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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Ulaştırma (Dr), Turkey 2013 - 2019

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Ulaştırma (YI) (Tezli), Turkey 1995 - 1999

Undergraduate, Anadolu University, Mühendislik - Mimarlık Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1991 - 1995

Dissertations

Doctorate, Developing Protective & Preventive Security Bollard Against Traffic Accidents for Urban Roadside Fixed Critical Facilities, Istanbul Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Ulaştırma (Dr), 2019

Postgraduate, Quality controls in flexible pavement construction, Istanbul Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Ulaştırma (YI) (Tezli), 1999

Academic Titles / Tasks

Assistant Professor, Istanbul Gelisim University, Faculty Of Engineering And Architecture, Civil Engineering, 2023 - Continues

Courses

Concrete Roads-INF550, Postgraduate, 2023 - 2024

Intelligent Transportation Systems Planning-INF580, Postgraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- A novel modular shallow mounted bollard system design and finite element performance analysis in ensuring urban roadside safety**
APAK M. Y., Ergün M., ÖZEN H., BÜYÜK M., Yumrutas H. I., Ozcanan S., Atahan A. O.
Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, vol.237, no.13, pp.3146-3164, 2023 (SCI-Expanded)

- II. **Crashworthiness of the bollard system by experimentally validated virtual test**
Ibrahim Yumrutas H., APAK M. Y.
Engineering Failure Analysis, vol.148, 2023 (SCI-Expanded)
- III. **Experimental and numerical comparative crashworthiness analysis of innovative renewable hybrid barrier with conventional roadside barriers**
Yumrutas H. I., Ozcanan S., APAK M. Y., Anwer M. J.
International Journal of Crashworthiness, vol.28, no.3, pp.334-350, 2023 (SCI-Expanded)
- IV. **Finite element simulation and failure analysis of fixed bollard system according to the PAS 68:2013 standard**
APAK M. Y., Ergün M., ÖZEN H., BÜYÜK M., Ozcanan S., Atahan A. O., Yumrutas H. I.
Engineering Failure Analysis, vol.135, 2022 (SCI-Expanded)
- V. **Applications of utility tunnels for natural gas pipelines**
APAK M. Y., ÖZEN H., Calis M., Gølgeli B., Ataoglu Ş.
Tunnelling and Underground Space Technology, vol.122, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Sensitivity Analysis About Risk Criteria for Vehicle Crash Risks of Hazardous Roadside Facilities by Analytical Hierarchy Process (AHP) Analitik Hiyerarşı Süreci (AHS) ile Tehlikeli Yol Kenarı Tesislerine Araç Çarpma Risklerine Karşı Bir Duyarlılık Analizi**
APAK M. Y., Ergün M., ÖZEN H.
El-Cezeri Journal of Science and Engineering, vol.6, no.3, pp.836-846, 2019 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Novel Approach to Roadside Barriers: Geopolymer Concrete-based Barriers and Experimental Evaluation**
APAK M. Y.
8th International Icontech Conference on Innovative Surveys in Positive Sciences, Baku, Azerbaijan, 16 - 18 March 2024, vol.1, pp.754
- II. **Developments on the problems of the buried natural gas valve chambers by using TRIZ**
DURAK Ö., APAK M. Y., POLAT R.
4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Turkey, 14 December 2022, vol.1, pp.194
- III. **Fiber Optic Distributed Acoustic Detection Systems in Pipeline Security: Technical and Economic Approach**
DOĞAN T., APAK M. Y., ÇETİN A.
1st International Conference on Engineering and Applied Natural Sciences (ICEANS2022), Konya, Turkey, 10 May 2022, vol.1, pp.1559-1571
- IV. **An Evaluation on Measuring Bollard Performance Experimentally on Urban Roadside Safety**
APAK M. Y., YUMRUTAŞ H. İ.
3rd International Symposium of Engineering Applications on Civil Engineering and Earth Sciences 2021 (IEACES2021), Karabük, Turkey, 22 - 24 September 2021, vol.1, pp.186-198
- V. **Investigation on Clearances For Buried Natural Gas Pipes and Electrical Lines**
APAK M. Y., Gølgeli B., Dur E., Ergür M. H.
International Congress on Underground Infrastructure, Water Management and Trenchless Technology, İstanbul, Turkey, 07 September 2017, vol.1, pp.52-57

Metrics

Publication: 11

Citation (Scopus): 31

H-Index (Scopus): 3

Awards

Yumruřař H. İ., Apak M. Y., En iyi makale ödölü, Yollar Türk Milli Komitesi, January 2023