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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: X-6441-2018

Yoksis Araştırmacı ID: 179796

Eğitim Bilgileri

1985 - 1987	Doktora, Boston University, Biyomedikal Mühendisliği, Amerika Birleşik Devletleri
1985 - 1987	Yüksek Lisans, Boğaziçi Üniversitesi, Biyomedikal Mühendisliği Enstitüsü, Biyomedikal Elektronik Anabilim Dalı, Türkiye
1981 - 1985	Lisans, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye

Araştırma Alanları

Mikrobiyoloji, Biyoenformatik, Yapay Zeka, Bilgisayarda Öğrenme ve Örütü Tanıma, Biyoinformatic

Verdiği Dersler

2016 - 2017, 2015 - 2016	İleri Biyoenformatik, Doktora
2016 - 2017	Biyoistatistik, Yüksek Lisans
2016 - 2017, 2015 - 2016	Hesaplamalı Biyoloji, Yüksek Lisans
2016 - 2017, 2015 - 2016	İleri Hesaplamalı Biyoloji, Doktora
2016 - 2017	Medikal Enformatik ve Biyoistatistik, Lisans
2016 - 2017	İşlemsel Omik veri Analizi, Lisans
2016 - 2017	İleri Biyoistatistik 2, Doktora
2016 - 2017	İleri Biyoistatistik, Doktora
2016 - 2017, 2015 - 2016	Biyoenformatik, Yüksek Lisans
2015 - 2016	Medikal Enformatik, Lisans

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. Longitudinal non-targeted metabolomic profiling of urine samples for monitoring of kidney transplantation patients
Yozgat I., Cakir Ü., Serdar M. A., Sahin S., Sezerman O. U., Nemuthu E., Baykal A. T., Serteser M.
RENAL FAILURE, cilt.46, sa.1, 2024 (SCI-Expanded)
- II. Identification of Molecular and Genetic Resistance Mechanisms in a *Candida auris* Isolate in a Tertiary Care Center in Turkey
ERTÜRK ŞENGEL B., Ekren B. Y., SAYIN E., Cerikcioglu N., SEZERMAN O. U., ODABAŞI Z.

- MYCOPATHOLOGIA, cilt.188, ss.929-936, 2023 (SCI-Expanded)
- III. **Effect of the switch status of Helicobacter pylori outer inflammatory protein A on gastric diseases**
ÖKTEM OKULLU S., Karaman T., Akcelik-Deveci S., TİMÜÇİN E., SEZERMAN O. U., Mansur-Ozen N., Buyukcolak Y., TIFTIKCI A.
AMB EXPRESS, cilt.13, sa.1, 2023 (SCI-Expanded)
- IV. **Phenotype screens of murine pancreatic cancer identify a Tgf- α -Ccl2-paxillin axis driving human-like neural invasion**
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JOURNAL OF CLINICAL INVESTIGATION, cilt.133, sa.21, 2023 (SCI-Expanded)
- V. **Nosocomial infection of $C. auris$ in COVID-19 Intensive Care Unit in Turkiye and Phylogenetic Analysis of Isolates**
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MYCOPATHOLOGIA, cilt.188, ss.765-773, 2023 (SCI-Expanded)
- VI. **Microbiota Changes in Hodgkin and Non-Hodgkin Lymphoma Treatment: Assessment With IL-17 and IL-12 Levels**
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CLINICAL LYMPHOMA MYELOMA & LEUKEMIA, 2023 (SCI-Expanded)
- VII. **Metabolic pathways of potential miRNA biomarkers derived from liquid biopsy in epithelial ovarian cancer**
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ONCOLOGY LETTERS, cilt.25, sa.4, 2023 (SCI-Expanded)
- VIII. **Corneal bacterial microbiome in patients with keratoconus using next-generation sequencing-based 16S rRNA gene analysis**
Tunc U., ÇELEBİ A. R. C., Ekren B. Y., Yıldırım Y., Yıldız B. K., ÖKTEM OKULLU S., SEZERMAN O. U.
EXPERIMENTAL EYE RESEARCH, cilt.228, 2023 (SCI-Expanded)
- IX. **Metabolomic Analyses to Identify Candidate Biomarkers of Cystinosis**
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- X. **Effects of Ramadan intermittent fasting on gut microbiome: is the diet key?**
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FRONTIERS IN MICROBIOLOGY, cilt.14, 2023 (SCI-Expanded)
- XI. **Gene pathway analysis of the endometrium at the start of the window of implantation in women with unexplained infertility and unexplained recurrent pregnancy loss: is unexplained recurrent pregnancy loss a subset of unexplained infertility?**
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Human Fertility, cilt.26, sa.5, ss.1129-1141, 2023 (SCI-Expanded)
- XII. **PANACEA: network-based methods for pharmacotherapy prioritization in personalized oncology**
Ulgen E., Ozisik O., SEZERMAN O. U.
BIOINFORMATICS, sa.1, 2023 (SCI-Expanded)
- XIII. **Brave new surfactant world revisited by thermoalkophilic lipases: computational insights into the role of SDS as a substrate analog**
Shehata M., Unlu A., Iglesias-Fernandez J., Osuna S., SEZERMAN O. U., TİMÜÇİN E.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, cilt.25, sa.3, ss.2234-2247, 2022 (SCI-Expanded)
- XIV. **Is cutaneous microbiota a player in disease pathogenesis? Comparison of cutaneous microbiota in psoriasis and seborrheic dermatitis with scalp involvement**
Kayiran M. A., Sahin E., Kocoglu E., SEZERMAN O. U., Gurel M. S., Karadag A. S.

