

Kişisel Bilgiler

E-posta: gilbay@kocaeli.edu.tr

Eğitim Bilgileri

Tıpta Uzmanlık, Çukurova Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Türkiye 1993 - 1996

Yabancı Diller

İngilizce, B2 Orta Üstü

Araştırma Alanları

Tıp, Fizyoloji

Akademik Unvanlar / Görevler

Doç.Dr., Kocaeli Üniversitesi, Tıp Fakültesi, 2014 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **The Effects of Neonatal Caffeine Administration on Absence Epilepsy and Brain Tissue Membranes on Adult Wistar - Albino -Glaxo Rijswijk (Wag/Rij) Rats**
Dogan Z. I. , İLBAY G., Kaya S. T. , Balikci A., ATEŞ N.
ACTA PHYSIOLOGICA, cilt.225, ss.20, 2018 (SCI İndekslerine Giren Dergi)
- **The Effects of Neonatal Tactile Stimulation and Deep Touch Pressure on Absence Epilepsy and Comorbid Depression Like Behaviors in Adult Wistar-Albino-Glaxo Rijswijk (Wag/Rij) Rats**
Balikci A., İLBAY G., ATEŞ N.
ACTA PHYSIOLOGICA, cilt.225, ss.20-21, 2018 (SCI İndekslerine Giren Dergi)
- **Side-Effects of Convulsive Seizures and Anti-Seizure Therapy on Bone in a Rat Model of Epilepsy**
Ustaoglu S. G. , EVİS Z., İLBAY G., Boskey A. L. , Severcan F.
APPLIED SPECTROSCOPY, cilt.72, ss.689-705, 2018 (SCI İndekslerine Giren Dergi)
- **Prevention of Epineural Fibrosis in Rats by Local Administration of Mitomycin C or Daunorubicin**
Vural E., Yilmaz M., İlbay K., İLBAY G.
TURKISH NEUROSURGERY, cilt.26, ss.291-296, 2016 (SCI İndekslerine Giren Dergi)
- **Epileptic seizures induce structural and functional alterations on brain tissue membranes**
Turker S., Severcan M., İLBAY G., Severcan F.
BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES, cilt.1838, ss.3088-3096, 2014 (SCI İndekslerine Giren Dergi)
- **Investigation of Compositional, Structural, and Dynamical Changes of Pentylene-tetrazol-Induced Seizures on a Rat Brain by FT-IR Spectroscopy**
Turker S., İLBAY G., Severcan M., Severcan F.
ANALYTICAL CHEMISTRY, cilt.86, ss.1395-1403, 2014 (SCI İndekslerine Giren Dergi)
- **Migration of a Lumbar Rod to Posterior Sacral Region: An Extremely Unusual Complication of Spinal Instrumentation**
İlbay K., Yasa N., İLBAY G., ETUŞ V.
JOURNAL OF NEUROLOGICAL SCIENCES-TURKISH, cilt.31, ss.209-212, 2014 (SCI İndekslerine Giren Dergi)

