



Ertan Şahin

Prof. Dr. · Anorganik Kimya Ana Bilim Dalı Başkanlığı

Atatürk Üniversitesi · Fen Fakültesi Dekanlığı · Kimya Bölümü Başkanlığı · Anorganik Kimya Ana Bilim Dalı Başkanlığı

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YÖKSİS Araştırmacı ID: 51604

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Genel Bakış

Görev yeri: Prof. Dr. · Fen Fakültesi Dekanlığı · Kimya Bölümü Başkanlığı · Anorganik Kimya Ana Bilim Dalı Başkanlığı

Görevlendirme: Prof. Dr. · Fen Fakültesi Dekanlığı · Kimya Bölümü Başkanlığı

Web of Science Araştırma Alanları: Physics, Condensed Matter · Nanoscience & Nanotechnology · Crystallography · Physics · Chemistry · Physics, Atomic, Molecular & Chemical

Scopus Konu Alanları (ASJC): Electronic, Optical and Magnetic Materials · General Chemistry · Atomic and Molecular Physics, and Optics

Eğitim ve Yetkinlikler

Eğitim Bilgileri

- Doktora** (1996 – 2003)
Hacettepe Üniversitesi · Türkiye
- Yüksek Lisans** (1993 – 1996)
Atatürk Üniversitesi · Fen Bilimleri Enstitüsü Müdürlüğü
Türkiye
- Lisans** (1988 – 1993)
Atatürk Üniversitesi · Türkiye

Yabancı Diller

- İngilizce** (2004)
B2 — Orta Üstü · ÜDS

Yaptığı Tezler

- Bazı Ligandların ve Metal komplekslerin Kristal yapılarının ve moleküler konformasyonlarının X-ışınları kırınımı ve kimyasal hesaplama yöntemleri ile incelenmesi** (2003)
Ertan Şahin
Yaptığı Tez · Doktora · Danışman: Doç. Dr. Semra İDE · Devam ediyor · Hacettepe Üniversitesi · Türkiye
- Ekran Baskı yöntemi ile hazırlanan BiPbSrCaCuO üstüniletken kalın filimlerin Galvanomagnetik özellikleri** (1996)
Ertan Şahin
Yaptığı Tez · Yüksek Lisans · Danışman: Doç. Dr. Necdet BAŞTÜRK · Devam ediyor · Hacettepe Üniversitesi · Türkiye

Mesleki Deneyim

Verdiği Dersler

1. **Katı Maddelerin Özellikleri II** (2020)
Ertan Şahin
Verdiği Ders · Yüksek Lisans
2. **Anorganik Kimya Labaratuvarı** (2020)
Ertan Şahin
Verdiği Ders · Lisans
3. **DNS** (2019)
Ertan Şahin
Verdiği Ders · Yüksek Lisans
4. **Danışmanlık** (2019)
Ertan Şahin
Verdiği Ders · Yüksek Lisans

Akademik Ünvanlar/Görevler

1. **Prof. Dr.** (2013 – Devam ediyor)
Atatürk Üniversitesi > Fen Fakültesi Dekanlığı > Kimya Bölümü Başkanlığı
2. **Prof. Dr.** (1993 – Devam ediyor)
Atatürk Üniversitesi > Fen Fakültesi Dekanlığı > Kimya Bölümü Başkanlığı > Anorganik Kimya Ana Bilim Dalı Başkanlığı

Akademik İdari Deneyim

1. **Akademik İdari Deneyim** (2019 – Devam ediyor)
Ertan Şahin
Akademik İdari Deneyim · Anabilim/Bilim Dalı Başkanı · Atatürk Üniversitesi · Türkiye

