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Öğrenim Bilgisi

Yüksek Lisans 2023 - 2025	HACETTEPE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ/ KBRN TEHDİTLERİ VE YÖNETİMİ (YL) (TEZSİZ)
Doktora 2017 - 2022	ANKARA ÜNİVERSİTESİ SAĞLIK BİLİMLERİ ENSTİTÜSÜ/ ANALİTİK KİMYA (DR) Tez Adı : Endokrin bozucu bazı kimyasalların seçici ve hassas sensörlerle tayini (2022) Tez Danışmanı : (Sibel Aysıl Özkan)
Lisans 2013 - 2016	ANADOLU ÜNİVERSİTESİ İŞLETME FAKÜLTESİ/ İŞLETME BÖLÜMÜ/ İŞLETME PR. (AÇIKÖĞRETİM)
Lisans 2012 - 2017	ANKARA ÜNİVERSİTESİ ECZACILIK FAKÜLTESİ/ ECZACILIK PR.

Görevler

DOKTOR ÖĞRETİM ÜYESİ 2022	SAĞLIK BİLİMLERİ ÜNİVERSİTESİ / GÜLHANE ECZACILIK FAKÜLTESİ / TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ / ANALİTİK KİMYA ANABİLİM DALI
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Ödüller

- En Fazla Atıf Yapılan Öğretim Üyesi , SAĞLIK BİLİMLERİ ÜNİVERSİTESİ , 2023
- En Genç Araştırmacı , SAĞLIK BİLİMLERİ ÜNİVERSİTESİ , 2022

Dersler *

2024-2025

Lisans

FARMASÖTİK GENEL KİMYA-2	Türkçe	3
FARMASÖTİK GENEL KİMYA-1	Türkçe	3
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Yüksek Lisans

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ENSTRÜMENTAL ANALİZ II PRATİK	Türkçe	5

2023-2024

Lisans

FARMASÖTİK ANALİTİK KİMYA LABORATUVARI-2	Türkçe	4
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2022-2023

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İLAÇ SANAYİİNDE ANALİZLER	Türkçe	2

2021-2022

Lisans

FARMASÖTİK ANALİTİK KİMYA LABORATUVARI-2	Türkçe	4
FARMASÖTİK ANALİTİK KİMYA LABORATUVARI-1	Türkçe	4

Eserler

Uluslararası hakemli dergilerde yayımlanan makaleler:

1. SAMANCI ŞEYDA NUR,KAYA SARIYE İREM,ÜNAL MEHMET ALTAY,ÖZKAN SİBEL AYŞIL (2025). Eco-friendly nanoscale recognition: a MIP-based electrochemical sensor for selective determination of abacavir in pharmaceutical and serum samples. Analytical and Bioanalytical Chemistry Doi: 10.1007/s00216-025-06261-9 (Yayın No : 9939233)
2. Budak Fatma,Çetinkaya Ahmet,KAYA SARIYE İREM,BELLUR ATICI ESEN,ÖZKAN SİBEL AYŞIL (2025). Development of a sensitive and simple method for the analysis of upadacitinib in biological samples using two different electrodes. Ionics, 31(), Doi: 10.1007/s11581-024-05921-7 (Yayın No : 9496837)
3. Alahmad Waleed,Budak Fatma,KAYA SARIYE İREM,Çetinkaya Ahmet,BELLUR ATICI ESEN,ÖZKAN SİBEL AYŞIL (2025). Design of the MIP-based electrochemical sensing strategy for highly sensitive and selective determination of selezipag. Microchemical Journal, 211(), Doi: 10.1016/j.microc.2025.113094 (Yayın No : 9939208)
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5. KUL AYKUT,Budak Fatma,Çetinkaya Ahmet,KAYA SARIYE İREM,AL AYŞE SELEN,SAĞIRLI AHMET OLCAY,ÖZKAN SİBEL AYŞIL (2025). Fabrication of a molecularly imprinted polymer-based electrochemical sensor for the selective assay of antipsychotic drug clozapine and performance comparison with LC-MS/MS. Talanta, 281(), Doi: 10.1016/j.talanta.2024.126810 (Yayın No : 9496833)
6. Jadon Nimisha,Çetinkaya Ahmet,ÖZÇELİKAY AKYILDIZ GÖKSU,KAYA SARIYE İREM,BELLUR ATICI ESEN,UZUN LOKMAN,ÖZKAN SİBEL AYŞIL (2024). Development of a green-synthesized molecularly imprinted polymer-based electrochemical nanosensor for the determination of N-nitrosodimethylamine (NDMA) in serum and tap water. Microchimica Acta, 191(), Doi: 10.1007/s00604-024-06850-y (Yayın No : 9292825)
7. Hosseinzadeh Batoul,Jadon Nimisha,ÖZÇELİKAY AKYILDIZ GÖKSU,KAYA SARIYE İREM,Çetinkaya Ahmet,BELLUR ATICI ESEN,ÖZKAN SİBEL AYŞIL (2024). Investigation of electrochemical behaviour and determination of Riociguat with bare GCE and molecularly imprinted polymer-based electrochemical sensor. Electrochimica Acta, 503(), Doi: 10.1016/j.electacta.2024.144823 (Yayın No : 9079599)

