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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Abd, Turkey 2004 - 2010

Undergraduate, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1999 - 2003

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Civil Engineering, Transportation Engineering, Highways, Transportation Engineering, Traffic Engineering, Road Materials, Geotechnical, Ground Improvement, Building materials, Concrete Technology, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Recep Tayyip Erdogan University, Mühendislik Fak., İnşaat Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Recep Tayyip Erdogan University, Mühendislik Fak., İnşaat Mühendisliği Bölümü, 2012 - 2018

Courses

Ulaşım, Undergraduate, 2015 - 2016

Uzmanlık Alan Dersi 1, Postgraduate, 2015 - 2016

İnşaat Mühendisliğine Giriş, Undergraduate, 2014 - 2015

Asfalt Kaplamalarda Katkılar, Postgraduate, 2015 - 2016

Esnek Üstyapı Tasarımı ve Bitümlü Kaplamalar, Postgraduate, 2015 - 2016

Beton Yollar, Postgraduate, 2014 - 2015

Jury Memberships

Academic Staff Examination, Araştırma Görevlisi Alımı Sınavı, Recep Tayyip Erdogan Univ. Mühendislik Fak. İnşaat Muh. Bölümü, July, 2013

Academic Staff Examination, Araştırma Görevlisi Alımı Sınavı, Recep Tayyip Erdogan Univ. Mühendislik Fak. İnşaat Muh. Bölümü, August, 2012

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

- I. **An examination of nanoparticle colemanite mineral added warm mix asphalt**
Kutuk S., Kutuk-Sert T.
CONSTRUCTION AND BUILDING MATERIALS, vol.243, 2020 (Journal Indexed in SCI)
- II. **Investigation of nano ulexite mineral effects on mechanical behaviour of warm mix asphalt pavements**
Kutuk-Sert T., Gunbey E.
GRADEVINAR, vol.72, pp.503-513, 2020 (Journal Indexed in SCI)
- III. **Effect of PCA on Nanosized Ulexite Material Prepared by Mechanical Milling**
Kutuk S., Kutuk-Sert T.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.42, pp.4801-4809, 2017 (Journal Indexed in SCI)
- IV. **Stability analyses of submicron-boron mineral prepared by mechanical milling process in concrete roads**
Kutuk-Sert T.
CONSTRUCTION AND BUILDING MATERIALS, vol.121, pp.255-264, 2016 (Journal Indexed in SCI)
- V. **Physical and Marshall Properties of Borogypsum Used as Filler Aggregate in Asphalt Concrete**
Kutuk-Sert T., Kutuk S.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.25, no.2, pp.266-273, 2013 (Journal Indexed in SCI)
- VI. **INVESTIGATION OF GEOGRID APERTURE SIZE EFFECTS ON SUBBASE-SUBGRADE STABILIZATION OF ASPHALT PAVEMENTS**
Sert T., AKPINAR M. V.
BALTIC JOURNAL OF ROAD AND BRIDGE ENGINEERING, vol.7, no.2, pp.160-168, 2012 (Journal Indexed in SCI)
- VII. **Investigation of Geogrid Performance on Highway Subbase By Using The Pullout Test Device**
Sert T., AKPINAR M. V.
TEKNIK DERGI, vol.22, no.1, pp.5285-5304, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Thermal properties of nanoparticle colemanite mineral and its advantages in application**
Kütük S., Kütük T.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.1, pp.198-208, 2021 (Other Refereed National Journals)
- II. **Öğütülmüş Kolemanit Minerali İkameli Beton Yollardaki Aşınma Kaybının Araştırılması**
Kütük T., Kara C., Kütük S.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.20, no.2, pp.287-295, 2020 (International Refereed University Journal)
- III. **A Study on the Effects of Highway Reinforcement on Load Distribution**
KÜTÜK T., GÜRBÜZ A., AKPINAR M. V.
Sciennovation_a Journal on Structural Science and Innovation, vol.1, no.2, pp.51-58, 2020 (Other Refereed National Journals)
- IV. **Kara C., Kütük T., Kütük S.**
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, no.1, pp.499-510, 2020 (National Refereed University Journal)
- V. **Farklı Kür Koşullarının Kolemanit İkameli Betonların Dayanımına Etkisi**
KÜTÜK T., KARA C.
Journal of Investigations on Engineering and Technology, vol.1, no.2, pp.19-23, 2018 (Other Refereed National Journals)
- VI. **Particle size distribution of nanoscale ulexite mineral prepared by ball milling**
KÜTÜK T., KUTUK S.
MATTER: International Journal of Science and Technology, vol.3, no.3, pp.86-103, 2017 (Refereed Journals of

