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Research Areas

Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ground failures and foundation performances in Adıyaman–Gölbasi following the 6 February 2023 Kahramanmaraş–Türkiye Earthquake Sequence**
ÇETİN K. Ö., Moug D., SÖYLEMEZ B., Ayhan B. U., Zarzour M., Suhaily A. A., Akil B., UNUTMAZ B., FIRAT S., TEKİN E., et al.
Earthquake Spectra, 2024 (SCI-Expanded)
- II. **Soil liquefaction sites following the February 6, 2023, Kahramanmaraş–Türkiye earthquake sequence**
ÇETİN K. Ö., SÖYLEMEZ B., Guzel H., ÇAKIR E.
Bulletin of Earthquake Engineering, 2024 (SCI-Expanded)
- III. **The role of site effects on elevated seismic demands and corollary structural damage during the October 30, 2020, M7.0 Samos Island (Aegean Sea) Earthquake**
Çetin K. Ö., Papadimitriou A. G., Altun S., Pelekis P., Unutmaz B., Rovithis E., Akgün M., Klimis N., Askan Gündoğan A., Ziotopoulou K., et al.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.20, no.14, pp.7763-7792, 2022 (SCI-Expanded)
- IV. **Geotechnical reconnaissance findings of the October 30 2020, Mw7.0 Samos Island (Aegean Sea) earthquake**
Ziotopoulou K., ÇETİN K. Ö., Pelekis P., Altun S., Klimis N., SEZER A., Rovithis E., YILMAZ M. T., Papadimitriou A. G., GÜLERCE Z., et al.
Bulletin of Earthquake Engineering, vol.20, no.14, pp.7819-7852, 2022 (SCI-Expanded)
- V. **Predictive performance of current ground motion models for recorded strong motions in 2020 Samos Earthquake**
GÜLERCE Z., Akbaş B., ÖZACAR A. A., Sopacı E., Önder F. M., UZEL B., CAN G., ÇAKIR E., ILGAÇ M., SÖYLEMEZ B., et al.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.152, 2022 (SCI-Expanded)
- VI. **Geotechnical aspects of reconnaissance findings after 2020 January 24th, M6.8 Sivrice–Elazığ–Turkey earthquake**
ÇETİN K. Ö., ÇAKIR E., ILGAÇ M., CAN G., SÖYLEMEZ B., Elsaid A., Cuceoglu F., GÜLERCE Z., ASKAN GÜNDOĞAN A., Aydın S., et al.
Bulletin of Earthquake Engineering, vol.19, no.9, pp.3415-3459, 2021 (SCI-Expanded)

Books & Book Chapters

- I. **Preliminary Report on Engineering and Geological Effects of the January 24, 2020 Magnitude 6.7 Earthquake in Elaziğ, Turkey**
ÇETİN K. Ö., ILGAÇ M., CAN G., ÇAKIR E., SÖYLEMEZ B.
GEER, 2020
- II. **Geotechnical Reconnaissance Findings**
ÇETİN K. Ö., Ziotopoulou K., Mylonakis G., Klimis N., YILMAZ M. T., GÜLERCE Z., CAN G., ILGAÇ M., ÇAKIR E., SÖYLEMEZ B., et al.
in: Seismological and Engineering Effects of the M 7.0 Samos Island (Aegean Sea) Earthquake, K. Onder Cetin, George Mylonakis, Anastasios Sextos, Jonathan P. Stewart, Editor, GEER, pp.179-224, 2020
- III. **Site Effects**
ÇETİN K. Ö., Papadimitriou A., Mylonakis G., Ziotopoulou K., ASKAN GÜNDOĞAN A., ILGAÇ M., CAN G., ÇAKIR E., SÖYLEMEZ B., Elsaid A., et al.
in: Seismological and Engineering Effects of the M 7.0 Samos Island (Aegean Sea) Earthquake, K. Onder Cetin, George Mylonakis, Anastasios Sextos, Jonathan P. Stewart, Editor, GEER, pp.160-178, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of geofom location and density on the improvement of buried flexible pipe**
Söylemez B., Huvaj Sarihan N.
11th International Conference on Geosynthetics (11ICG), Seoul, South Korea, 16 - 21 September 2018, vol.1, pp.1-8
- II. **Bir Deniz Dolgusunda Çöküntü Konilerinin Oluşum Hikayesi**
ÇETİN K. Ö., SÖYLEMEZ B., ÇAKIR E.
Prof. Dr. Feyza Cinicioglu Onuruna Teoriden Uygulamaya Geoteknik Mühendisliği Sempozyumu, Turkey, 10 May 2018

Metrics

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