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Kişisel Bilgiler

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Eğitim Bilgileri

Post Doktora, Charite Universitaetsmedizin Berlin, Nöroloji, Nörofizik, Almanya 2010 - 2012

Doktora, İstanbul Üniversitesi, İstanbul Tıp Fakültesi, Fizyoloji, Türkiye 2003 - 2009

Lisans, İstanbul Üniversitesi, İstanbul Tıp Fakültesi, Tıp, Türkiye 1997 - 2003

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Durağan Hal Yanıtlarına Dayalı Hızlı Beyin-Bilgisayar Arayüzü Algoritmalarının Geliştirilmesi, İstanbul Üniversitesi, Sağlık Bilimleri Enstitüsü, Fizyoloji, 2009

Araştırma Alanları

Tıp, Sağlık Bilimleri, Temel Tıp Bilimleri, Fizyoloji, Nörofizyoloji

Akademik Unvanlar / Görevler

Öğretim Görevlisi Dr., İstanbul Üniversitesi, İstanbul Tıp Fakültesi, Fizyoloji, 2012 - Devam Ediyor

Uzman, Charite Universitaetsmedizin Berlin, Tıp Fakültesi, Nöroloji, 2010 - 2012

Araştırma Görevlisi, İstanbul Üniversitesi, İstanbul Tıp Fakültesi, Fizyoloji, 2004 - 2009