Other Institutions)

- VII. **Sub-Mikron Boyutlarında Üleksit Mineralinin Asfalt Karışımların Suya Hassasiyetine Etkisinin İncelenmesi**
KÜTÜK T.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.7, no.2, pp.141-152, 2017 (National Refreed University Journal)
- VIII. **Field and Loading Unit Analysis of Vertical Pressure Distribution on Highway Sublayers**
KÜTÜK T., GÜRBÜZ A., AKPINAR M. V.
American Academic Scholarly Research Journal, vol.8, pp.65-72, 2016 (Refereed Journals of Other Institutions)
- IX. **CALCULATION OF SHEAR STRENGTH PROBABILITY OF GEOGRIDS USED IN HIGHWAY EMBANKMENTS**
KÜTÜK T., GÜRBÜZ A.
VFAST Transactions on Mathematics, vol.5, no.1, pp.10-17, 2014 (Refereed Journals of Other Institutions)
- X. **Calculation Of Shear Strength Probability Of Geogrids Used In Highway Embankments**
KÜTÜK T., GÜRBÜZ A.
VFAST Transactions on Mathematics, vol.5, pp.10-17, 2014 (Refereed Journals of Other Institutions)
- XI. **Beton yollarda karışım incelik modülünün sürtünme kaybına etkisi**
KARPUZ O., AKPINAR M. V. , KÜTÜK T., ÖRNEK M.
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.23, no.2, pp.137-146, 2008 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of compressive strength of concrete roads containing milled colemanite mineral additive**
KÜTÜK S., KÜTÜK T., GÜNER N. U.
The International Symposium on Innovations in Civil Engineering and Technology, Afyonkarahisar, Turkey, 23 - 25 October 2019, vol.1, pp.161-170
- II. **Effect of colemanite mineral for abrasion resistance on concrete roads**
KÜTÜK T., KARA C., KÜTÜK S.
The International Symposium on Innovations in Civil Engineering and Technology, Afyonkarahisar, Turkey, 23 - 25 October 2019, pp.149-150
- III. **Effect of colemanite mineral for abrasion resistance on concrete roads**
KÜTÜK T., KARA C., KÜTÜK S.
The International Symposium on Innovations in Civil Engineering and Technology, Afyon, Turkey, 23 - 25 October 2019, pp.149-150
- IV. **The Effect of Wetting and Drying on Concrete Roads Substituted Colemanite**
KÜTÜK T., KARA C., KÜTÜK S.
International Civil Engineering Architecture Conference, 17 - 20 April 2019, vol.1
- V. **TEM analysis of submicron colemanite mineral prepared with mechanical milling process**
KÜTÜK S., KÜTÜK T.
International Conference on Civil Environmental, Geology and Mining Engineering, Trabzon, Turkey, 20 - 22 April 2019, pp.714-720
- VI. **Thermal Analysis of Submicron Colemanite Mineral Prepared With Mechanical Milling Process**
KÜTÜK S., KÜTÜK T.
4. International Conference on Civil, Environmental, Geology and Mining Engineering-Trabzon (ICOCEM 2019), Trabzon, Turkey, 20 - 22 April 2019
- VII. **The effect of wetting and drying on concrete roads substituted colemanite**
KÜTÜK T., KARA C., KÜTÜK S.
International Civil Engineering and Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019, vol.1, pp.2550-2557

