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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: B-2924-2014

ScopusID: 12345271700

Yoksis Researcher ID: 192587

Education Information

Post Doctorate, Boston University, College of Engineering (Biomedical Engineering), Neurophotonics Center, United States Of America 2017 - 2018

Post Doctorate, Massachusetts General Hospital, Martinos Center for Biomedical Imaging, Optics Division, United States Of America 2016 - 2017

Expertise In Medicine, Hacettepe University, Tıp Fakültesi, Nöroloji, Turkey 2009 - 2014

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Nörolojik Ve Psikiyatrik Temel Bilimler, Turkey 2007 - 2012

Undergraduate, Hacettepe University, Tıp Fakültesi, Tıp (İng.), Turkey 2003 - 2009

Foreign Languages

English, C1 Advanced

Dissertations

Expertise In Medicine, Migren Atağı Sırasında Serum İnflamazom Aktivasyonu Belirteçlerinin Analizi, Hacettepe Üniversitesi, Tıp Fakültesi, Nöroloji, 2014

Doctorate, Kortikal Yayılan Depresyona Bağlı Trigeminovasküler Aktivasyonda Glia Limitansın Rolünün İncelenmesi, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Nörolojik Ve Psikiyatrik Temel Bilimler, 2012

Research Areas

Medicine, Internal Medicine Sciences, Neurology, Life Sciences, Neurobiology, Health Sciences, Natural Sciences

Academic Titles / Tasks

Associate Professor, Hacettepe University, Nörolojik Bilimler ve Psikiyatri Enstitüsü, Nörolojik ve Psikolojik Temel Bilimler A.B.D., 2023 - Continues

Assistant Professor, Hacettepe University, Nörolojik Bilimler ve Psikiyatri Enstitüsü, Nörolojik ve Psikolojik Temel

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Vesicular HMGB1 release from neurons stressed with spreading depolarization enables confined inflammatory signaling to astrocytes**
Kaya Z., Belder N., Sever-Bahcekapili M., Donmez-Demir B., Erdener Ş. E., Bozbeyoglu N., Bagci C., Eren-Kocak E., Yemisci M., Karatas H., et al.
Journal of Neuroinflammation, vol.20, no.1, 2023 (SCI-Expanded)
- II. **Measurements of cerebral microvascular blood flow, oxygenation, and morphology in a mouse model of whole-brain irradiation-induced cognitive impairment by two-photon microscopy and optical coherence tomography: evidence for microvascular injury in the cerebral white matter**
Li B., Yabluchanskiy A., Tarantini S., Allu S. R., Şencan-Eğilmez I., Leng J., Alfarhel M. A. H., Porter J. E., Fu B., Ran C., et al.
GeroScience, vol.45, no.3, pp.1491-1510, 2023 (SCI-Expanded)
- III. **Neurovascular coupling is preserved in chronic stroke recovery after targeted photothrombosis**
Sunil S., Jiang J., Shah S., Kura S., Kilic K., ERDENER Ş. E., Ayata C., Devor A., Boas D. A.
NeuroImage: Clinical, vol.38, 2023 (SCI-Expanded)
- IV. **Contractile apparatus in CNS capillary pericytes**
ERDENER Ş. E., Kureli G., DALKARA T.
NEUROPHOTONICS, vol.9, no.2, 2022 (SCI-Expanded)
- V. **Overview of extracellular vesicle characterization techniques and introduction to combined reflectance and fluorescence confocal microscopy to distinguish extracellular vesicle subpopulations**
Bağcı C., Sever-Bahcekapili M., Belder N., Bennett A. P. S., Erdener Ş. E., Dalkara T.
Neurophotonics, vol.9, no.2, 2022 (SCI-Expanded)
- VI. **Confocal reflectance microscopy for metal and lipid nanoparticle visualization in the brain**
ÇAKIR AKTAŞ C., ERDENER Ş. E., Teke B., Pehlivan S. B., ZEYBEK N. D., TAŞKIRAN SAĞ A., Kaya Z., DALKARA T., MUT AŞKUN M.
NANOMEDICINE, vol.17, pp.447-460, 2022 (SCI-Expanded)
- VII. **Speechreading as a secondary diagnostic tool in bipolar disorder**
Erdener D., ERDENER Ş. E.
MEDICAL HYPOTHESES, vol.158, 2022 (SCI-Expanded)
- VIII. **Parenchymal neuroinflammatory signaling and dural neurogenic inflammation in migraine**
ERDENER Ş. E., Kaya Z., DALKARA T.
JOURNAL OF HEADACHE AND PAIN, vol.22, no.1, 2021 (SCI-Expanded)
- IX. **Choosing a model for laser speckle contrast**
Liu C., Kilic K., Erdener S. E., Boas D. A., Postnov D. D.
BIOMEDICAL OPTICS EXPRESS, vol.12, no.6, 2021 (SCI-Expanded)
- X. **Dynamic capillary stalls in reperfused ischemic penumbra contribute to injury: A hyperacute role for neutrophils in persistent traffic jams**
Erdener Ş. E., Tang J., Kilic K., Postnov D., Giblin J. T., Kura S., Chen I. A., Vayisoglu T., Sakadzic S., Schaffer C. B., et al.
JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM, vol.41, no.2, pp.236-252, 2021 (SCI-Expanded)
- XI. **Stroke core revealed by tissue scattering using spatial frequency domain imaging**
Sunil S., Erdener S. E., Cheng X., Kura S., Tang J., Jiang J., Karrobi K., Kilic K., Roblyer D., Boas D. A.
NEUROIMAGE-CLINICAL, vol.29, 2021 (SCI-Expanded)
- XII. **Chronic Cranial Windows for Long Term Multimodal Neurovascular Imaging in Mice**
Kilic K., Desjardins M., Tang J., Thunemann M., Sunil S., Erdener S. E., Postnov D. D., Boas D. A., Devor A.
FRONTIERS IN PHYSIOLOGY, vol.11, 2021 (SCI-Expanded)
- XIII. **Dynamic light scattering imaging**

