vibration Testing Of A Historical Masonry Minaret**
ALTUNIŞIK A. C. , GÜNAYDIN M., GENÇ A. F. , OKUR F. Y.
3. International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018, pp.1-10
- VIII. **Evaluation of Dynamic Response of Reinforced Concrete Buildings by Operational Modal Analysis Method**
ALTUNIŞIK A. C. , Karahasan O. Ş. , OKUR F. Y. , GENÇ A. F. , GÜNAYDIN M., ADANUR S.
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Eskişehir, Turkey, 11 - 13 October 2017, pp.1-12
- IX. **Finite Element Model Updating Effect on Earthquake Behaviour of Masonry Structures**
ALTUNIŞIK A. C. , GENÇ A. F. , OKUR F. Y. , GÜNAYDIN M., ADANUR S.
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Eskişehir, Turkey, 11 - 13 October 2017, pp.1-12
- X. **Evaluation of Dynamic Response of Reinforced Concrete Buildings by Operational Modal Analysis Method**
ALTUNIŞIK A. C. , KARAHASAN O. Ş. , OKUR F. Y. , GENÇ A. F. , GÜNAYDIN M., ADANUR S.

4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Eskişehir, Turkey, 11 - 13 October 2017, pp.1-10

- XI. **Tarihi Yığma Yapılarda Sonlu Eleman Model İyileştirmesi**
ALTUNIŞIK A. C. , OKUR F. Y. , GENÇ A. F. , GÜNAYDIN M., ADANUR S.
Second International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.69
- XII. **Damage Effect on the Dynamic Characteristics of Buildings**
ALTUNIŞIK A. C. , Karahasan O. Ş. , GENÇ A. F. , OKUR F. Y. , GÜNAYDIN M., ADANUR S.
Second International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.60
- XIII. **Finite Element Model Updating of Historical Masonry Structures**
ALTUNIŞIK A. C. , OKUR F. Y. , GENÇ A. F. , GÜNAYDIN M., ADANUR S.
Second International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.69
- XIV. **Ambient Vibration Tests of Historical Masonry Buildings for Structural Condition Assessment**
ALTUNIŞIK A. C. , GENÇ A. F. , GÜNAYDIN M., OKUR F. Y. , Karahasan O. Ş. , ADANUR S.
Second International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017, pp.1-10
- XV. **Safety Assessment of Stone Arch Bridges using Micro and Macro Modeling Techniques Including Soil Interaction Effect**
BAYRAKTAR A., GENÇ A. F. , AKBULUT Y. E. , ALTUNIŞIK A. C.
Istanbul Bridge Conference 2016, İstanbul, Turkey, 8 - 10 August 2016, pp.36-46
- XVI. **Restoration Effect on the Structural Behaviour of Historical Masonry Arch Bridges**
ALTUNIŞIK A. C. , BAYRAKTAR A., GENÇ A. F.
Istanbul Bridge Conference 2016, İstanbul, Turkey, 8 - 10 August 2016, pp.47-57
- XVII. **Hasarlı Tarihi Köprülerin Yapısal Davranışlarına Restorasyon Çalışmalarının Etkisi**
ALTUNIŞIK A. C. , BAYRAKTAR A., GENÇ A. F.
3. Köprüler ve Viyadükler Sempozyumu, Bursa, Turkey, 8 - 10 May 2015, vol.1, pp.265-278
- XVIII. **Hasarlı Tarihi Köprülerin Yapısal Davranışlarına Restorasyon Çalışmalarının Etkisi**
ALTUNIŞIK A. C. , BAYRAKTAR A., GENÇ A. F.
3. Köprüler ve Viyadükler Sempozyumu, Bursa, Turkey, 8 - 10 May 2015, vol.1, no.1, pp.1-10

Citations

Total Citations (WOS):102

h-index (WOS):7

Non Academic Experience

Business Establishment Private, Altaş Yapı Denetim