- **Investigation of the effects of different epileptic activities on cell membrane proteins reveals diagnostic information**
Turker S., Severcan M., İlbay G., Severcan F.
AMINO ACIDS, cilt.41, 2011 (SCI İndekslerine Giren Dergi)
- **Effect of pentylenetetrazole and sound stimulation induced single and repeated convulsive seizures on the MDA, GSH and NO levels, and SOD activities in rat liver and kidney tissues**
DİLLİOĞLUGİL M. Ö. , Kir H., Demir C., İLBAY G., ŞAHİN D., DİLLİOĞLUGİL Ö., BAMBAL G., MEKİK H., ATEŞ N.
BRAIN RESEARCH BULLETIN, cilt.83, ss.356-359, 2010 (SCI İndekslerine Giren Dergi)
- **Diagnosis of Airway Obstruction or Restrictive Spirometric Patterns by Multiclass Support Vector Machines**
ŞAHİN D., Ubeyli E. D. , İLBAY G., Sahin M., Yasar A. B.
JOURNAL OF MEDICAL SYSTEMS, cilt.34, ss.967-973, 2010 (SCI İndekslerine Giren Dergi)
- **Recurrent Neural Networks for Diagnosis of Carpal Tunnel Syndrome Using Electrophysiologic Findings**
İlbay K., Ubeyli E. D. , İLBAY G., Budak F.
JOURNAL OF MEDICAL SYSTEMS, cilt.34, ss.643-650, 2010 (SCI İndekslerine Giren Dergi)
- **Differentiation of Two Subtypes of Adult Hydrocephalus by Mixture of Experts**
Ubeyli E. D. , İlbay K., İLBAY G., ŞAHİN D., AKANSEL G.
JOURNAL OF MEDICAL SYSTEMS, cilt.34, ss.281-290, 2010 (SCI İndekslerine Giren Dergi)
- **Analysis of spike-wave discharges in rats using discrete wavelet transform**
Ubeyli E. D. , İlbay G., ŞAHİN D., ATEŞ N.
COMPUTERS IN BIOLOGY AND MEDICINE, cilt.39, ss.294-300, 2009 (SCI İndekslerine Giren Dergi)
- **Vagus Nerve Stimulation Suppresses Generalized Seizure Activity and Seizure-Triggered Postictal Cardiac Rhythm Changes in Rats**
ŞAHİN D., İLBAY G., İmal M., Bozdoğan O., ATEŞ N.
PHYSIOLOGICAL RESEARCH, cilt.58, ss.345-350, 2009 (SCI İndekslerine Giren Dergi)
- **Immunocytochemistry of neuron specific enolase (NSE) in the rat brain after single and repeated epileptic seizures**
Yardimoglu M., İlbay G., DALÇIK C., DALÇIK H., ŞAHİN D., ATEŞ N.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, cilt.118, ss.981-993, 2008 (SCI İndekslerine Giren Dergi)
- **Effects of the adenosinergic neuromodulatory system on absence epilepsy and cerebrovascular permeability**
Sahin D., İlbay G., Ates N.
ACTA PHARMACOLOGICA SINICA, cilt.27, ss.112, 2006 (SCI İndekslerine Giren Dergi)
- **Suppression of generalized seizures activity by intrathalamic 2-chloroadenosine application**
Ates N., İlbay G., Sahin D.
EXPERIMENTAL BIOLOGY AND MEDICINE, cilt.230, ss.501-505, 2005 (SCI İndekslerine Giren Dergi)
- **Topical application of mitomycin C prevents epineural scar formation in rats**
İlbay K., Etus V., Yıldız K., İlbay G., Ceylan S.
NEUROSURGICAL REVIEW, cilt.28, ss.148-153, 2005 (SCI İndekslerine Giren Dergi)
- **Theophylline, a methylxanthine derivative, suppresses absence epileptic seizures in WAG/Rij rats**
Ates N., Sahin D., İlbay G.
EPILEPSY & BEHAVIOR, cilt.5, ss.645-648, 2004 (SCI İndekslerine Giren Dergi)
- **Changes in blood-brain barrier permeability during hot water-induced seizures in rats**
İlbay G., Sahin D., Ates N.
NEUROLOGICAL SCIENCES, cilt.24, ss.232-235, 2003 (SCI İndekslerine Giren Dergi)
- **Changes in the blood-brain barrier permeability and in the brain tissue trace element concentrations after single and repeated pentylenetetrazole-induced seizures in rats**
Sahin D., İlbay G., Ates N.
PHARMACOLOGICAL RESEARCH, cilt.48, ss.69-73, 2003 (SCI İndekslerine Giren Dergi)
- **Effects of adenosine administration on spike-wave discharge frequency in genetically epileptic rats.**
İlbay G., Sahin D., Karson A., Ates N.
Clinical and experimental pharmacology & physiology, cilt.28, ss.643-6, 2001 (SCI Expanded İndekslerine Giren Dergi)