- Postnov D. D., Tang J., ERDENER Ş. E., Kilic K., Boas D. A.
SCIENCE ADVANCES, vol.6, no.45, 2020 (SCI-Expanded)
- XIV. **F-actin polymerization contributes to pericyte contractility in retinal capillaries**
Kureli G., Yilmaz-Ozcan S., Erdener Ş. E., Donmez-Demir B. N., Yemisci M., Karatas H., Dalkara T.
EXPERIMENTAL NEUROLOGY, vol.332, 2020 (SCI-Expanded)
- XV. **Functional Ultrasound Speckle Decorrelation-Based Velocimetry of the Brain**
Tang J., Postnov D. D., Kilic K., Erdener Ş. E., Lee B., Giblin J. T., Szabo T. L., Boas D. A.
ADVANCED SCIENCE, vol.7, no.18, 2020 (SCI-Expanded)
- XVI. **KCl-induced cortical spreading depression waves more heterogeneously propagate than optogenetically-induced waves in lissencephalic brain: an analysis with optical flow tools**
Donmez-Demir B., ERDENER Ş. E., KARATAŞ KURŞUN H., Kaya Z., ULUSOY İ., DALKARA T.
SCIENTIFIC REPORTS, vol.10, no.1, 2020 (SCI-Expanded)
- XVII. **Awake chronic mouse model of targeted pial vessel occlusion via photothrombosis.**
Sunil S., Erdener Ş. E., Lee B., Postnov D., Tang J., Kura S., Cheng X., Chen I., Boas D., Kılıç K.
Neurophotonics, vol.7, pp.15005, 2020 (SCI-Expanded)
- XVIII. **Spatio-temporal dynamics of cerebral capillary segments with stalling red blood cells.**
Erdener Ş. E., TANG J., SAJJADI A., KILİÇ K., KURA S., SCHAFFER C., BOAS D.
Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism, vol.39, pp.886-900, 2019 (SCI-Expanded)
- XIX. **Normalized field autocorrelation function-based optical coherence tomography three-dimensional angiography**
Tang J., Erdener S. E., Sunil S., Boas D. A.
JOURNAL OF BIOMEDICAL OPTICS, vol.24, no.3, 2019 (SCI-Expanded)
- XX. **Choosing a laser for laser speckle contrast imaging**
Postnov D. D., Cheng X., Erdener S. E., Boas D. A.
SCIENTIFIC REPORTS, vol.9, 2019 (SCI-Expanded)
- XXI. **Small vessels are a big problem in neurodegeneration and neuroprotection**
Erdener Ş. E., Dalkara T.
Frontiers in Neurology, vol.10, no.AUG, 2019 (SCI-Expanded)
- XXII. **Cardiac pulsatility mapping and vessel type identification using laser speckle contrast imaging**
Postnov D. D., Erdener S. E., Kilic K., Boas D. A.
BIOMEDICAL OPTICS EXPRESS, vol.9, no.12, pp.6388-6397, 2018 (SCI-Expanded)
- XXIII. **Improving Microcirculatory Reperfusion Reduces Parenchymal Oxygen Radical Formation and Provides Neuroprotection.**
TASKIRAN-SAG A., YEMISCI M., GURSOY-OZDEMIR Y., ERDENER Ş. E., KARATAS H., YÜCE D., DALKARA T.
Stroke, vol.49, no.5, pp.1267-1275, 2018 (SCI-Expanded)
- XXIV. **Shear-induced diffusion of red blood cells measured with dynamic light scattering-optical coherence tomography**
Tang J., Erdener S. E., Li B., Fu B., Sakadzic S., Carp S. A., Lee J., Boas D. A.
JOURNAL OF BIOPHOTONICS, vol.11, no.2, 2018 (SCI-Expanded)
- XXV. **Progressive anterior operculum syndrome due to frontotemporal lobar degeneration**
Onder H., Erdener S. E., SAKA E.
NEUROLOGICAL SCIENCES, vol.39, no.2, pp.385-387, 2018 (SCI-Expanded)
- XXVI. **Capillary red blood cell velocimetry by phase-resolved optical coherence tomography**
Tang J., Erdener S. E., Fu B., Boas D. A.
OPTICS LETTERS, vol.42, no.19, pp.3976-3979, 2017 (SCI-Expanded)
- XXVII. **Reflex Seizures Triggered by Exposure to Characters With Numerical Value: A Case With Right Temporal Cortical Dysplasia**
ERDENER Ş. E., TEZER F. I., OGUZ K. K., KAMIŞLI Ö., ERGUN E., SOYLEMEZOĞLU F., SAYGI S.
CLINICAL EEG AND NEUROSCIENCE, vol.47, no.3, pp.220-223, 2016 (SCI-Expanded)
- XXVIII. **Brachial Diparesis due to Motor Neuronopathy as One of the Predominant Presenting Signs of Occult**