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- 8 . KARADAŞ BAKIRHAN NURGÜL, Brahimi Mohamed, GÜNDÜZ MİYASE GÖZDE, KAYA SARIYE İREM, SEZİGEN SERMET, ÖZKAN SİBEL AYŞIL (2024). Experimental and computational perspectives on the interaction of nerve agent VX metabolite ethyl methylphosphonic acid with human serum albumin. *Microchemical Journal*, 205(), Doi: 10.1016/j.microc.2024.111406 (Yayın No : 9292977)
- 9 . Hosseinzadeh Batoul, KAYA SARIYE İREM, Çetinkaya Ahmet, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2024). Development of a molecularly imprinted polymer-based electrochemical sensor with metal-organic frameworks for monitoring the antineoplastic drug vismodegib. *Talanta*, 278(), Doi: 10.1016/j.talanta.2024.126510 (Yayın No : 9079600)
- 10 . Cheraghi Somaye, Çetinkaya Ahmet, KAYA SARIYE İREM, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2024). Sensitive and selective electrochemical sensor for palbociclib, a highly selective CDK4/6 inhibitor, based on molecularly imprinted polymer. *Microchemical Journal*, 201(), Doi: 10.1016/j.microc.2024.110689 (Yayın No : 9079611)
- 11 . HÜRKÜL MUHAMMED MESUD, Çetinkaya Ahmet, YAYLA ŞEYDA, KAYA SARIYE İREM, Budak Fatma, TOK KENAN CAN, GÜMÜŞTAŞ MEHMET, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2024). Highly selective and sensitive molecularly imprinted sensors for the electrochemical assay of quercetin in methanol extracts of *Rubus sanctus* and *Fragaria vesca*. *Talanta*, 273(), Doi: 10.1016/j.talanta.2024.125883 (Yayın No : 9079614)
- 12 . Çetinkaya Ahmet, YUSUFBEYOĞLU SADI, KAYA SARIYE İREM, BALDEMİR KILIÇ AYŞE, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2024). Plant-based zinc nanoflowers assisted molecularly imprinted polymer for the design of an electrochemical sensor for selective determination of abrocitinib. *Microchimica Acta*, 191(), Doi: 10.1007/s00604-024-06404-2 (Yayın No : 9079606)
- 13 . SAMANCI ŞEYDA NUR, Çetinkaya Ahmet, Doufene Nassim, Bounoua Nadia, KAYA SARIYE İREM, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2024). Electrochemical Determination of Anti-Cancer Drug Pazopanib with High Selectivity and Sensitivity Using Molecularly Imprinted Polymer-Modified Glassy Carbon Electrode. *Journal of The Electrochemical Society*, 171(), Doi: 10.1149/1945-7111/ad2cba (Yayın No : 9079626)
- 14 . Al Faysal Abdullah, Çetinkaya Ahmet, KAYA SARIYE İREM, ERDOĞAN TANER, ÖZKAN SİBEL AYŞIL, GÖLCÜ AYŞEGÜL (2024). Development and Fabrication of a Molecularly Imprinted Polymer-Based Electroanalytical Sensor for the Determination of Acyclovir. *ACS Omega*, 9(), Doi: 10.1021/acsomega.3c09399 (Yayın No : 9079629)