Proje & Tasarımlar

1. **Kimya Bölümünün Akademik Araştırma Potansiyelinin Geliştirilmesi** (2019 – 2021)
Nihat AKBULUT, Abdullah MENZEK, Arif Daştan, Duygu Ekinci, Hamdullah Kılıç, Hasan Özdemir, Cavit Kazaz, Nurullah SARAÇOĞLU, Yavuz Onganer, **Ertan Şahin**, Ebru Mete, Emine Salamcı, Deryanur Kılıç, Sefa Uçar, Murat Çelik, Ahmet Emin ÖZTÜRK, Volkan Akyıldız, Ömer İrfan Küfrevioğlu, Ümit DEMİR, Hasan Seçen ve 20 yazar daha
Proje · Ulusal · Rol: Araştırmacı · Tamamlandı · Atatürk Üniversitesi · Türkiye
2. **BAZOMETİN BOYAR MADDELERİN VE KOMPLEKSLERİNİN SENTEZİ, KARAKTERİZASYONU VE X-İŞİNİ TEK KRİSTAL YAPI ANALİZİ** (2013 – 2014)
Ertan Şahin
Proje · Ulusal · Rol: Yürütücü · Tamamlandı · Atatürk Üniversitesi · Türkiye
3. **BAZI GEÇİŞ METALLERİ İLE KARIŞIK LİGANTLI 5-SÜLFOSALİSİLAT KOMPLEKSLERİNİN SENTEZİ VE X-İŞİNLARI KIRINIMI YÖNTEMİYLE TEK KRİSTAL YAPI ANALİZİ** (2012 – 2014)
Ertan Şahin
Proje · Ulusal · Rol: Yürütücü · Tamamlandı · Atatürk Üniversitesi · Türkiye

Makaleler

- 1. Substituent-driven supramolecular assembly in Hg(II) bromide complexes with pyridine-based hydrazone ligands: crystal structures, Hirshfeld surface analysis, and DFT/QTAIM study (2026)**
Alexander S. Novikov, Ghodrat Mahmoudi, Asmet N. Azizova, Ennio Zangrando, **Ertan Şahin**, Subhadip Roy, Suman Adhikari, OKAN ZAFER YEŞİLEL
POLYHEDRON, Cilt 299 · DOI: [10.1016/j.poly.2026.118383](https://doi.org/10.1016/j.poly.2026.118383)
Tam Makale · Uluslararası
- 2. Spectroscopic and mechanistic analysis of the unexpected mechanism of coumarin-indolium-based fluorescent probes with particular anions (2026)**
Furkan Kılıçarslan, Ergin Keleş, Sıla Şapcı, NURGÜL SEFEROĞLU, BURCU AYDINER, **Ertan Şahin**, ZEYNEL SEFEROĞLU
TETRAHEDRON, Cilt 195 · DOI: [10.1016/j.tet.2026.135236](https://doi.org/10.1016/j.tet.2026.135236)
Tam Makale · Uluslararası