Small Cell Lung Carcinoma

ERDENER Ş. E., VURAL A., TEMUÇİN Ç. M., Ozdamar S. E., NURLU G., VARLI K., DERİCİOĞLU N.
INTERNAL MEDICINE, vol.55, no.12, pp.1641-1643, 2016 (SCI-Expanded)

- XXIX. **Rituximab in Turkish neuromyelitis optica patients with limited response to other immunosuppressants**
ERDENER Ş. E., KURNE A. T., DIKER S., KARABUDAK R.
JOURNAL OF THE NEUROLOGICAL SCIENCES, vol.359, pp.106-107, 2015 (SCI-Expanded)
- XXX. **Lacrimation as an Ictal Autonomic Event in a Patient With Seizures Originating From the Right Hemisphere**
ERDENER Ş. E., DERİCİOĞLU N., ERGUN E., SAYGI S.
CLINICAL EEG AND NEUROSCIENCE, vol.46, no.3, pp.243-246, 2015 (SCI-Expanded)
- XXXI. **Poloxamer-188 and citicoline provide neuronal membrane integrity and protect membrane stability in cortical spreading depression**
YILDIRIM T., EYLEN A., Lüle S., Erdener Ş. E., VURAL A., Karatas H., Ozveren M. F., DALKARA T., GURSOY-OZDEMİR Y.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.125, no.12, pp.941-946, 2015 (SCI-Expanded)
- XXXII. **Modelling headache and migraine and its pharmacological manipulation**
Erdener S. E., DALKARA T.
BRITISH JOURNAL OF PHARMACOLOGY, vol.171, no.20, pp.4575-4594, 2014 (SCI-Expanded)
- XXXIII. **REMISSION WITH FINGOLIMOD IN A CASE OF DEMYELINATING POLYNEUROPATHY**
ERDENER Ş. E., NURLU G., GÖÇMEN R., Erdem-Ozdamar S., KURNE A.
MUSCLE & NERVE, vol.50, no.4, pp.615-617, 2014 (SCI-Expanded)
- XXXIV. **Brain MRI evolution of metronidazole intoxication.**
Erdener S., KANSU T., ARSAVA E. M., DERİCİOĞLU N.
Neurology, vol.80, pp.1816-7, 2013 (SCI-Expanded)
- XXXV. **Spreading Depression Triggers Headache by Activating Neuronal Panx1 Channels**
KARATAS H., ERDENER Ş. E., GURSOY-OZDEMİR Y., Lüle S., EREN-KOCAK E., Sen Z. D., DALKARA T.
SCIENCE, vol.339, no.6123, pp.1092-1095, 2013 (SCI-Expanded)
- XXXVI. **Paradoxical Air Microembolism Induces Cerebral Bioelectrical Abnormalities and Occasionally Headache in Patent Foramen Ovale Patients With Migraine**
SEVGI E. B., ERDENER Ş. E., Demirci M., TOPÇUOĞLU M. A., DALKARA T.
JOURNAL OF THE AMERICAN HEART ASSOCIATION, vol.1, no.6, 2012 (SCI-Expanded)
- XXXVII. **Neuro-ophthalmology of subacute sclerosing panencephalitis: two cases and a review of the literature**
COLPAK A. I., ERDENER Ş. E., OZGEN B., ANLAR B., KANSU T.
CURRENT OPINION IN OPHTHALMOLOGY, vol.23, no.6, pp.466-471, 2012 (SCI-Expanded)
- XXXVIII. **Daytime polysomnography recording in LIG1 --related limbic encephalitis.**
Tezer F. I., Erdener E., Sel C. G., Mehdikanova L., SAYGI S., Topcuoglu M. A.
Archives of neurology, vol.69, no.1, 2012 (SCI-Expanded)
- XXXIX. **Thrombotic distal middle cerebral artery occlusion produced by topical FeCl 3 application: A novel model suitable for intravital microscopy and thrombolysis studies**
KARATAS H., ERDENER Ş. E., GURSOY-OZDEMİR Y., GURER G., SOYLEMEZOĞLU F., DUNN A. K., DALKARA T.
Journal of Cerebral Blood Flow and Metabolism, vol.31, no.6, pp.1452-1460, 2011 (SCI-Expanded)
- XL. **Lysosomal rupture, necroapoptotic interactions and potential crosstalk between cysteine proteases in neurons shortly after focal ischemia**
Kilinc M., Gursoy-Ozdemir Y., GURER G., ERDENER Ş. E., Erdemli E., Can A., DALKARA T.