- 15 . SEZİGEN SERMET, KAYA SARIYE İREM, KARADAŞ BAKIRHAN NURGÜL, ÖZKAN SİBEL AYŞIL (2024). Development of a molecularly imprinted polymer-based electrochemical sensor for the selective detection of nerve agent VX metabolite ethyl methylphosphonic acid in human plasma and urine samples. *Analytical and Bioanalytical Chemistry*, 416(), Doi: 10.1007/s00216-024-05155-6 (Yayın No : 9079627)
- 16 . HÜRKÜL MUHAMMED MESUD, YAYLA ŞEYDA, Çetinkaya Ahmet, KAYA SARIYE İREM, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2024). A novel electrochemical sensor based on a molecularly imprinted polymer for highly selective and sensitive determination of rutin from herbal supplements and plant extracts. *Analytical Methods*, 16(), Doi: 10.1039/d3ay02318d (Yayın No : 9079636)
- 17 . Budak Fatma, Çetinkaya Ahmet, KAYA SARIYE İREM, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2023). Investigations on the electrochemical behavior of sunitinib and metabolites N-desethyl-sunitinib and sunitinib-N-oxide and its selective determination using molecularly imprinted polymer-based sensor. *Electrochimica Acta*, 472(), Doi: 10.1016/j.electacta.2023.143434 (Yayın No : 8742897)
- 18 . Çetinkaya Ahmet, KAYA SARIYE İREM, Alahmad Waleed, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2023). Designing an electrochemical sensor based on ZnO nanoparticle-supported molecularly imprinted polymer for ultra-sensitive and selective detection of sorafenib. *Analytica Chimica Acta*, 1280(), Doi: 10.1016/j.aca.2023.341866 (Yayın No : 8742920)
- 19 . Alahmad Waleed, Çetinkaya Ahmet, KAYA SARIYE İREM, Varanusupakul Pakorn, ÖZKAN SİBEL AYŞIL (2023). Evaluation of electrochemical behavior combined with the sensitive and selective determination of ceftriaxone using molecularly imprinted polymer-based sensor. *Microchemical Journal*, 193(), Doi: 10.1016/j.microc.2023.109167 (Yayın No : 8520058)
- 20 . KAYA SARIYE İREM, KARADAŞ BAKIRHAN NURGÜL, ÇORMAN MEHMET EMİN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2023). Comparative MIP sensor technique: photopolymerization or thermal polymerization for the sensitive determination of anticancer drug Regorafenib in different matrixes. *Microchimica Acta*, 190(), Doi: 10.1007/s00604-023-05963-0 (Yayın No : 8520017)
- 21 . KAYA SARIYE İREM, Majidian Mahsa, ÖZÇELİKAY AKYILDIZ GÖKSU, Çetinkaya Ahmet, DOĞAN TOPAL BURCU, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2023). A Comparative Study of Molecular Imprinting Techniques Used for Fabrication of Electrochemical Sensor of Olaparib. *Journal of The Electrochemical Society*, 170(), Doi: 10.1149/1945-7111/acf620 (Yayın No : 8520042)