- 3. Nicotinamide complexes of metal(II) furan-2-carboxylates: synthesis, determination of crystal structures, Hirshfeld surface analysis, and in vitro and in silico evaluation of inhibitory properties on CA I, CA II, AChE, BChE, and GR enzymes (2026)**
Merve Nar, Murat Senturk, Afşin Ahmet Kaya, Füreyä Elif Öztürkkan, Emine Kaya Altop, **Ertan Şahin**
STRUCTURAL CHEMISTRY, Cilt 37, Sayı 3, ss. 1281-1300 · DOI: [10.1007/s11224-025-02625-0](https://doi.org/10.1007/s11224-025-02625-0)
Tam Makale · Uluslararası
- 4. Coordination versatility and weak Hg...X (X = Cl, O, N) interactions in hydrazone-based Hg(ii) complexes: structural evolution from discrete units to extended architectures (2026)**
Alexander S. Novikov, Ghodrat Mahmoudi, Asmet N. Azizova, Ennio Zangrando, **Ertan Şahin**, Eugeny V. Alexandrov, Subhadip Roy, Suman Adhikari
CrystEngComm, Cilt 28, Sayı 13, ss. 2036-2046 · DOI: [10.1039/d5ce01185j](https://doi.org/10.1039/d5ce01185j)
Tam Makale · Uluslararası
- 5. 3,5-Difenil-1H-Pirazol'ün P-Toluen Sülfonik Asit Kompleksinin Sentezi, Tek Kristal X Işını Difraksiyonu Ve Yoğunluk Fonksiyonel Teorisi İncelemeleri (2026)**
Adem RÜZGAR, Esvet Akbas, **Ertan Şahin**, EBRAR NUR ŞAHİN
Karadeniz Fen Bilimleri Dergisi, Cilt 16, Sayı 1, ss. 75-90 · DOI: [10.31466/kfbd.1638041](https://doi.org/10.31466/kfbd.1638041)
Tam Makale · Ulusal
- 6. Synthesis, structural analysis, and computational investigations of metronidazole and climbazole derivatives (2026)**
Ebrar Nur Ozkan, MELEK GÖKMEN KARAKAYA, Ozlem Gundogdu Aytac, Abdullah Menzek, **Ertan Şahin**
Journal of Molecular Structure, Cilt 1351 · DOI: [10.1016/j.molstruc.2025.144223](https://doi.org/10.1016/j.molstruc.2025.144223)
Tam Makale · Uluslararası
- 7. Indigo Beyond Tradition: Scalable Derivatization, Extraction from Waste Denim Textiles, and Boc-Protected Intermediates (2026)**
Gökhan Kaplan, NURGÜL SEFEROĞLU, **Ertan Şahin**, ZEYNEL SEFEROĞLU
JOURNAL OF ORGANIC CHEMISTRY, Cilt 91, Sayı 2, ss. 1017-1028 · DOI: [10.1021/acs.joc.5c02380](https://doi.org/10.1021/acs.joc.5c02380)
Tam Makale · Uluslararası