- INDIAN JOURNAL OF DERMATOLOGY VENEREOLOGY & LEPROLOGY, cilt.88, sa.6, ss.738-748, 2022 (SCI-Expanded)
- XV. NOVEL SYNDROME: CRANIOFACIAL AND CENTRAL NERVOUS SYSTEM MALFORMATIONS, AND ATYPICAL HEMOLYTIC UREMIC SYNDROME ASSOCIATED WITH TSEN2 MUTATION
Canpolat N., Liu D., Atayar E., SAYGILI S. K., Kara N. S., Westfall T. A., Ding Q., Brown B. J., Braun T. A., Slusarski D., et al.
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- XVI. CANDIDATE BIOMARKER(S) FOR CYSTINOSIS WITH OMIC-BASED TECHNOLOGY: FROM LABORATORY TO BED-SIDE
NEMUTLU E., EYLEM C. C., GÜLHAN B., BAYSAL İ., Yabanoglu-Ciftci S., Kir S., ULUBAYRAM K., UÇAR G., SEZERMAN O. U., ÖZALTIN F., et al.
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- XVII. Colibactin possessing *< i>E</i>. < i>coli</i>* isolates in association with colorectal cancer and their genetic diversity among Pakistani population
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- XVIII. Investigating the role of common and rare variants in multiplex multiple sclerosis families reveals an increased burden of common risk variation
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SCIENTIFIC REPORTS, cilt.12, sa.1, 2022 (SCI-Expanded)
- XIX. A recursive molecular docking coupled with energy-based pose-rescoring and MD simulations to identify hsGC beta H-NOX allosteric modulators for cardiovascular dysfunctions
Khalid R. R., Maryam A., Cinaroglu S. S., Siddiqi A. R., SEZERMAN O. U.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.40, sa.13, ss.6128-6150, 2022 (SCI-Expanded)
- XX. Understanding the Role of the Microbiome in Cancer Diagnostics and Therapeutics by Creating and Utilizing ML Models
Cekikj M., Jakimovska Özdemir M., Kalajdziski S., Özcan O., SEZERMAN O. U.
Applied Sciences (Switzerland), cilt.12, sa.9, 2022 (SCI-Expanded)
- XXI. Computational analysis of missense filamin-A variants, including the novel p.Arg484Gln variant of two brothers with periventricular nodular heterotopia
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- XXII. Structural analysis of M1AP variants associated with severely impaired spermatogenesis causing male infertility
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PeerJ, 2022 (SCI-Expanded)
- XXIII. A splice site mutation in the TSEN2 causes a new syndrome with craniofacial and central nervous system malformations, and atypical hemolytic uremic syndrome
CANPOLAT N., Liu D., Atayar E., SAYGILI S. K., Kara N. S., Westfall T. A., Ding Q., Brown B. J., Braun T. A., Slusarski D., et al.
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- XXIV. Identifying and elucidating the roles of Y198N and Y204F mutations in the PAH enzyme through molecular dynamic simulations.
Aslan T., Yenenler-Kutlu A., Gerlevik U., Aktuglu Zeybek A. Ç., Kiykim E., Sezerman O. U., Birgül İyison N.
Journal of biomolecular structure & dynamics, cilt.40, sa.19, ss.9018-9029, 2022 (SCI-Expanded)
- XXV. RDDSVM: accurate prediction of A-to-I RNA editing sites from sequence using support vector machines
Tac H. A., Koroglu M., SEZERMAN O. U.
FUNCTIONAL & INTEGRATIVE GENOMICS, cilt.21, sa.5-6, ss.633-643, 2021 (SCI-Expanded)
- XXVI. Molecular modelling of the FOXO4-TP53 interaction to design senolytic peptides for the elimination