NEUROBIOLOGY OF DISEASE, vol.40, no.1, pp.293-302, 2010 (SCI-Expanded)
- XLI. **What is behind smoking among pharmacy students: A quantitative and qualitative study from Turkey**
YEGENOĞLU S., ASLAN D., Erdener S., ACAR A., BİLİR N.
SUBSTANCE USE & MISUSE, vol.41, no.3, pp.405-414, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Chronic Imaging of Mouse Brain: From Optical Systems to Functional Ultrasound**
Kılıç K., Tang J., ERDENER Ş. E., Sunil S., Giblin J. T., Lee B. S., Postnov D. D., Chen A., Boas D. A.
Current Protocols in Neuroscience, vol.93, no.1, 2020 (Scopus)
- II. **Seeking predictors for paroxysmal atrial fibrillation in stroke with an online clinical database**
ERDENER Ş. E.
NORTHERN CLINICS OF ISTANBUL, 2019 (Peer-Reviewed Journal)
- III. **Distinguishing Acute Motor Axonal Neuropathy from Hypokalemia Induced Paralysis: Add 15 Minutes for an Exercise Test**
ERDENER Ş. E., YILDIZ F., ARSAVA E. Y., TEMUÇİN Ç. M.
TURKISH JOURNAL OF NEUROLOGY, vol.23, no.3, pp.127-129, 2017 (ESCI)
- IV. **Tumefactive Brain Demyelination Accompanying Multifocal Acquired Demyelinating Sensory and Motor Neuropathy**
ERDENER Ş. E., TEMUÇİN Ç. M., SOYLEMEZOĞLU F., GÖÇMEN R., KURNE A. T.
TURKISH JOURNAL OF NEUROLOGY, vol.21, no.3, pp.98-101, 2015 (ESCI)
- V. **Şaşırtıcı bir şekilde prezente olan bir subakut sklerozan panensefalit vakası**
evren e., TEZER FİLİK F. İ.
Olgularla Epilepsi, 2013 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Fizyopatoloji Temelinde Migren Tedavisi**
ERDENER Ş. E., DALKARA T.
in: BAŞAĞRISI TANI VE TEDAVİ GÜNCEL YAKLAŞIMLAR, , Editor, Türk Nöroloji Derneği, 2018
- II. **The Now and Tomorrow of Migraine Treatments**
ERDENER Ş. E., DALKARA T.
in: Frontiers in Clinical Drug Research - CNS and Neurological Disorders, , Editor, Bentham Science, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **Dinamik Kontrast MR Permeabilite Görüntülemenin Nöromyelitis Optika Spektrum Hastalarında Aquaporin Kanal Disfonksiyonunun Gösterilmesinde Yeri Olabilir mi**
Okar S., GÖÇMEN R., PARLAK Ş., ERDENER Ş. E., KARLI OĞUZ H. K., KARABUDAK R., TUNCER M. A.
55. Ulusal Nöroloji Kongresi, Turkey, 15 - 21 November 2019
- II. **Confocal reflectance microscopy for metal and lipid nanoparticle visualization in the brain**
ÇAKIR AKTAŞ C., ERDENER Ş. E., Teke B., PEHLİVAN S., Kaya Z., TAŞKIRAN SAĞ A., DALKARA T., MUT AŞKUN M.
Society for Neuroscience 2019, 19 - 23 October 2019
- III. **Chronic mouse imaging: From optical systems to functional ultrasound**
Kılıç K., Tang J., ERDENER Ş. E., Sunil S., Giblin J., Lee B., Postnov D. D., Chen A., Boas D. A.
Society for Neuroscience 2019, Chicago, United States Of America, 19 - 23 October 2019
- IV. **Auditory-visual speech perception in bipolar disorder: behavioural data and physiological predictions**
ERDENER V. D., ERDENER Ş. E., Yordamlı A.
AVSP 2019 (International Conference on Auditory-Visual Speech Processing), 10 - 11 August 2019
- V. **Ultrasound speckle decorrelation-based velocimetry of entire rodent brain for stroke study**
Tang J., ERDENER Ş. E., Kılıç K., Postnov D. D., Boas D. A.
BRAIN BRAIN PET 2010, 4 - 07 July 2019
- VI. **Dynamic capillary stalls in ischemic penumbra: persistent traffic jams become therapeutic**