- VIII. **Physical properties of nano boron minerals and their effects on Indirect Tensile Stiffness Modulus in asphalt mixtures**
KÜTÜK T., KUTUK S.
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, vol.1, pp.180
- IX. **A Segmentation Method for Asphalt Quality Analysis**
CİVELEK Ö., ÖZTÜRK M., Kutuk T., Kutuk S.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- X. **Evaluation of submicron particle sized colemanite minerals in warm mix asphalt mixtures**
KÜTÜK T., KUTUK S., GÜNBEY R. E. , ÇANAKÇI A., KOCAKERİM M. M.
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 - 22 October 2017, vol.1, pp.143
- XI. **Compressive strength analysis of rigid pavements including submicron particle sized boron mineral**
GÜNER M. S. , KÜTÜK T., KUTUK S.
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 - 22 October 2017, vol.1, pp.144
- XII. **Nano üleksit minerallerinin ılık karışım asfaltın performansı üzerindeki etkileri**
KÜTÜK T., İSKENDER E., KUTUK S., GÜNBEY R. E.
7. Ulusal Asfalt Sempozyumu ve Sergisi, Ankara, Turkey, 29 - 30 November 2017, vol.1, pp.405-419
- XIII. **Particle size distribution of nanoscale ulexite mineral prepared by ball milling**
KUTUK S., KÜTÜK T.
19th International Conference on Researches in Science Technology (ICRST), Barselona, Spain, 27 - 28 July 2017, vol.1, pp.50
- XIV. **Laboratory test researches on warm mix and hot mix asphalt included sub-micron sized ulexite mineral**
KÜTÜK T., KUTUK S., GÜNBEY R. E. , ÇANAKÇI A., KOCAKERİM M. M.
19th International Conference on Researches in Science Technology (ICRST), Barselona, Spain, 27 - 28 July 2017, vol.1, pp.50-51
- XV. **Field And Loading Unit Analysis Of Vertical Pressure Distribution On Highway Sublayers**
KÜTÜK T., GÜRBÜZ A., akpınar m. v.
SPEHES'16, Ankara, Turkey, 18 November 2016, pp.1
- XVI. **Nano Boyutlu Üleksit Malzemesinin Mekaniksel Öğütme Yöntemi ile Hazırlanması ve Analizi**
KUTUK S., KÜTÜK T., AKBULUT U., İLHAN M.
Bor ve Bor Teknolojileri Çalıştayı RTEÜ, Rize, Turkey, 24 May 2016
- XVII. **The shape analysis of geogrids with different aperture structures used for road subgrade reinforcement**
KÜTÜK T., AKPINAR M. V.
28th International Baltic Road Conference, Vilnius, Lithuania, 25 - 28 August 2013
- XVIII. **An Investigation on Pullout Test Device Dimensions**
KÜTÜK T., AKPINAR M. V.
9th International Congress on Advances in Civil Engineering, Trabzon, Turkey, 27 - 30 September 2010, pp.344
- XIX. **Asphaltite Coal in Hot-Mix Asphalt Concrete**
KÜTÜK T., ÇELİK F.
9th International Congress on Advances in Civil Engineering, Trabzon, Turkey, 27 - 30 September 2010, pp.346
- XX. **Evaluation of Boron Waste in Hot Mix Asphalt Concrete Design**
KÜTÜK T., ÇELİK F., AKPINAR M. V. , MAHDIZADEH M. B.
2nd International Conference Seismic Retrofitting with the Focus on Concrete Technology, Tabriz, Iran, 6 - 07 November 2009
- XXI. **Evaluation of geogrid displacement on subbase reinforcement using specially designed pullout test**
AKPINAR M. V. , Sert T.
8th International Conference on the Bearing Capacity of Roads, Railways and Airfields, Illinois, United States Of America, 29 June - 02 July 2009, pp.1117-1123
- XXII. **Determining Geogrid Performance in Railway Ballast by Using a New Pullout Device**
KÜTÜK T., AKPINAR M. V.

2nd International Railway Symposium, Haydarpaşa, İstanbul, Turkey, 15 - 17 October 2008, pp.545-553

XXIII. Demiryolu Balast Dolguların Güçlendirilmesinde Geogrid Açıklığının ve Agreganın Değerlendirilmesi

KÜTÜK T., AKPINAR M. V.

Uluslararası Demiryolu Sempozyumu, Bilkent Otel ve Konferans Merkezi, Ankara, Turkey, 13 - 14 December 2006, pp.1034-1040

XXIV. Yol Dolgu Malzemelerinde Zemin Sınıflandırması

KÜTÜK T., AKPINAR M. V.

