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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: H-6021-2011

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Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 2014 - 2019

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 2011 - 2014

Undergraduate, Urmia University, Fen, kimya, Iran 2004 - 2009

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, İndol-temelli potansiyel biyoaktif ve elektrolüminesans yapıların dizayn ve sentezi, Ataturk University, Fen Fakültesi, Kimya, 2019

Research Areas

Sensors, Organic Chemistry, Chemistry of Heterocyclic Compounds

Academic Titles / Tasks

Assistant Professor, Ataturk University, Fen Fakültesi, Kimya, 2024 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. A Novel Rhodamine-Phenolphthalein Architecture for Selective Mercury Ion Detection in Aqueous Media.**
Hussein A. S., Lafzi F., Bayindir S., Kilic H., Toprak M.
ChemPlusChem, vol.89, no.5, 2024 (SCI-Expanded)
- II. Rapid synthesis of azoindolizine derivatives via aryldiazonium salts**

LAFZİ F.

TURKISH JOURNAL OF CHEMISTRY, no.3, 2024 (SCI-Expanded)

- III. **Influence of spacer and donor groups as tetraphenylethylene or triphenylamine in asymmetric zinc phthalocyanine dyes for dye-sensitized solar cells**
Gümüşgöz Çelik G., Tunç G., Lafzi F., SARAÇOĞLU N., Seçkin Arslan B., Nebioğlu M., Şişman İ., Gül Gürek A.
Journal of Photochemistry and Photobiology A: Chemistry, vol.444, 2023 (SCI-Expanded)
- IV. **The thioacetal-modified phenothiazine as a novel colorimetric and fluorescent chemosensor for mercury in aqueous media**
Lafzi F., Saleh Hussein A., KILIÇ H., Bayindir S.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.444, 2023 (SCI-Expanded)
- V. **Regioselective C3-H Alkylation of Imidazopyridines with Donor-Acceptor Cyclopropanes**
Dalkilic O., Turbedaroglu O., Lafzi F., Kilic H.
JOURNAL OF ORGANIC CHEMISTRY, vol.88, no.16, pp.11834-11846, 2023 (SCI-Expanded)
- VI. **The switchable fluorescent detection of mercury, copper, and iodine in real water samples using bola-amphiphilic-tetraphenylethene**
Bayindir S., Hussein A. S., Lafzi F., Toprak M.
Journal of Molecular Liquids, vol.382, 2023 (SCI-Expanded)
- VII. **Synthesis of Bis-tetraphenylethene as a Novel Turn-On Selective Zinc Sensor**
Hussein A. S., Lafzi F., KILIÇ H., Bayindir S.
ACS OMEGA, vol.8, no.28, pp.25432-25440, 2023 (SCI-Expanded)
- VIII. **Acetic Acid-Catalyzed 1,6-Addition of Indolizine to para-Quinone Methides**
Lafzi F.
Asian Journal of Organic Chemistry, vol.12, no.7, 2023 (SCI-Expanded)
- IX. **An AIE active fluorescence sensor for measuring Fe³⁺ in aqueous media and an iron deficiency anemia drug**
Dalkilic O., Bozkurt E., Lafzi F., Kılıç H.
ORGANIC & BIOMOLECULAR CHEMISTRY, vol.21, no.26, pp.5406-5412, 2023 (SCI-Expanded)
- X. **Computational Study on Chemoselective Difunctionalization of Unactivated Alkenes with Radical-mediated Remote Functional Group Migration**
Lafzi F., Eşsiz S.
ChemPhysChem, vol.24, no.9, 2023 (SCI-Expanded)
- XI. **The selective turn-on recognition of fluoride ions using 5-aryl-rhodanines: Colorimetric & fluorescent detection**
Saleh Hussein A., Lafzi F., Bayindir S., Toprak M.
Journal of Photochemistry and Photobiology A: Chemistry, vol.438, 2023 (SCI-Expanded)
- XII. **Four-Winged Propeller-Shaped Indole-Modified and Indole-Substituted Tetraphenylethylenes: Greenish-Blue Emitters with Aggregation-Induced Emission Features for Conventional Organic Light-Emitting Diodes**
Lafzi F., Taşkesenligil Y., Canımurbey B., Piravadili S., Kılıç H., Saraçoğlu N.
ACS OMEGA, vol.7, no.48, pp.44322-44337, 2022 (SCI-Expanded)
- XIII. **Triphenylamine substituted copper and zinc phthalocyanines as alternative hole-transporting materials for solution-processed perovskite solar cells**
Celik G. G., ŞAHİN A. N., Lafzi F., SARAÇOĞLU N., ALTINDAL A., GÜREK A. G., ATILLA D.
DALTON TRANSACTIONS, vol.51, no.24, pp.9385-9396, 2022 (SCI-Expanded)
- XIV. **Solvent-controlled regioselective C(5)-H/N(1)-H bond alkylations of indolines and C(6)-H bond alkylations of 1,2,3,4-tetrahydroquinolines with para-quinone methides**
AKYILDIZ V., Lafzi F., KILIÇ H., SARAÇOĞLU N.
ORGANIC & BIOMOLECULAR CHEMISTRY, vol.20, no.17, pp.3570-3588, 2022 (SCI-Expanded)
- XV. **Site-selective C5-H and N-H alkylation of unprotected 8-aminoquinolines**
Turbedaroglu O., Lafzi F., Kilic H.
CHEMICAL COMMUNICATIONS, vol.58, no.31, pp.4893-4896, 2022 (SCI-Expanded)