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ERDENER Ş. E., Tang J., Kılıç K., Postnov D. D., Chen A., Giblin J., Sakadzic S., Schaffer C. B., Boas D. A.
BRAIN BRAIN PET 2019, 4 - 07 July 2019

VII. **Dynamic laser speckle imaging: beyond the contrast**

Postnov D. D., ERDENER Ş. E., Tang J., Boas D. A.
SPIE Photonics West, 2 - 07 February 2019

VIII. **İskemik penumbra mikrodolaşımın dinamik sorunları**

ERDENER Ş. E.
17. Ulusal Sinirbilim Kongresi, Turkey, 4 - 07 April 2019

IX. **Measurement of shear-induced diffusion of red blood cells using dynamic light scattering-optical coherence tomography**

Tang J., Erdener S. E., Li B., Fu B., Sakadzic S., Carp S. A., Lee J., Boas D. A.
Conference on Neural Imaging and Sensing, San-Francisco, Costa Rica, 29 - 30 January 2018, vol.10481

X. **Can MR Permeability and Contrast Enhanced (CE)-FLAIR demonstrate AQP4 Channel Dysfunction in NMO Patients?: Work in Progress**

OKAR S. V., GÖÇMEN R., TUNCER M. A., KARLI OĞUZ H. K., ERDENER Ş. E., KARABUDAK R.
MS Paris 2017 7th JointECTRIMS-ACRIMS Meeting, Paris, France, 25 - 28 October 2017

XI. **Can MR permeability and contrast enhanced (CE)-FLAIR demonstrate AQP4 channel dysfunction in NMO patients? Work in progress**

OKAR S. V., GÖÇMEN R., KARLI-OGUZ K., TUNCER M., Erdener S. E., KARABUDAK R.
7th Joint European-Committee-for-Treatment-and-Research-in-Multiple-Sclerosis (ECTRIMS)-Americas-Committee-for-Treatment-and-Research-in-Multiple-Sclerosis (ACRIMS), Paris, France, 25 - 28 October 2017, vol.23, pp.819-820