8. **Synthesis of new generation amido-Phosphinite derivative complexes by microwave method and investigation of their biological activities** (2026)
Saniya Assylbekova, Nermin Meric, Cezmi Kayan, **Ertan Şahin**, Alexey Zazybin, Veysi Okumus, Seval Celik Zararsiz, Feyyaz Durap, Akin Baysal, Murat Aydemir
POLYHEDRON, Cilt 283 · DOI: [10.1016/j.poly.2025.117818](https://doi.org/10.1016/j.poly.2025.117818)
Tam Makale · Uluslararası
9. **1,4-Naphthoquinone thiazole urea hybrids bearing morpholine/piperazine: synthesis, crystal structure, aldose reductase and α -glycosidase enzyme inhibition, molecular docking, and electrochemical interaction with dsDNA** (2026)
Cagla Efeoglu, SELENAY SADAK, **Ertan Şahin**, Yeliz Demir, CÜNEYT TÜRKEŞ, BENĞİ USLU, Yahya Nural
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, Cilt 130 · DOI: [10.1016/j.bmcl.2025.130417](https://doi.org/10.1016/j.bmcl.2025.130417)
Tam Makale · Uluslararası
10. **Facil and one-pot synthesis of novel N-alkylated derivatives of S-lactic hydrazones under green conditions and study of their antibacterial properties** (2025)
Maryam Gholami, Gholamhassan Imanzadeh, Farhad Kabiri Esfahani, Morteza Karami-Zarandi, Zahra Soltanzadeh, **Ertan Şahin**
GREEN CHEMISTRY LETTERS AND REVIEWS, Cilt 18, Sayı 1 · DOI: [10.1080/17518253.2025.2541057](https://doi.org/10.1080/17518253.2025.2541057)
Tam Makale · Uluslararası
11. **Photo-induced bromination of (+)-camphene and efficient synthesis of novel camphene-based compounds** (2025)
Raşit Fikret Yılmaz, Ahmet Tutar, Md Zahidul Islam, Yavuz Derin, Salih Ökten, **Ertan Şahin**, Arif Daştan
Journal of Molecular Structure, Cilt 1342 · DOI: [10.1016/j.molstruc.2025.142769](https://doi.org/10.1016/j.molstruc.2025.142769)
Tam Makale · Uluslararası
12. **Determination of cyanide in organic and aqueous environments by NASH reaction** (2025)
Ebubekir Kandemir, BURCU AYDINER, **Ertan Şahin**, Yılmaz Sakalli, NURGÜL SEFEROĞLU, ZEYNEL SEFEROĞLU
DYES AND PIGMENTS, Cilt 241 · DOI: [10.1016/j.dyepig.2025.112898](https://doi.org/10.1016/j.dyepig.2025.112898)
Tam Makale · Uluslararası
13. **Design of a Pd/SWCNTs/TiO₂ Photocatalyst for Enhancing Cross-Coupling Reactions by Assistance of Surface Plasmon Resonance** (2025)
Maryam Barmaki, Nader Noroozi Pesyan, Hassan Alamgholiloo, **Ertan Şahin**
INORGANIC CHEMISTRY, Cilt 64, Sayı 36, ss. 18411–18420 · DOI: [10.1021/acs.inorgchem.5c02955](https://doi.org/10.1021/acs.inorgchem.5c02955)
Tam Makale · Uluslararası
14. **Metal-Organic Framework MIL-101 as an Efficient Heterogeneous Catalyst for Clean Synthesis of Benzothiazoles and Single Crystal X-ray Diffraction, Quantum Chemical Studies, Electrochemical Performance, Molecular Docking and DNA Interactions** (2025)
Esvet Akbaş, Adem Rüzgar, **Ertan Şahin**, Abdulkadir Levent
ChemistrySelect, Cilt 10, Sayı 23 · DOI: [10.1002/slct.202405888](https://doi.org/10.1002/slct.202405888)
Tam Makale · Uluslararası
15. **Synthesis of a Molecular Tweezer Based on Norbornadiene Framework: Unexpected Stereoselectivity** (2025)
Evren Cücü, SELÇUK EŞSİZ, **Ertan Şahin**, Erdin Dalkılıç
ASIAN JOURNAL OF ORGANIC CHEMISTRY, Cilt 14, Sayı 6 · DOI: [10.1002/ajoc.202500152](https://doi.org/10.1002/ajoc.202500152)
Tam Makale · Uluslararası