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- 22 . Budak Fatma,Çetinkaya Ahmet,KAYA SARIYE İREM,BELLUR ATICI ESEN,ÖZKAN SİBEL AYŞIL (2023). A molecularly imprinted polymer-based electrochemical sensor for the determination of tofacitinib. *Microchimica Acta*, 190(), Doi: 10.1007/s00604-023-05790-3 (Yayın No : 8520075)
- 23 . Budak Fatma,Çetinkaya Ahmet,KAYA SARIYE İREM,BELLUR ATICI ESEN,ÖZKAN SİBEL AYŞIL (2023). Sensitive determination and electrochemical evaluation of anticancer drug tofacitinib in pharmaceutical and biological samples using glassy carbon and boron-doped diamond electrodes. *Diamond and Related Materials*, 133(), Doi: 10.1016/j.diamond.2023.109751 (Yayın No : 8520097)
- 24 . KAYA SARIYE İREM, Çetinkaya Ahmet, BELLUR ATICI ESEN, ÇORMAN MEHMET EMİN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2023). Electrochemical sensing of acridinium bromide with metal ion-assisted molecularly imprinted films. *Microchemical Journal*, 184(), Doi: 10.1016/j.microc.2022.108128 (Yayın No : 8520053)
- 25 . Çetinkaya Ahmet, KAYA SARIYE İREM, Şenel Pelin, ÇİNİ NEJLA, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL, YURTSEVER MİNE, GÖLCÜ AYŞEGÜL (2022). Detection of Axitinib Using Multiwalled Carbon Nanotube-Fe₃O₄/Chitosan Nanocomposite-Based Electrochemical Sensor and Modeling with Density Functional Theory. *ACS Omega*, 7(), Doi: 10.1021/acsomega.2c04244 (Yayın No : 7912185)
- 26 . Çetinkaya Ahmet, KAYA SARIYE İREM, BELLUR ATICI ESEN, ÇORMAN MEHMET EMİN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2022). A semi-covalent molecularly imprinted electrochemical sensor for rapid and selective detection of tiotropium bromide. *Analytical and Bioanalytical Chemistry*, 414(), Doi: 10.1007/s00216-022-04335-6 (Yayın No : 7912181)
- 27 . Çetinkaya Ahmet,YILDIZ EMRECAN,KAYA SARIYE İREM,ÇORMAN MEHMET EMİN,UZUN LOKMAN,ÖZKAN SİBEL AYŞIL (2022). A green synthesis route to develop molecularly imprinted electrochemical sensor for selective detection of vancomycin from aqueous and serum samples. *Green Analytical Chemistry*, 2(100017), Doi: 10.1016/j.greeac.2022.100017 (Yayın No : 9983828)
- 28 . Şenel Pelin, Çetinkaya Ahmet, KAYA SARIYE İREM, ERDOĞAN TANER, DOĞAN TOPAL BURCU, GÖLCÜ AYŞEGÜL, ÖZKAN SİBEL AYŞIL (2022). Spectroscopic, electrochemical, and some theoretical studies on the interaction of neuraminidase inhibitor zanamivir with double helix deoxyribonucleic acid. *Journal of Molecular Structure*, 1262(), Doi: 10.1016/j.molstruc.2022.133029 (Yayın No : 7912187)
- 29 . Çetinkaya Ahmet, KAYA SARIYE İREM, ÇORMAN MEHMET EMİN, KARAKAYA MUSTAFA, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2022). A highly sensitive and selective electrochemical sensor based on computer-aided design of molecularly imprinted polymer for the determination of leflunomide. *Microchemical Journal*, 179(), Doi: 10.1016/j.microc.2022.107496 (Yayın No : 7887258)