Verdiği Dersler

Temel Laboratuvar Teknikleri, Yüksek Lisans, 2015 - 2016

Fizyoloji - B, Yüksek Lisans, 2015 - 2016

Fizyoloji II, Lisans, 2015 - 2016

Fizyoloji , Lisans, 2015 - 2016, 2014 - 2015, 2013 - 2014

Bilimsel Araştırma Yöntemleri, Doktora, 2015 - 2016

Fizyolojide Deney Teknikleri, Doktora, 2015 - 2016

Fizyolojide Güncel Konular, Doktora, 2015 - 2016

Fonksiyonel Beyin Görüntülemesi, Doktora, 2014 - 2015

Kognitif Elektrofizyoloji, Doktora, 2014 - 2015

Fizyoloji, Lisans, 2014 - 2015

Fizyoloji , Lisans, 2012 - 2013

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Effectiveness of Anodal otDCS Following with Anodal tDCS Rather than tDCS Alone for Increasing of Relative Power of Intrinsic Matched EEG Bands in Rat Brains**
Al-Tawarah N. M., Kaptan Z., Abu-Harirah H. A., Nofal M., Almajali B., Jarrar S., Bayraktaroğlu Z., Qaralleh H., Khleifat K. M., Ziylan Z. Y., et al.
Brain Sciences, cilt.13, sa.1, 2023 (SCI-Expanded)
- II. **Effect of upper limb focal muscle vibration on cortical activity: A systematic review with a focus on primary motor cortex**
KOLBAŞI E. N., Huseyinsinoglu B. E., Bayraktaroglu Z.
EUROPEAN JOURNAL OF NEUROSCIENCE, cilt.56, sa.3, ss.4141-4153, 2022 (SCI-Expanded)
- III. **Lower prepulse inhibition in clinical high-risk groups but not in familial risk groups for psychosis compared with healthy controls**
Togay B., Cikrikcili U., Bayraktaroglu Z., Uslu A., Noyan H., Uçok A.
EARLY INTERVENTION IN PSYCHIATRY, 2019 (SCI-Expanded)
- IV. **VOLUNTARY CONTROL OF CORTICOMUSCULAR COHERENCE THROUGH NEUROFEEDBACK: A PROOF-OF-PRINCIPLE STUDY IN HEALTHY SUBJECTS**
VON CARLOWITZ-GHORI K., Bayraktaroglu Z., WATERSTRAAT G., CURIO G., NIKULIN V. V.
NEUROSCIENCE, cilt.290, ss.243-254, 2015 (SCI-Expanded)
- V. **Corticomuscular coherence in acute and chronic stroke**
VON CARLOWITZ-GHORI K., Bayraktaroglu Z., HOHLEFELD F. U., LOSCH F., CURIO G., NIKULIN V. V.
CLINICAL NEUROPHYSIOLOGY, cilt.125, sa.6, ss.1182-1191, 2014 (SCI-Expanded)
- VI. **It is not all about phase: Amplitude dynamics in corticomuscular interactions**
Bayraktaroglu Z., VON CARLOWITZ-GHORI K., CURIO G., NIKULIN V. V.
NEUROIMAGE, cilt.64, ss.496-504, 2013 (SCI-Expanded)
- VII. **Optimal imaging of cortico-muscular coherence through a novel regression technique based on multi-channel EEG and un-rectified EMG**
Bayraktaroglu Z., VON CARLOWITZ-GHORI K., LOSCH F., NOLTE G., CURIO G., NIKULIN V. V.
NEUROIMAGE, cilt.57, sa.3, ss.1059-1067, 2011 (SCI-Expanded)
- VIII. **Effect of complete stimulus predictability on P3 and N2 components: an electroencephalographic study**
VON CARLOWITZ-GHORI K. M. B., HOHLEFELD F. U., Bayraktaroglu Z., CURIO G., NIKULIN V. V.
NEUROREPORT, cilt.22, sa.9, ss.459-463, 2011 (SCI-Expanded)
- IX. **Simultaneous EEG/fMRI Analysis of the Resonance Phenomena in Steady-State Visual Evoked Responses**
Bayram A., Bayraktaroglu Z., Karahan E., Erdogan B., Bilgic B., Ozker M., Kasikci I., Duru A. D., Ademoglu A., Ozturk C., et al.
CLINICAL EEG AND NEUROSCIENCE, cilt.42, sa.2, ss.98-106, 2011 (SCI-Expanded)
- X. **Changes in BOLD transients with visual stimuli across 1-44 Hz**
Emir U. E., Bayraktaroglu Z., Ozturk C., Ademoglu A., Demiralp T.
NEUROSCIENCE LETTERS, cilt.436, sa.2, ss.185-188, 2008 (SCI-Expanded)
- XI. **Gamma amplitudes are coupled to theta phase in human EEG during visual perception**
Demiralp T., Bayraktaroglu Z., Lenz D., Junge S., Busch N. A., Maess B., Ergen M., Herrmann C. S.
INTERNATIONAL JOURNAL OF PSYCHOPHYSIOLOGY, cilt.64, sa.1, ss.24-30, 2007 (SCI-Expanded)
- XII. **Event related alpha oscillations during encoding and retention phases of the Sternberg paradigm**