16. **A new indanone based dyes bearing dicyanomethylene and salicylidene moieties for selective detection cyanide anion and aromatic amines** (2025)
Mohamed Yahya, Ergin Keleş, Rumeysa Metin, BURCU AYDINER, NURGÜL SEFEROĞLU, Alberto Barsella, **Ertan Şahin**, Yilmaz Sakalli, ZEYNEL SEFEROĞLU
Journal Of Photochemistry And Photobiology A-Chemistry, Cilt 462 · DOI: [10.1016/j.jphotochem.2024.116176](https://doi.org/10.1016/j.jphotochem.2024.116176)
Tam Makale · Uluslararası
17. **Synthesis, characterization and luminescent properties of silver(I) complexes with 5-sulfosalicylic acid and imidazole derivatives** (2025)
Eda Çavuş Kaya, Figen Arslan Biçer, **Ertan Şahin**, OKAN ZAFER YEŞİLEL
POLYHEDRON, Cilt 270 · DOI: [10.1016/j.poly.2025.117443](https://doi.org/10.1016/j.poly.2025.117443)
Tam Makale · Uluslararası
18. **Synthesis of compounds including cyclopropane ring: Selectivity in additions** (2025)
Abdullah MENZEK, Sedef Sirtbasi, **Ertan Şahin**, Cetin Bayrak, Mahire E. Olgun, Ali Yavari, Sefa Bayram, Mohsen Rezaei
Journal of Molecular Structure, Cilt 1324 · DOI: [10.1016/j.molstruc.2024.140807](https://doi.org/10.1016/j.molstruc.2024.140807)
Tam Makale · Uluslararası
19. **Base-Mediated Synthesis of Imidazole-Fused 1,4-Benzoxazepines via 7-exo-dig Cyclizations: Propargyl Group Transformation** (2025)
Nalan Korkmaz Cokol, Fevzi Can Inyurt, İpek Öktem, **Ertan Şahin**, Ozlem Sari, ÇAĞATAY DENGİZ, Metin Balci
JOURNAL OF ORGANIC CHEMISTRY, Cilt 90, Sayı 13, ss. 4675–4689 · DOI: [10.1021/acs.joc.5c00106](https://doi.org/10.1021/acs.joc.5c00106)
Tam Makale · Uluslararası
20. **1,4-Naphthoquinone thiazoles: Synthesis, crystal structure, anti-proliferative activity, and inverse molecular docking study** (2025)
Cagla Efeoglu, RIZA SERTTAŞ, Bunyamin Demir, **Ertan Şahin**, Erdal Yabalak, NURGÜL SEFEROĞLU, SUAT ERDOĞAN, Abdülilah Ece, Yahya Nural
Journal of Molecular Structure, Cilt 1322 · DOI: [10.1016/j.molstruc.2024.140330](https://doi.org/10.1016/j.molstruc.2024.140330)
Tam Makale · Uluslararası
21. **Synthesis, structural studies and Hirshfeld surface analysis of the substituted isoindole-1,3-dione derivatives** (2025)
Özlem Gündoğdu Aytaç, Ebrar Nur Özkan, Yunus Kara, **Ertan Şahin**
Journal of Molecular Structure, Cilt 1321 · DOI: [10.1016/j.molstruc.2024.140204](https://doi.org/10.1016/j.molstruc.2024.140204)
Tam Makale · Uluslararası
22. **Reduction of 2-phenyl-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione with NaBH4: Investigation of exo-selectivity and reaction mechanism via theoretical computations** (2025)
Özlem Gündoğdu, Abdurrahman Atalay, Pinar Turhan, Barış Anıl, **Ertan Şahin**, Uğur Bozkaya, Nurhan Horasan, Yunus Kara
Journal of Molecular Structure, Cilt 1319 · DOI: [10.1016/j.molstruc.2024.139520](https://doi.org/10.1016/j.molstruc.2024.139520)
Tam Makale · Uluslararası
23. **The synthesis, carbonic anhydrase and acetylcholinesterase inhibition effects of sulfonyl chloride moiety containing oxazolidinones using an intramolecular aza-Michael addition** (2025)
Alper Yıldırım, Ufuk Atmaca, **Ertan Şahin**, Parham Taslimi, Tugba Taskin-Tok, Murat Çelik, İlhami Gülçin
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, Cilt 43, Sayı 2, ss. 1052–1067 · DOI: [10.1080/07391102.2023.2291163](https://doi.org/10.1080/07391102.2023.2291163)
Tam Makale · Uluslararası