of senescent cancer cells.

Le H. H., Cinaroglu S. S., Manalo E. C., Ors A., Gomes M. M., Duan Sahbaz B., Bonic K., Origel Marmolejo C. A., Quentel A., Plaut J. S., et al.

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XXVII. A framework for validating AI in precision medicine: considerations from the European ITFoC consortium

Tsopra R., Fernandez X., Luchinat C., Alberghina L., Lehrach H., Vanoni M., Dreher F., SEZERMAN O. U., Cuggia M., de Tayrac M., et al.

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XXVIII. Investigation of multiple sclerosis-related pathways through the integration of genomic and proteomic data

Everest E., Ulgen E., UYGUNOĞLU U., TÜTÜNCÜ M., SAİP S., SEZERMAN O. U., SİVA A., TAHİR TURANLI E. PEERJ, cilt.9, 2021 (SCI-Expanded)

XXIX. Bridging the Bridging Imidazole in the Bimetallic Center of the Cu/Zn SOD1 and ALS TİMÜÇİN A. C., Cinaroglu S. S., SEZERMAN O. U., TİMÜÇİN E.

FRONTIERS IN CHEMISTRY, cilt.9, 2021 (SCI-Expanded)

XXX. Microbiota analysis in allogeneic stem cell transplant patients with in AML and MDS

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XXXI. Re-analysis of whole-exome sequencing data reveals a novel splicing variant in the SLC2A1 in a patient with GLUT1 Deficiency Syndrome 1 accompanied by hemangioma: a case report

Bozkurt T., ALANAY Y., ISIK U., SEZERMAN O. U.

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XXXII. A global metagenomic map of urban microbiomes and antimicrobial resistance

Danko D., Bezdan D., Afshin E. E., Ahsanuddin S., Bhattacharya C., Butler D. J., Chng K. R., Donnellan D., Hecht J., Jackson K., et al.

CELL, cilt.184, sa.13, ss.3376-3410, 2021 (SCI-Expanded)

XXXIII. Endometrial gene expression profiling of recurrent implantation failure after in vitro fertilization

Albayrak I. G., Azhari F., Colak E. N., Balci B. K., Ulgen E., SEZERMAN O. U., Bastu E., Gunel T. MOLECULAR BIOLOGY REPORTS, cilt.48, sa.6, ss.5075-5082, 2021 (SCI-Expanded)

XXXIV. driveR: a novel method for prioritizing cancer driver genes using somatic genomics data

Ulgen E., SEZERMAN O. U.