- ERGEN M., USLU A., YILDIRIM E., Bayraktaroglu Z., GURVIT H., DEMIRALP T.
INTERNATIONAL JOURNAL OF PSYCHOPHYSIOLOGY, cilt.61, sa.3, ss.372, 2006 (SCI-Expanded)
- XIII. **Time frequency analysis of Event-Related Potentials associated with the Stroop task**
SABAN S., ERGEN M., KIRMIZI E., Bayraktaroglu Z., GURVIT H., DEMIRALP T.
INTERNATIONAL JOURNAL OF PSYCHOPHYSIOLOGY, cilt.61, sa.3, ss.371, 2006 (SCI-Expanded)
- XIV. **The interaction of theta and gamma oscillations in human cognition**
DEMIRALP T., Bayraktaroglu Z., LENZ D., JUNG S., BUSCH N. A., HERRMANN C. S.
INTERNATIONAL JOURNAL OF PSYCHOPHYSIOLOGY, cilt.61, sa.3, ss.309, 2006 (SCI-Expanded)
- XV. **Bold changes during driven electrical oscillations in human brain**
Bayraktaroglu Z., EMIR U. E., OZTURK C., ADEOROGLU A., DEMIRALP T.
INTERNATIONAL JOURNAL OF PSYCHOPHYSIOLOGY, cilt.61, sa.3, ss.368, 2006 (SCI-Expanded)
- XVI. **Event-related oscillations (EROs) in mesial temporal sclerosis (MTS) and Alzheimer's disease (AD)**
GURVIT H., Bayraktaroglu Z., HANAGASI H. A., HANAGASI F., GOKYIGIT A. Z., DEMIRALP T.
INTERNATIONAL JOURNAL OF PSYCHOPHYSIOLOGY, cilt.61, sa.3, ss.299-300, 2006 (SCI-Expanded)
- XVII. **Decomposition of the response mode effects in oddball ERPs**
Bayraktaroglu Z., ERGENOGLU T., KIRMIZI-ALSAN E., DEMIRALP T.
INTERNATIONAL JOURNAL OF PSYCHOPHYSIOLOGY, cilt.61, sa.3, ss.370, 2006 (SCI-Expanded)
- XVIII. **Comparative analysis of event-related potentials during Go/NoGo and CPT: Decomposition of electrophysiological markers of response inhibition and sustained attention**
KIRMIZI-ALSAN E., Bayraktaroglu Z., Gurvit H., Keskin Y. H., EMRE M., Demiralp T.
Brain Research, cilt.1104, sa.1, ss.114-128, 2006 (SCI-Expanded)
- XIX. **Genetic subtypes of human immunodeficiency virus type 1 (HIV-1) in Istanbul, Turkey**
Yilmaz G., Midilli K., Turkoglu S., Bayraktaroglu Z., Kuskucu A. M., Ozkan E., Atasever L., Calangu S., Altas K.
International Journal of Infectious Diseases, cilt.10, sa.4, ss.286-290, 2006 (SCI-Expanded)
- XX. **Alpha rhythm of the EEG modulates visual detection performance in humans**
Ergenoglu T., Demiralp T., Bayraktaroglu Z., Ergen M., Beydagi H., Uresin Y.
COGNITIVE BRAIN RESEARCH, cilt.20, sa.3, ss.376-383, 2004 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Source concordance analysis of simultaneously recorded steady state visual evoked potentials & fMRI**
Duru A. D., BAYRAKTAROĞLU Z., KURT E., YILDIZ C. U., Göksel Duru D., Ademoğlu A., DEMİRALP T.
OHBM 2014 Annual Meeting, Hamburg, Almanya, 8 - 12 Haziran 2014, ss.130
- II. **Stimulating the intrinsic connectivity: steady-state visual responses in EEG/fMRI measurements**
Duru A. D., KURT E., BAYRAM A., Erdoğan B., Deniz S. M., BAYRAKTAROĞLU Z.
Mind-Brain Symposium (in the framework of the International Brain Awareness Week), Berlin, Almanya, 13 - 14 Mart 2013, ss.11-12
- III. **Amnezi simülasyonunun elektrofizyolojik göstergeleri, Electrophysiological indicators of amnesia simulation**
Yıldırım E., Bayraktaroğlu Z., Uslu A., Demiralp T.
8th National Congress of Neuroscience, Bolu, Türkiye, 18 - 22 Nisan 2009, cilt.15, sa.1, ss.231-232
- IV. **Detection of malingering by electrophysiological methods**
Yıldırım E., Uslu A., Bayraktaroğlu Z., Demiralp T.
Cognitive VI, International Cognitive Neuroscience Meeting, Muğla, Türkiye, 14 - 18 Nisan 2009, cilt.4, sa.2, ss.129-130
- V. **Projection of the Steady State Visual Evoked Potentials on Prefrontal Cortex**
Ozker M., Bayraktaroglu Z., Kasikci I., Erdogan B., Akin A., Demiralp T.
14th National Biomedical Engineering Meeting, İzmir, Türkiye, 20 - 22 Mayıs 2009, ss.470-471
- VI. **Event-related brain oscillations associated with color-word interference**

Ergen M., Saban S., Kırmızı-Alsan E., Bayraktaroğlu Z., Uslu A., Gürvit İ. H., Demiralp T.