- 30 . KAYA SARIYE İREM, ÇORMAN MEHMET EMİN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2022). Simple preparation of surface molecularly imprinted polymer based on silica particles for trace level assay of bisphenol F. *Analytical and Bioanalytical Chemistry*, 414(), Doi: 10.1007/s00216-022-04142-z (Yayın No : 7887250)
- 31 . KAYA SARIYE İREM, ÇORMAN MEHMET EMİN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2022). A porous molecularly imprinted electrochemical sensor for specific determination of bisphenol S from human serum and bottled water samples in femtomolar level. *Analytical and Bioanalytical Chemistry*, 414(), Doi: 10.1007/s00216-022-03928-5 (Yayın No : 7660694)
- 32 . KAYA SARIYE İREM, Çetinkaya Ahmet, ÖZÇELİKAY GÖKSU, ÇORMAN MEHMET EMİN, KARAKAYA MUSTAFA, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2022). Computational design and fabrication of a highly selective and sensitive molecularly imprinted electrochemical sensor for the detection of enzalutamide. *Journal of Electroanalytical Chemistry*, 907(), Doi: 10.1016/j.jelechem.2022.116030 (Yayın No : 7559399)
- 33 . KAYA SARIYE İREM, ÖZÇELİKAY GÖKSU, ARMUTCU ÇORMAN CANAN, ÖZKAN SİBEL AYŞIL (2022). An Ultra-Sensitive Molecularly Imprinted Poly(Aniline) Based Electrochemical Sensor for the Determination of Bisphenol A in Synthetic Human Serum Specimen and Plastic Bottled Water Samples. *JOURNAL OF THE ELECTROCHEMICAL SOCIETY*, 169(1), Doi: 10.1149/1945-7111/ac49cb (Yayın No : 7559413)
- 34 . Doulache Merzak, Doulache Merzak, KAYA SARIYE İREM, Çetinkaya Ahmet, KARADAŞ BAKIRHAN NURGÜL, Trari Mohamed, ÖZKAN SİBEL AYŞIL (2021). Detailed electrochemical behavior and thermodynamic parameters of anticancer drug regorafenib and its sensitive electroanalytical assay in biological and pharmaceutical samples. *Microchemical Journal*, 170(), Doi: 10.1016/j.microc.2021.106717 (Yayın No : 7302773)
- 35 . Çetinkaya Ahmet, KAYA SARIYE İREM, ÖZÇELİKAY GÖKSU, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2021). A molecularly imprinted electrochemical sensor based on highly selective and an ultra-trace assay of anti-cancer drug axitinib in its dosage form and biological samples. *Talanta*, 233(), Doi: 10.1016/j.talanta.2021.122569 (Yayın No : 7302756)
- 36 . KAYA SARIYE İREM,KURBANOĞLU SEVİNÇ,Yavuz Ejmer,Mustafov Sibel Demiroglu,ŞEN FATİH,ÖZKAN SİBEL AYŞIL (2020). Carbon-based ruthenium nanomaterial-based electroanalytical sensors for the detection of anticancer drug Idarubicin. *SCIENTIFIC REPORTS*, 10(1), Doi: 10.1038/s41598-020-68055-6 (Yayın No : 6604053)