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XXXV. Base-excess chloride; the best approach to evaluate the effect of chloride on the acid-base status: A retrospective study.

Gucyetmez B., Tuzuner F., Atalan H. K., Sezerman U., Gucyetmez K., Telci L.

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XXXVI. The importance of dysregulated miRNAs on ovarian cysts and epithelial ovarian cancer

Gumusoglu E., Gunel T., Hosseini M. K., Seymen N., Senol T., SEZERMAN O. U., Topuz S., Aydinli K. EUROPEAN JOURNAL OF GYNAECOLOGICAL ONCOLOGY, cilt.42, sa.1, ss.66-72, 2021 (SCI-Expanded)

XXXVII. Sequential filtering for clinically relevant variants as a method for clinical interpretation of whole exome sequencing findings in glioma

Ülgen E., Can Ö., Bilguvar K., Akyerli Boylu C., Kılıçturgay Yüksel Ş., Erşen Danyeli A., Sezerman O. U., Yakıcıer M. C., Pamir M. N., Özduman K.

BMC MEDICAL GENOMICS, cilt.14, sa.1, 2021 (SCI-Expanded)

XXXVIII. CogNet: classification of gene expression data based on ranked active-subnetwork- oriented KEGG pathway enrichment analysis

Yousef M., Ulgen E., SEZERMAN O. U.

PEERJ COMPUTER SCIENCE, cilt.7, ss.1-20, 2021 (SCI-Expanded)

XXXIX. A comprehensive study on identifying the structural and functional SNPs of human neuronal membrane glycoprotein M6A (GPM6A)

- Khalid Z., SEZERMAN O. U.
 JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.39, sa.8, ss.2693-2701, 2021 (SCI-Expanded)
- XL. Mutations and Copy Number Alterations in IDH Wild-Type Glioblastomas Are Shaped by Different Oncogenic Mechanisms**
 Ulgen E., Karacan S., Gerlevik U., CAN Ö., Bilguvar K., OKTAY Y., B. Akyerli C., K. Yuksel S., ERŞEN DANYELİ A., Tihan T., et al.
 BIOMEDICINES, cilt.8, sa.12, 2020 (SCI-Expanded)
- XLI. Lipase and Water in a Deep Eutectic Solvent: Molecular Dynamics and Experimental Studies of the Effects of Water-In-Deep Eutectic Solvents on Lipase Stability.**
 Shehata M., Unlu A., Sezerman U., Timucin E.
 The journal of physical chemistry. B, cilt.124, ss.8801-8810, 2020 (SCI-Expanded)
- XLII. Intraoperative Neuromonitoring of Blink Reflex During Posterior Fossa Surgeries and its Correlation With Clinical Outcome.**
 Aydinlar E., Kocak M., Soykam H., Mat B., Dikmen P., Sezerman O., Elmacı I., Pamir M.
 Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society, sa.0, 2020 (SCI-Expanded)
- XLIII. Analysis of Correlation between the Seven Important Helicobacter pylori (H. pylori) Virulence Factors and Drug Resistance in Patients with Gastritis**
 ÖKTEM OKULLU S., Cekic-Kipritci Z., Kilic E., Seymen N., Mansur-Ozen N., SEZERMAN O. U., GÜROL Y.
 GASTROENTEROLOGY RESEARCH AND PRACTICE, cilt.2020, 2020 (SCI-Expanded)
- XLIV. Progesterone at high doses reduces the growth of U87 and A172 glioblastoma cells: Proteomic changes regarding metabolism and immunity**
 Altinoz M., Ucal Y., Yilmaz M., Kiris İ., Ozisik O., Sezerman U., Ozpinar A., Elmacı I.
 CANCER MEDICINE, cilt.9, sa.16, ss.5767-5780, 2020 (SCI-Expanded)
- XLV. Response Assessment With Molecular Characterization of Circulating Tumor Cells and Plasma MicroRNA Profiling in Patients With Locally Advanced Breast Cancer During Neoadjuvant Chemotherapy**
 AKKİPRİK M., Koca S., UĞURLU M. Ü., Ekren R., PEKER EYÜBOĞLU İ., Alan O., ERZİK C., GÜLLÜ AMURAN G., Telli T. A., GÜLLÜOĞLU M. B., et al.
 CLINICAL BREAST CANCER, cilt.20, sa.4, ss.332-346, 2020 (SCI-Expanded)
- XLVI. High-throughput profiling reveals perturbation of endoplasmic reticulum stress-related genes in atherosclerosis induced by high-cholesterol diet and the protective role of vitamin E**
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 BIOFACTORS, cilt.46, sa.4, ss.653-664, 2020 (SCI-Expanded)
- XLVII. Probing the Structural Dynamics of the Catalytic Domain of Human Soluble Guanylate Cyclase.**
 Khalid R., Maryam A., Sezerman O. U., Mylonas E., Siddiqi A., Kokkinidis M.
 Scientific reports, cilt.10, ss.9488, 2020 (SCI-Expanded)
- XLVIII. Cartography of opportunistic pathogens and antibiotic resistance genes in a tertiary hospital environment**
 Chng K. R., Li C., Bertrand D., Ng A. H. Q., Kwah J. S., Low H. M., Tong C., Natrajan M., Zhang M. H., Xu L., et al.
 NATURE MEDICINE, cilt.26, sa.6, ss.941-954, 2020 (SCI-Expanded)
- XLIX. Understanding thermal and organic solvent stability of thermoalkalophilic lipases: insights from computational predictions and experiments.**
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- L. Whole exome sequencing-based analysis to identify DNA damage repair deficiency as a major contributor to gliomagenesis in adult diffuse gliomas**
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 JOURNAL OF NEUROSURGERY, cilt.132, sa.5, ss.1435-1446, 2020 (SCI-Expanded)
- LI. HriGFP Novel Fluorescent Protein: Expression and Applications**