Zemin Mekaniği ve Temel Mühendisliği 11. Ulusal Kongresi, Trabzon, Turkey, 7 - 08 September 2006, pp.113

Supported Projects

KÜTÜK T., KÜTÜK S., TUBITAK Project, Nano Ölçekli Bor Mineralleriyle Zenginleştirilmiş İlık Karışım Asfaltın Reolojik Performansının Araştırılması Ve Dijital Görüntüleme Yöntemi İle Analizi, 2015 - 2018

Activities in Scientific Journals

AASCIT (American Association for Science and Technology) kapsamındaki International Journal of Civil Engineering and Construction Science , Editor, 2017 - Continues

Scientific Refereeing

Ulakbim TR Dizinde Taranan Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi (PAJES), National Scientific Refreed Journal, November 2016

International Journal of Pavement Engineering , SCI Journal, April 2015

World Journal of Civil Engineering and Construction Technology, Other Indexed Journal, March 2015

Project Supported by Higher Education Institutions, June 2014

Journal of Civil Engineering and Architecture (David Publishing-USA), Other Indexed Journal, April 2014

Project Supported by Higher Education Institutions, March 2014

Project Supported by Higher Education Institutions, February 2014

Project Supported by Higher Education Institutions, April 2013

Edit Congress and Symposium Activities

Kütük-Sert T., Gürbüz A., Akpınar M. V., "Field And Loading Unit Analysis of Vertical Pressure Distribution on Highway Sublayers", AASRC Multilingual International Conference, 18-19 November 2016, Ankara, Turkey., Attendee, Ankara, Turkey, 2016

Kütük-Sert T., Gürbüz A., "Calculation of Shear Strength Probability of Geogrids Used in Highway Embankments", 2nd International Conference on Computational & Social Sciences, 26-28 August 2014, RTEU, Rize, Turkey., Attendee, Rize, Turkey, 2014

Kütük-Sert T., Akpınar, M. V., "The Shape Analysis of Geogrids with Different Aperture Structures Used for Road Subgrade Reinforcement" 28th International Baltic Road Conference, 26-28 August 2013, LITEXPO, Vilnius, Lithuania., Attendee, Vilnius, Lithuania, 2013

Sert, T., Akpınar, M. V., "An Investigation on Pullout Test Device Dimensions" 9th International Congress on Advances in Civil Engineering ACE 2010, Karadeniz Technical University, Trabzon, Turkey, 27-30 September 2010, pp. 344., Attendee, Trabzon, Turkey, 2010

Sert, T., Çelik, F., "Evaluation of Using Asphaltite Coal in Hot-Mix Asphalt Concrete" 9th International Congress on Advances in Civil Engineering ACE 2010, Karadeniz Technical University, Trabzon, Turkey, 27-30 September 2010, pp.

346., Attendee, Trabzon, Turkey, 2010

Sert, T., Çelik, F., Akpınar, M. V., Mahdizadeh, M. B., "Evaluation of Boron Waste in Hot Mix Asphalt Concrete Design" Proceedings of the 1st International Conference on Concrete Technology, Tabriz, Iran, 6-7 November 2009, pp.204., Attendee, Tabrîz, Iran, 2009

Akpınar, M. V., Sert, T., "Evaluation of Geogrid Displacement on Subbase Reinforcement Using Specially Deisgned Pullout Test", 8th International Conference on The Bearing Capacityof Roads, Railways and Airfields, I Hotel and Conference Center, University of Illinois, Champaign-Urbana, Illinois, USA, 29 June-2 July 2009, pp.1117-1123., Attendee, Illinois, United States Of America, 2009

Sert, T., Akpınar, M. V., "Determining Geogrid Performance in Railway Ballast by Using a New Pullout Device", 2nd International Railway Symposium, Haydarpaşa, İstanbul, 15-17 October 2008, pp.545-553., Attendee, İstanbul, Turkey, 2008

Akpınar, M. V., Sert, T., "Demiryolu Balast Dolguların Güçlendirilmesinde Geogrid Açıklığının ve Agrega Çapının Değerlendirilmesi", Uluslararası Demiryolu Sempozyumu, 13-14 Aralık 2006, Bilkent Otel ve Konferans Merkezi, Ankara, s.1034-1040., Attendee, Ankara, Turkey, 2006

Sert, T., Akpınar, M. V., "Yol Dolgu Malzemelerinde Zemin Sınıflandırması", Zemin Mekaniği ve Temel Mühendisliği Onbirinci Ulusal Kongresi, 7-8 Eylül 2006, Karadeniz Teknik Üniversitesi, Trabzon, s.113., Attendee, Trabzon, Turkey, 2006

Citations

Total Citations (WOS):29

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