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Personal Information

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, Turkey 2007 - 2013

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, Turkey 2005 - 2007

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2001 - 2005

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, FEN BİLİMLERİNDE ARAŞTIRMA PROJESİ HAZIRLAMA EĞİTİMİ, Karadeniz Teknik Üniversitesi, 2014

Dissertations

Doctorate, Betonarme Silindirik Siloların Stok Malzemesi-Yapı-Zemin Etkileşimleri Dikkate Alınarak Deprem Davranışlarının İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2013

Postgraduate, Silolar Konusunda Bazı Teoriler ve Stok Yapılarının Tasarımına İlişkin Genel Bir Yaklaşım, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, 2007

Research Areas

Civil Engineering, Structure, Buildings (industrial, commercial and public), Earthquake Engineering, Concrete Structures, Repair and Strengthening in Buildings, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - Continues

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2015 - 2018

Other, Oregon State University, College Of Engineering, School Of Civil And Construction Engineering, School Of Civil And Construction Engineering, 2017 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Sandwich type cold formed tubular braces: design, analysis and cyclic loading test**
DEMİR S., DURMUŞ DEMİR A., HÜSEM M.
Structures, vol.25, pp.35-46, 2020 (Journal Indexed in SCI)
- II. **Investigation of Load Bearing Capacities of Grouted Rock Bolts with New Auxetic Head Designs**
Komurlu E., Demir A., Celik A. G.
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.64, no.3, pp.782-791, 2020 (Journal Indexed in SCI)
- III. **The role of slenderness on the seismic behavior of ground-supported cylindrical silos**
Demir A. D., LİVAOĞLU R.
ADVANCES IN CONCRETE CONSTRUCTION, vol.7, no.2, pp.65-74, 2019 (Journal Indexed in SCI)
- IV. **Determination of Cohesion values of Rock Materials using Double Shear Jaws**
Komurlu E., Demir A. D.
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.62, no.4, pp.881-892, 2018 (Journal Indexed in SCI)
- V. **Dog bone shaped specimen testing method to evaluate tensile strength of rock materials**
KÖMÜRLÜ E., KESİMAL A., DURMUŞ DEMİR A.
GEOMECHANICS AND ENGINEERING, vol.12, no.6, pp.1-16, 2017 (Journal Indexed in SCI Expanded)
- VI. **A simplified approximation for seismic analysis of silo-bulk material system**
Livaoglu R., Durmus A.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.14, no.3, pp.863-887, 2016 (Journal Indexed in SCI)
- VII. **A simplified 3 DOF model of A FEM model for seismic analysis of a silo containing elastic material accounting for soil-structure interaction**
DURMUŞ DEMİR A., LİVAOĞLU R.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.77, pp.1-14, 2015 (Journal Indexed in SCI)
- VIII. **Investigation of wall flexibility effects on seismic behavior of cylindrical silos**
LİVAOĞLU R., DURMUŞ DEMİR A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.53, no.1, pp.159-172, 2015 (Journal Indexed in SCI)
- IX. **Investigation of the Wall Flexibility Effects on the Dynamic Behavior of Ground-Supported Cylindrical Silos under Earthquake Loading**
LİVAOĞLU R., DURMUŞ A.
STRUCTURAL ENGINEERING AND MECHANICS, no.53, pp.159-172, 2015 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Comparative Study of Behaviours of Repaired and Strngthened or Strengthened R/C Plates by Using Different Techniques**
ZANDI Y., ÖZTÜRK N., ÖZTÜRK H. T. , DURMUŞ DEMİR A., DURMUŞ A., HÜSEM M.
Middle East Journal of Scientific Research, vol.10, no.6, pp.777-784, 2011 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Behaviour of The Buckling Controlled Square HSS Steel Braces Under Cyclic Loading**
DEMİR S., DURMUŞ DEMİR A., HÜSEM M.
1st International Symposium on Innovations in Civil Engineering and Technology, Konya, Turkey, 23 - 25 October 2019, vol.1, pp.85
- II. **A Numerical Study on Support Performance of Thin Spray-on Liners (TSLs)**
KÖMÜRLÜ E., DURMUŞ DEMİR A.
25th International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 11 - 14 April 2017, pp.105-112
- III. **A Numerical Study on Evaluation of Indirect (Splitting) Tensile Strength of Rocks under Various Load Apparatus**
Kömürlü E., KESİMAL A., DURMUŞ DEMİR A.

International Black Sea Mining and Tunnelling Symposium, Trabzon, Turkey, 2 - 04 November 2016, pp.212-222

IV. A Numerical Study for Determining Ideal Size and Geometry of Dog bone shaped direct tensile strength test specimens

KÖMÜRLÜ E., KESİMAL A., DURMUŞ DEMİR A.

European Rock Mechanics Symposium 2016 (Eurock 2016), Nevşehir, Turkey, 29 - 31 August 2016, vol.In Press, pp.1-6

V. Determination of Horizontal Bulk Material Pressures in Rigid Cylindrical Slender Silos under Seismic Excitation using FEM and EN1998-4

DURMUŞ DEMİR A., LİVAOĞLU R.

International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 20 - 23 May 2015, pp.1-9

Citations

Total Citations (WOS):45

h-index (WOS):4

Scholarships

TÜBİTAK YURTIÇİ DOKTORA BURSU, TÜBİTAK, 2007 - Continues

TÜBİTAK YURTIÇİ YÜKSEKLİSANS BURSU, TÜBİTAK, 2006 - Continues