XII. **İskemi/reperfüzyon modelinde N-tertbutilafenilnitronun vasküler ve parenkimal kaynaklı oksijen radikali oluşumuna etkisi**

TAŞKIRAN SAĞ A., ÖZDEMİR Y., ERDENER Ş. E., YEMİŞÇİ ÖZKAN M., DALKARA T.
12. Ulusal Sinirbilim Kongresi, Turkey, 28 - 31 May 2014

XIII. **Rituximab experience in neuromyelitis optica: data from a single center in Turkey**

ERDENER Ş. E., DIKER S., KARABUDAK R., KURNE A. T.
Joint Congress of European Neurology, İstanbul, Turkey, 31 May - 03 June 2014, vol.21, pp.454

Supported Projects

ERDENER Ş. E., Solgun B., DEMİR B. N., KARATAŞ KURŞUN H., Project Supported by Higher Education Institutions, Migren aurasına yatkınlığın ve aura sonrası nosiseptif süreçlerin dinlenme hali fonksiyonel konnektivitesi ile değerlendirilmesi, 2023 - Continues

DALKARA T., ERDENER Ş. E., SEVER BAHÇEKAPILI M., DEMİR B. N., Project Supported by Higher Education Institutions, Serebrovaskülerimmün sistem ara yüzüne bir bakış Hipertansiyonu kognitif bozukluğa dönüştürebilecek immünolojik işaretler (220N253 nolu TÜBİTAK Uluslararası ERACVD projesine ek bütçe desteği), 2022 - Continues

DALKARA T., ERDENER Ş. E., SEVER BAHÇEKAPILI M., DEMİR B. N., TUBİTAK Project, Serebrovasküler-İmmün Sistem Ara Yüzüne Bir Bakış: Hipertansiyonu Kognitif Bozukluğa Dönüştürebilecek İmmünolojik İşaretler, 2021 - 2024

DALKARA T., ERDENER Ş. E., Universities of Other Countries Supported Project, Ailevi yatkınlığı olan migren vakalarında genetik yapının araştırılması, 2010 - 2024

EREN KOÇAK E., Solakoğlu S. T., ERDENER Ş. E., Project Supported by Higher Education Institutions, Medyal Prefrontal Kortekste Sinaptik Bağlantı Reorganizasyonu Strese Duyarlılığın Bir Belirleyicisi Olabilir mi?, 2020 - 2023

DALKARA T., ERDENER Ş. E., BELDER N., TUBİTAK Project, Merkezi Sinir Sistemi Perisitlerinde ?-Sma ve Myh11 için RNA in situ Hibridizasyon Tekniğinin Uygulanması, 2020 - 2021

ERDENER Ş. E., BOAS D. A., Project Supported by Higher Education Institutions, Kurtarılabılır iskemik penumbra uzaysal-zamansal mikrooksijenizasyon profilinin ve lökosit akım disfonksiyonunun ilişkileri, 2019 - 2020

DALKARA T., EREN KOÇAK E., YEMİŞÇİ ÖZKAN M., KARATAŞ KURŞUN H., TAŞKIRAN SAĞ A., ERDENER Ş. E., KAYA Z.,

Project Supported by Higher Education Institutions, İskemi/Reperfüzyon ve beyine hedeflendirilmiş ilaç taşıma sistemlerinin uygulanması sırasında serebral mikrosirkülasyon düzeyindeki değişikliklerin multi foton konfokal mikroskopisi ile intravital incelenmesi, 2017 - 2020

Scientific Research / Working Group Memberships

Translasyonel Nörobilim Çalışma Grubu, Türk Nöroloji Derneği, Türkiye, 2019 - Continues

Metrics

Publication: 61

Citation (WoS): 1078

Citation (Scopus): 590

H-Index (WoS): 18

H-Index (Scopus): 15

Awards

Erdener Ş. E., Teşvik Ödülü, Hacettepe Üniversitesi, September 2019

ERDENER Ş. E., BAGEP Genç Araştırmacı Ödülü, BAGEP, April 2019

Non Academic Experience

Boston University

Boston University Department of Biomedical Engineering

Massachusetts General Hospital / Harvard Medical School

Other Public Institution, Artvin Devlet Hastanesi