24. **In memory of Professor George Michael Sheldrick (1942-2025)** (2025)
Ertan Şahin
Organic Communications, Cilt 18, Sayı 1, ss. 1-2 · DOI: [10.25135/acg.oc.184-2503-3471](https://doi.org/10.25135/acg.oc.184-2503-3471)
Kısa Makale · Uluslararası
25. **Design and synthesis of heterocycle-based push-pull NLOphores: A comprehensive study of their linear and non-linear optical properties** (2025)
Başak Karagöllü, Tolga Orçun Şengöz, Hazal Kayaş, KÜBRA ERDEN, **Ertan Şahin**, OKAN ESENTÜRK, ÇAĞATAY DENGİZ
DYES AND PIGMENTS, Cilt 232 · DOI: [10.1016/j.dyepig.2024.112469](https://doi.org/10.1016/j.dyepig.2024.112469)
Tam Makale · Uluslararası
26. **Multicomponent synthesis of stereogenic-at-boron fluorophores (BOSPYR) from boronic acids, salicylaldehydes, and 2-formylpyrrole hydrazones** (2024)
EZGİ BAYER KÖMÜŞDOĞAN, Sania Batool, **Ertan Şahin**, EROL YILDIRIM, Murat Işık, CİHANGİR TANYELİ
CHEMICAL COMMUNICATIONS, Cilt 61, Sayı 3, ss. 576-579 · DOI: [10.1039/d4cc03956d](https://doi.org/10.1039/d4cc03956d)
Tam Makale · Uluslararası
27. **One-pot synthesis of 4,5,6-triacetoxyisoindole-1,3-dione derivatives by hydride transferring agent in Ac2O: Explanation of the regioselectivity in the molecule by theoretical calculations** (2024)
Ozlem Gundogdu, Abdurrahman Atalay, **Ertan Şahin**, Yunus Kara
Journal of Molecular Structure, Cilt 1314 · DOI: [10.1016/j.molstruc.2024.138767](https://doi.org/10.1016/j.molstruc.2024.138767)
Tam Makale · Uluslararası
28. **An Efficient Promising Direction for the Synthesis of Dispirotripiperazine (6-6-6 DSTP) Core** (2024)
Mahsa Golmohammadi, Nader Noroozi Pesyan, **Ertan Şahin**
Synthesis (Germany), Cilt 56, Sayı 17, ss. 2742-2746 · DOI: [10.1055/s-0043-1774930](https://doi.org/10.1055/s-0043-1774930)
Tam Makale · Uluslararası
29. **Unusual Rearrangements in Cyclohex-3-ene-1-carboxamide Derivatives: Pathway to Bicyclic Lactones** (2024)
Özlem Gündoğdu, Sertan Aytaç, **Ertan Şahin**, Yunus Kara
ACS OMEGA, Cilt 9, Sayı 21, ss. 22970-22978 · DOI: [10.1021/acsomega.4c02183](https://doi.org/10.1021/acsomega.4c02183)
Tam Makale · Uluslararası
30. **New naphthoquinone thiazole hybrids as carbonic anhydrase and cholinesterase inhibitors: Synthesis, crystal structure, molecular docking, and acid dissociation constant** (2024)
Cagla Efeoglu, Ozge Selcuk, Bunyamin Demir, **Ertan Şahin**, Hayati Sari, CÜNEYT TÜRKEŞ, Yeliz Demir, Yahya Nural, ŞÜKRÜ BEYDEMİR
Journal of Molecular Structure, Cilt 1301 · DOI: [10.1016/j.molstruc.2023.137365](https://doi.org/10.1016/j.molstruc.2023.137365)
Tam Makale · Uluslararası
31. **Asymmetric Synthesis of Trifluoromethyl Substituted Spiro[Indoline-3,4'-Pyrano[2,3-c]Pyrazole] Derivatives with Organocatalysts** (2024)
Bilge Deniz Ozcan, EZGİ BAYER KÖMÜŞDOĞAN, **Ertan Şahin**, CİHANGİR TANYELİ
ChemistrySelect, Cilt 9, Sayı 5 · DOI: [10.1002/slct.202304275](https://doi.org/10.1002/slct.202304275)
Tam Makale · Uluslararası
32. **Synthesis and photooxygenation of 3-(p-substituted phenyl)-3a,8a-dihydro-4H-cyclohepta[d]isoxazoles: Facial selectivity** (2024)
Mahire Emel Olgun, Abdullah Menzek, **Ertan Şahin**, Yasin Çetinkaya
TURKISH JOURNAL OF CHEMISTRY, Cilt 48, Sayı 4, ss. 691-700 · DOI: [10.55730/1300-0527.3688](https://doi.org/10.55730/1300-0527.3688)
Tam Makale · Uluslararası

