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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
Fiziyoloji, 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.
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II. **Effect of upper limb focal muscle vibration on cortical activity: A systematic review with a focus on primary motor cortex**
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III. **Lower prepulse inhibition in clinical high-risk groups but not in familial risk groups for psychosis compared with healthy controls**
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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.
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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.
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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.
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XIV. **The interaction of theta and gamma oscillations in human cognition**
DEMIRALP T., Bayraktaroglu Z., LENZ D., JUNGE 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.
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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.
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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.
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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.
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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**
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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., Keskın-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., Eryilmaz H., Emir U., Bayraktaroglu 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.
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XV. **Interactions of gamma and theta oscillations in the electroencephalogram (EEG) during memory processes**
Bayraktaroglu Z., Demiralp T., LENZ D., JUNGE S., BUSCH N. A., MAESS B., Ergen M., HERRMANN C. S.
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Metrikler

Yayın: 35
Atıf (WoS): 845
Atıf (Scopus): 899
H-İndeks (WoS): 10
H-İndeks (Scopus): 10