

Asst. Prof. Sultan YILDIZ

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Istanbul Medipol University, Sağlık Bilimleri Enstitüsü, Sinir Bilim (Dr), Turkey 2019 - 2024

Postgraduate, Istanbul Medipol University, Sağlık Bilimleri Enstitüsü, Sinir Bilim (YI) (Tezli), Turkey 2012 - 2015

Undergraduate, Bogazici University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2010 - 2012

Undergraduate, Bogazici University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2007 - 2010

Research Areas

Neurophysiology, Control of Biological Systems, Signal Processing, Biomedical Image Processing, Biosignal Processing

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Smoking affects global and regional brain entropy in depression patients regardless of depression: Preliminary findings**
Velioglu H. A., YILDIZ S., Ozdemir-Oktem E., Cankaya S., Lundmark A. K., Ozsimsek A., HANOĞLU L., Yulug B.
Journal of Psychiatric Research, vol.177, pp.147-152, 2024 (SCI-Expanded)
- II. **Therapeutic Role of Repetitive Transcranial Magnetic Stimulation in Alzheimer's and Parkinson's Disease: Electroencephalography Microstate Correlates**
HANOĞLU L., Toplutas E., SARICAOĞLU M., VELİOĞLU H. A., YILDIZ S., Yulug B.
Frontiers in Neuroscience, vol.16, 2022 (SCI-Expanded)
- III. **Topological network mechanisms of clinical response to antidepressant treatment in drug-naive major depressive disorder**
Uykur A. B., YILDIZ S., VELİOĞLU H. A., Ozsimsek A., Oktem E. O., BAYRAKTAROĞLU Z., Ergun T., Lakadamyali H., HANOĞLU L., Cankaya S., et al.
Journal of Clinical Neuroscience, vol.84, pp.82-90, 2021 (SCI-Expanded)
- IV. **Power spectral density and coherence analysis of eye disease with and without visual hallucination**
YILDIZ S., Yulug B., KOCABORA M. S., HANOĞLU L.
Neuroscience Letters, vol.740, 2021 (SCI-Expanded)
- V. **FDG-PET scanning shows distributed changes in cortical activity associated with visual hallucinations in eye disease**
HANOĞLU L., YILDIZ S., ÇAKIR T., Hanoglu T., Yulug B.
Endocrine, Metabolic and Immune Disorders - Drug Targets, vol.19, no.1, pp.84-89, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Charles Bonnet syndrome prevalence in patients with low visual acuity Az Gören Hastalarda Charles Bonnet Sendromu Sıklığı**
TANRIVERDİ C., Erdur S. K., KOCABORA M. S., YILDIZ S., HANOĞLU L.
Medical Journal of Bakirkoy, vol.15, no.3, pp.217-221, 2019 (Scopus)
- II. **Therapeutic effects of rivastigmine and alfa-lipoic acid combination in the charles bonnet syndrome: Electroencephalography correlates**
HANOĞLU L., YILDIZ S., POLAT B., Demirci S., Tavli A. M., Yilmaz N., Yulug B.
Current Clinical Pharmacology, vol.11, no.4, pp.270-273, 2016 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **rs-fMRI Analysis Using Spatio-Temporal Sparse Convolutional Neural Networks**
Yener F. M., YILDIZ S., Hafeez M. A., KAYASANDIK C. B., DOĞAN M. Y.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022
- II. **Nonlinear Dynamical Analysis of the EEG Background Activity in Complex Visual Hallucinations (Charles Bonnet Syndrome)**
YILDIZ S., HANOĞLU L., KOCABORA M. S., KARAMAN ERDUR S.
FENS Featured Regional Meeting 2015, Selanik, Greece, 7 - 10 October 2015
- III. **The differences and similarities between the consciousness of dream and wakefulness: A phenomenological and electrophysiological study**
Süzgün E., HANOĞLU L., YAMANOĞLU M., YILDIZ S., ÇADIRCI F., MANTAR N., Toprak G., HELVACI YILMAZ N., YILDIRIM E., YALÇINER Z. B., et al.
Conference Toward a Science of Consciousness, University of Helsinki, 06 August 2015
- IV. **Somatosensoriyel modaliteyi de içeren halüsinasyonları olan bir charles bonnet sendromu olgusu**
HANOĞLU L., POLAT B., DEMİRCİ S., TAVLI A. M., HELVACI YILMAZ N., YILDIZ S.
49. Ulusal Nöroloji Kongresi, Antalya, Turkey, 15 - 21 November 2013