Uluslararası hakemli dergilerde yayımlanan makaleler:

- 37 . KAYA SARIYE İREM, Demirkan Buse, KARADAŞ BAKIRHAN NURGÜL, Kuyuldar Esra, KURBANOĞLU SEVİNÇ, ÖZKAN SİBEL AYŞIL, ŞEN FATİH (2019). Highly sensitive carbon-based nanohybrid sensor platform for determination of 5-hydroxytryptamine receptor agonist (Eletriptan). JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, 174(), 206-213. , Doi: 10.1016/j.jpba.2019.05.070 (Yayın No : 6604044)

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (proceedings) basılan bildiriler

- 1 . KAYA SARIYE İREM, Çetinkaya Ahmet, YUSUFBEYOĞLU SADI, BALDEMİR KILIÇ AYŞE, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2024). Selective determination of bortezomib with a plant-based nanoflower-modified electrochemical MIP sensor. nanoBalkan International Conference (NB2024), (Tam metin bildiri) (Yayın No:9530949)
- 2 . KAYA SARIYE İREM, SEZİGEN SERMET, KARADAŞ BAKIRHAN NURGÜL, ÖZKAN SİBEL AYŞIL (2024). A Molecularly Imprinted Electrochemical Sensor for Selective Analysis of a Nerve Agent Metabolite. 13th Workshop on Biosensors & Bioanalytical Microtechniques in Environmental Food & Clinical Analysis (BBMEC 2024), (Özet bildiri) (Yayın No:9501332)
- 3 . ÖZÇELİKAY AKYILDIZ GÖKSU, Hosseinzadeh Batoul, Jadon Nimisha, KAYA SARIYE İREM, Çetinkaya Ahmet, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2024). Evaluation of electrochemical behavior of Riociguat with bare glassy carbon electrode and MIP-based electrochemical sensor. 12th International Drug Chemistry Conference, (Özet bildiri) (Yayın No:9501336)
- 4 . KAYA SARIYE İREM (2023). A Novel and Highly Selective Approach Based on a Molecularly Imprinted Electrochemical Sensor for the Determination of Muscle Relaxant Phenyramidol. 12th Annual Symposium on Physical and Analytical Chemistry, (Özet bildiri) (Yayın No:9530931)
- 5 . KAYA SARIYE İREM, Majidian Mahsa, ÖZÇELİKAY AKYILDIZ GÖKSU, Çetinkaya Ahmet, DOĞAN TOPAL BURCU, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2023). Comparison of Polymerization Techniques for the Development of Molecularly Imprinted Polymer-Based Electrochemical Sensor Used for Anticancer Drug Determination. nanoBalkan International Conference (NB2023), (Özet bildiri) (Yayın No:9530886)
- 6 . KAYA SARIYE İREM (2023). Electrochemical determination of the antiviral drug lamivudine by molecularly imprinted polymer-based sensor-assisted sample preparation. 29th International Symposium on Electro- and Liquid Phase-Separation Techniques, (Özet bildiri) (Yayın No:9501301)
- 7 . KAYA SARIYE İREM, KARADAŞ BAKIRHAN NURGÜL, ÇORMAN MEHMET EMİN, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2023). New Electrochemical Approaches for the Determination of Regorafenib Using Different Polymerization Techniques. 74th Annual Meeting of the International Society of Electrochemistry, (Özet bildiri) (Yayın No:9530846)
- 8 . KAYA SARIYE İREM, Çetinkaya Ahmet, Alahmad Waleed, Varanusupakul Pakorn, ÖZKAN SİBEL AYŞIL (2023). Fabrication of ZnO Nanoparticles Assisted Molecularly Imprinted Polymer-Based Electrochemical Sensor for the Selective Determination of Sorafenib. Euroanalysis XXI 2023, (Özet bildiri) (Yayın No:9501319)
- 9 . KAYA SARIYE İREM, HÜRKÜL MUHAMMED MESUD, Çetinkaya Ahmet, Budak Fatma, UZUN LOKMAN, ÖZKAN SİBEL AYŞIL (2023). Development of Selective and Sensitive MIP-Based Electrochemical Sensor for Quercetin Determination from Rubus sanctus, Fragaria vesca Extracts and Some Herbal Supplements. 33rd International Symposium on Pharmaceutical and Biomedical Analysis, (Tam metin bildiri) (Yayın No:9501326)
- 10 . KAYA SARIYE İREM, Majidian Mahsa, Çetinkaya Ahmet, ÖZÇELİKAY AKYILDIZ GÖKSU, DOĞAN TOPAL BURCU, BELLUR ATICI ESEN, ÖZKAN SİBEL AYŞIL (2022). Highly Selective and Sensitive Electrochemical Sensor Based on Thermal Polymerization for the Determination of Olaparib. 11th Annual Symposium on Physical and Analytical Chemistry, (Özet bildiri) (Yayın No:9530820)
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