33. **Bromination and conversion of tetrahydro-1H-indene to bisoxirane with a new approach: synthesis, structural characterization by spectroscopic and theoretical methods, and biological analysis supported by DFT and docking** (2023)
Rasit Fikret Yılmaz, SULTAN ERKAN, Salih Okten, Ahmet TUTAR, **Ertan Şahin**
TURKISH JOURNAL OF CHEMISTRY, Cilt 47, Sayı 6, ss. 1459–1478 · DOI: [10.55730/1300-0527.3628](https://doi.org/10.55730/1300-0527.3628)
Tam Makale · Uluslararası
34. **Regioselective N-alkylation of some 2 or 6-chlorinated purine analogues** (2023)
FATIMA DOĞANÇ, Amine Sena Yurdgülü, **Ertan Şahin**, ALİ HAKAN GÖKER
Journal of Molecular Structure, Cilt 1272 · DOI: [10.1016/j.molstruc.2022.134200](https://doi.org/10.1016/j.molstruc.2022.134200)
Tam Makale · Uluslararası
35. **Regio- and stereo-chemical ring-opening reactions of the 2,3-epoxy alcohol derivative with nucleophiles: Explanation of the structures and C-2 selectivity supported by theoretical computations** (2022)
ÖZLEM GÜNDOĞDU, Abdurrahman Atalay, Neslihan Celebioglu, Barış Anıl, **Ertan Şahin**, Gulsah Sanli-Mohamed, UĞUR BOZKAYA, Yunus Kara
Journal of Molecular Structure, Cilt 1264 · DOI: [10.1016/j.molstruc.2022.133163](https://doi.org/10.1016/j.molstruc.2022.133163)
Tam Makale · Uluslararası
36. **Stereoselective synthesis of novel bis-homoinositols with bicyclo[4.2.0] octane motifs** (2022)
ABDULLAH KARANFİL, **Ertan Şahin**, LATİF KELEBEKLİ
CARBOHYDRATE RESEARCH, Cilt 519 · DOI: [10.1016/j.carres.2022.108611](https://doi.org/10.1016/j.carres.2022.108611)
Tam Makale · Uluslararası
37. **Experimental and computational studies of 1,5-diphenyl-pyrazole-3-carboxamide compounds as potential Cannabinoid receptor type 1** (2022)
İRFAN KOCA, MEHMET YAKAN, İRFAN ÇAPAN, **Ertan Şahin**, YUSUF SERT
Journal of Molecular Structure, Cilt 1264 · DOI: [10.1016/j.molstruc.2022.133269](https://doi.org/10.1016/j.molstruc.2022.133269)
Tam Makale · Uluslararası
38. **Study of chemical behaviors of 4-hydroxycumarin in alkali media: dicumarols or dihydro-4H-furo[3,2-c]chromenes?** (2022)
Masoumeh Imani, Nader Noroozi Pesyan, Michael Aalinejad, **Ertan Şahin**
Journal of the Iranian Chemical Society, Cilt 19, Sayı 8, ss. 3397–3405 · DOI: [10.1007/s13738-022-02533-8](https://doi.org/10.1007/s13738-022-02533-8)
Tam Makale · Uluslararası
39. **A boron dipyrromethene chiral at boron and carbon with a bent geometry: synthesis, resolution and chiroptical properties** (2022)
MURAT IŞIK, ESRA DÜNDAR, **Ertan Şahin**, CİHANGİR TANYELİ
CHEMICAL COMMUNICATIONS, Cilt 58, Sayı 51, ss. 7188–7191 · DOI: [10.1039/d2cc02179j](https://doi.org/10.1039/d2cc02179j)
Tam Makale · Uluslararası
40. **Synthesis and biological effects evaluation of benzoconduritols C and D from oxabenzonorbornadiene** (2022)
LATİF KELEBEKLİ, Fatma Zehra Yılmaz, MELEK ÇOL AYVAZ, **Ertan Şahin**
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