- **Blood pressure and vascular reactivity to endothelin-1, phenylephrine, serotonin, KCl and acetylcholine following chronic alcohol consumption in vitro.**
Utkan T., Yildiz F., İlbay G., Ozdemirci S., Erden B. F. , Gacar N., Ulak G.
Fundamental & clinical pharmacology, cilt.15, ss.157-65, 2001 (SCI İndekslerine Giren Dergi)
- **Blood pressure and vascular reactivity to endothelin-1, phenylephrine, serotonin, KCl and acetylcholine following chronic alcohol consumption in vitro**
Utkan T., Yildiz F., İlbay G., Ozdemirci S., Erden B. F. , Gacar N., Ulak G.
FUNDAMENTAL & CLINICAL PHARMACOLOGY, cilt.15, ss.157-165, 2001 (SCI İndekslerine Giren Dergi)
- **Absence epilepsy and regional blood-brain barrier permeability: The effects of pentylene-tetrazole-induced convulsions**
Ates N., Esen N., İlbay G.
PHARMACOLOGICAL RESEARCH, cilt.39, ss.305-310, 1999 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- **Botulinum toxin in the treatment of lingual dystonia induced by speaking**
BUDAK F., Aydin E., Koçkaya A., İLBAY G.
Case Reports in Neurology, cilt.5, ss.18-20, 2013 (Diğer Kurumların Hakemli Dergileri)
- **Light and Electron Microscopic Examinations in the Hippocampus of the Rat Brain Following PTZ Induced Epileptic Seizures. Journal of Applied Biological Sciences**
YARDIMOĞLU YILMAZ M., İLBAY G., KÖKTÜRK S., DURMAZ ONAR F., ŞAHİN D., ALKAN F., DALÇIK H.
Journal of applied Biological Sciences (JABS), cilt.1, ss.97-106, 2007
- **Light and electron microscopic examinations in the hippocampus of the rat brain following epileptic seizures**
YARDIMOĞLU YILMAZ M., İLBAY G., KÖKTÜRK S., DURMAZ ONAR F., ŞAHİN D., ALKAN F., DALÇIK H.
5nd National Congress of Neuroscience (V.Ulusal Sinirbilimleri Kongresi, Neuroanatomy Abstract Book, cilt.5, ss.24, 2006 (Diğer Kurumların Hakemli Dergileri)
- **Immunohistochemistry of neuron specific enolase NSE in the rat brain after single and repeated pentylene-tetrazol PTZ induced epileptic seizures**
YARDIMOĞLU YILMAZ M., İLBAY G., DALÇIK C., DALÇIK H., ŞAHİN D., ATEŞ N.
5nd National Congress of Neuroscience (V.Ulusal Sinirbilimleri Kongresi, Neuroanatomy Abstract Book, cilt.5, ss.23-24, 2006 (Diğer Kurumların Hakemli Dergileri)
- **Effects of granulocyte colony stimulating factor g csf on neutrophil phagocytosis during experimental obstructive jaundice**
ALDEMİR B., İLBAY G., ŞAHİN D., DÜLGER M.
Ulusal travma dergisi, cilt.8, ss.137-141, 2002 (Diğer Kurumların Hakemli Dergileri)
- **Effects of granulocyte colony-stimulating factor (g-csf) on neutrophil phagocytosis during experimental obstructive jaundice.**
Aldemir B., Canturk Z., İlbay G., Sahin D., Dulger M.
Ulusal travma dergisi = Turkish journal of trauma & emergency surgery : TJTES, cilt.8, ss.137-41, 2002 (Diğer Kurumların Hakemli Dergileri)
- **Steroids for the spinal cord injuries Spinal kord travmalarında steroidler**
İlbay K., CEYLAN S., İLBAY G.
SENDROM, cilt.9, ss.45-48, 1997 (Diğer Kurumların Hakemli Dergileri)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- **SCIATALGIA CAUSED BY EPIDURAL AIR AFTER EXTRADURAL SPINAL MASS EXCISION: A CASE REPORT**
MALÇOK Ü. A. , ÇAKLILI M., İLBAY G., İLBAY M. K.
Servikal ve Torakal Dejenaratif Omurga Sempozyumu, Türkiye, 21 - 24 Eylül 2017
- **Investigation of Age-Related Effects of Absence Seziures: an FTIR study**

TÜRKER KAYA S., İLBAY G.

International Conference on Biochemistry and Molecular Biology, Munich, Almanya, 3 - 05 Nisan 2017

- **The side-effects of convulsive epileptic seizures and Carbamazepine therapy on bone tissues of genetically-induced epileptic rats: An FTIR imaging and biomechanical study**

Garip S., EVİS Z., İLBAY G., Boskey A. L. , Severcan F.

Experimental Biology Meeting 2011, Washington, Kiribati, 9 - 13 Nisan 2011, cilt.25

- **Discrete Wavelet Transform for Analysis of Spike-Wave Discharges in Rats**

Uebeyli E. D. , İlbay G., ŞAHİN D., ATEŞ N.

30th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society, Vancouver, Kanada, 20 - 24 Ağustos 2008, ss.4680-4681

- **The investigation of early molecular consequences of chemically induced epileptic activity**

Gorgulu S. T. , Kara N., Gunes Z., Ates N., İlbay G., Severcan F.

60th Annual Meeting of the American-Epilepsy-Society, California, Amerika Birleşik Devletleri, 1 - 05 Aralık 2006, cilt.47, ss.234

Desteklenen Projeler

İLBAY G., Yükseköğretim Kurumları Destekli Proje, NEONATAL DÖNEMDE KAFEİN UYGULANIMININ NÖBET MODELLERİNDE DAVRANIŞSAL, ELEKTROENSEFALOGRAFİK, NÖROANATOMİK ETKİLERİNİN ARAŞTIRILMASI, 2017 - 2018

İLBAY G., Yükseköğretim Kurumları Destekli Proje, Normal ve epilepsili sıçanlarda taktil uyarıların nöroanatomik, davranışsal ve elektrofizyolojik etkilerinin araştırılması, 2014 - 2016

Atıflar

Toplam Atf Sayısı (WOS):296

h-indeksi (WOS):12