10th International Conference on Cognitive Neuroscience, Muğla, Türkiye, 1 - 05 Eylül 2008, ss.146

VII. Estimating sedation depth using correlation dimension of spontaneous EEG and auditory steady-state responses

Cebeci B., Gürkan G., Bayraktaroğlu Z., Uslu A., Olmez T., Akan A.

10th International Conference on Cognitive Neuroscience, Muğla, Türkiye, 1 - 05 Eylül 2008, ss.402

VIII. Long-term cognitive effect of SCUBA diving

Uslu A., Caglar O., Ergen M., Keskin Ergen Y., Bayraktaroğlu Z., Gürvit İ. H., Demiralp T., Çimşit M.

Cognitive V, International Cognitive Neuroscience Meeting, Muğla, Türkiye, 17 - 21 Mayıs 2008, cilt.3, sa.2, ss.113

IX. Neuropsychological Tests (NpTs) and event-related potentials (ERPs) records in SCUBA divers

Uslu A., Caglar O., Ergen M., Keskin-Ergen Y., Bayraktaroğlu Z., Gürvit İ. H., Demiralp T., Çimşit M.

7th National Congress of Neuroscience, Adana, Türkiye, 16 - 20 Nisan 2008, cilt.7, sa.1, ss.1

X. Relationship of BOLD response with steady state evoked potentials

Bayraktaroğlu Z., Emir U. E., Uslu A., Öztürk C., Ademoğlu A., Demiralp T.

6th National Congress of Neuroscience, Karabük, Türkiye, 9 - 13 Nisan 2007, cilt.6, sa.1, ss.23

XI. Implementation of low resolution electro-magnetic tomography with fMRI statistical maps on realistic head models

Duru A. D., Eryılmaz H., Emir U., Bayraktaroğlu Z., Demiralp T., Ademoglu A.

29th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society, Lyon, Fransa, 22 - 26 Ağustos 2007, ss.5239-5240

XII. Event related alpha oscillations during encoding and retention phases of the stenberg paradigm

Ergen M., Uslu A., Yıldırım E., Bayraktaroğlu Z., Gürvit İ. H., Demiralp T.

International Organization of Psychophysiology, Associated with the United Nations (New York). 13th World Congress of Psychophysiology - THE OLYMPICS OF THE BRAIN, İstanbul, Türkiye, 28 Ağustos - 02 Eylül 2006, cilt.61, sa.3, ss.372

XIII. Brain potentials during encoding and retention processes of short term memory

Ergen M., Uslu A., Yıldırım E., Bayraktaroğlu Z., Gürvit İ. H., Demiralp T.

5th National Congress of Neuroscience, Zonguldak, Türkiye, 10 - 14 Nisan 2006, cilt.5, sa.1, ss.13

XIV. Interactions between the theta and gamma oscillations in human EEG

Bayraktaroğlu Z., Uslu A., Lenz D., Junge S., Busch N. A., Maess B., Ergen M., Demiralp T.

5th National Congress of Neuroscience, Zonguldak, Türkiye, 10 - 14 Nisan 2006, ss.38

XV. Interactions of gamma and theta oscillations in the electroencephalogram (EEG) during memory processes

Bayraktaroğlu Z., Demiralp T., LENZ D., JUNGE S., BUSCH N. A., MAESS B., Ergen M., HERRMANN C. S.

IEEE 14th Signal Processing and Communications Applications, Antalya, Türkiye, 16 - 19 Nisan 2006, ss.802-804

Metrikler

Yayın: 35

Atıf (WoS): 751

Atıf (Scopus): 899

H-İndeks (WoS): 10

H-İndeks (Scopus): 10