- Saeed S., Mehreen H., Gerlevik U., Tariq A., Manzoor S., Noreen Z., Sezerman U., Bokhari H.
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- LII. **A harmonized meta-knowledgebase of clinical interpretations of somatic genomic variants in cancer.**
Wagner A. H., Walsh B., Mayfield G., Tamborero D., Sonkin D., Krysiak K., Deu-Pons J., Duren R. P., Gao J., McMurry J., et al.
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- LIII. **Comparison of endometrial prostanoid profiles in three infertile subgroups: the missing part of receptivity?**
Keles I. D., Ulgen E., Erkan M. B., ÇELİK S. E., AYDIN Y., ÖNEM A. N., Kandemir H., Arslanoglu T., APAK M. R., SEZERMAN O. U., et al.
FERTILITY AND STERILITY, cilt.113, sa.3, ss.670-679, 2020 (SCI-Expanded)
- LIV. **Adaptive phenotypic modulations lead to therapy resistance in chronic myeloid leukemia cells**
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PLOS ONE, cilt.15, sa.2, 2020 (SCI-Expanded)
- LV. **SARS-CoV-2 isolation and propagation from Turkish COVID-19 patients**
TaŞtan C., Yurtsever B., Sir K., Dilek K., Demir S., Abanuz S., Seyi̇s U., Yıldırım M., Kuzay R., Elībol Ö., et al.
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- LVI. **Investigation of base excision repair gene variants in late-onset Alzheimer's disease.**
Ertuzun T., Semerci A., Cakir M. E., Ekmekçioğlu A., Gok M. O., Soltys D. T., De Souza-Pinto N. C., Sezerman U., Müftüoğlu M.
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- LVII. **Potential Marker Pathways in the Endometrium That May Cause Recurrent Implantation Failure**
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REPRODUCTIVE SCIENCES, cilt.26, sa.7, ss.879-890, 2019 (SCI-Expanded)
- LVIII. **Comparison of Dendritic Cell Activation by Virus-Based Vaccine Delivery Vectors Emphasizes the Transcriptional Downregulation of the Oxidative Phosphorylation Pathway.**
Tsitoura E., Kazazi D., Oz-Arslan D., Sever E., Khalili S., Vassilaki N., Aslanoglou E., Derian N., Six A., SEZERMAN O. U., et al.
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- LIX. **Identification of epilepsy related pathways using genome-wide DNA methylation measures: A trio-based approach**
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- LX. **Enhancing Enzymatic Properties of Endoglucanase I Enzyme from Trichoderma Reesei via Swapping from Cellobiohydrolase I Enzyme**
Yenenler A., Kurt H., SEZERMAN O. U.
CATALYSTS, cilt.9, sa.2, 2019 (SCI-Expanded)
- LXI. **A possible founder mutation in FZD6 gene in a Turkish family with autosomal recessive nail dysplasia.**
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BMC medical genetics, cilt.20, ss.15, 2019 (SCI-Expanded)
- LXII. **First Report and In Silico Analysis of Leishmania virus (LRV2) identified in an autochthonous Leishmania major isolate in Turkey.**
Kurt Ö., Mansur N., Çavuş İ., Özcan O., Batır M., Gündüz C., Sezerman O. U., Özbilgin A.
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- LXIII. **Computational drug repurposing to predict approved and novel drug-disease associations.**
Khalid Z., Sezerman O. U.
Journal of molecular graphics & modelling, cilt.85, ss.91-96, 2018 (SCI-Expanded)
- LXIV. **Investigating the structural properties of the active conformation BTL2 of a lipase from Geobacillus thermocatenulatus in toluene using molecular dynamic simulations and engineering BTL2 via in-silico mutation**

- Yenenler A., Venturini A., Burduroglu H. C., SEZERMAN O. U.
JOURNAL OF MOLECULAR MODELING, cilt.24, sa.9, 2018 (SCI-Expanded)
- LXV. **Ameliorative potential of Lavandula stoechas in metabolic syndrome via multitarget interactions**
Kulabas S. S., Ipek H., Tufekci A. R., Arslan S., Demirtas I., Ekren R., Sezerman U., TÜMER T.
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- LXVI. **Prediction of HIV Drug Resistance by Combining Sequence and Structural Properties.**
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IEEE/ACM transactions on computational biology and bioinformatics, cilt.15, sa.3, ss.966-973, 2018 (SCI-Expanded)
- LXVII. **Enhancing Reuse of Data and Biological Material in Medical Research: From FAIR to FAIR-Health.**
Holub P., Kohlmayer F., Prasser F., Mayrhofer M. T., Schluender I., Martin G. M., Casati S., Koumakis L., Wutte A., Kozera L., et al.
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- LXVIII. **Thermostability of the PYL-PP2C Heterodimer Is Dependent on Magnesium: In Silico Insights into the Link between Heat Stress Response and Magnesium Deficiency in Plants.**
Timucin E., Sezerman O. U.
Journal of chemical information and modeling, cilt.58, ss.661-672, 2018 (SCI-Expanded)
- LXIX. **ZK DrugResist 2.0: A TextMiner to extract semantic relations of drug resistance from PubMed.**
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Journal of biomedical informatics, cilt.69, ss.93-98, 2017 (SCI-Expanded)
- LXX. **Integrated Genomic and Proteomic Analyses of Multiple Sclerosis**
Everest E., Uygunoglu U., Tutuncu M., SAİP S., SEZERMAN O. U., Siva A., Turanli E.
NEUROLOGY, cilt.88, 2017 (SCI-Expanded)
- LXXI. **Computational approaches for de novo design and redesign of metal-binding sites on proteins.**
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