- XVI. **Magnetically recoverable nickel-palladium alloy nanocatalysts for direct C-H arylation reactions**
 ZOZİK Y., SEVİM M., Lafzi F., KILIÇ H., Metin O.
 DALTON TRANSACTIONS, vol.50, no.47, pp.17515-17523, 2021 (SCI-Expanded)
- XVII. **Design, synthesis, antimicrobial evaluation, and molecular docking of novel chiral urea/thiourea derivatives bearing indole, benzimidazole, and benzothiazole scaffolds**
 Lafzi F., Kılıç D., Yildiz M., Saraçoğlu N.
 JOURNAL OF MOLECULAR STRUCTURE, vol.1241, 2021 (SCI-Expanded)
- XVIII. **Water-ratio directed selective turn-on fluorescence detection of copper and mercury in acetonitrile**
 TOPRAK M., Lafzi F., BAYINDIR S.
 JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.418, 2021 (SCI-Expanded)
- XIX. **Metal- and Additive-Free C3-Functionalization of Imidazo[1,2-a]pyridines with para-Quinone Methides**
 Lafzi F., KILIÇ H.
 ASIAN JOURNAL OF ORGANIC CHEMISTRY, vol.10, no.7, pp.1814-1821, 2021 (SCI-Expanded)
- XX. **The synthesis, current transformer mechanism and structural properties of novel rhodanine-based Al/Bis(Rh)-Ph/p-Si and Al/Bis(Rh)-TPE/p-Si heterojunctions**
 Karabulut A., Lafzi F., BAYINDIR S., SEVGİLİ Ö., Orak I.
 JOURNAL OF MOLECULAR STRUCTURE, vol.1231, 2021 (SCI-Expanded)
- XXI. **Novel triphenylamine-connected indolinium fluorescence sensor for detection of the cyanide anion and DFT calculations**
 Dalkılıç O., Lafzi F., Kılıç H., Saraçoğlu N.
 TETRAHEDRON LETTERS, vol.61, no.37, 2020 (SCI-Expanded)
- XXII. **Palladium-catalyzed regioselective C2-arylation of 5-aminoindole**
 TAŞKESENLİĞİL Y., LAFZİ F., KILIÇ H., SARAÇOĞLU N.
 Journal of Heterocyclic Chemistry, vol.56, no.12, pp.3289-3296, 2019 (SCI-Expanded)
- XXIII. **Design and synthesis of novel indoline-(thio)urea hybrids**
 LAFZİ F., KILIÇ H., Tanriver G., Avci O. N., Catak S., SARAÇOĞLU N.
 SYNTHETIC COMMUNICATIONS, vol.49, no.24, pp.3510-3527, 2019 (SCI-Expanded)
- XXIV. **Protocols for the Syntheses of 2,2'-Bis(indolyl)arylmethanes, 2-Benzylated Indoles, and 5,7-Dihydroindolo[2,3-b]carbazoles**
 Lafzi F., Kılıç H., Saraçoğlu N.
 JOURNAL OF ORGANIC CHEMISTRY, vol.84, no.18, pp.12120-12130, 2019 (SCI-Expanded)
- XXV. **The synthesis of new bola-amphiphile TPEs and the comparison of current transformer mechanism and structural properties for Al/Bis(HCTA)-TPE/p-Si and Al/Bis(HCOA)-TPE/p-Si heterojunctions**
 SEVGİLİ Ö., Lafzi F., KARABULUT A., Orak I., BAYINDIR S.
 COMPOSITES PART B-ENGINEERING, vol.172, pp.226-233, 2019 (SCI-Expanded)
- XXVI. **A simple oxindole-based colorimetric HSO₄⁻ sensor: Naked-eye detection and spectroscopic analysis**
 BAYINDIR S., Lafzi F.
 JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.376, pp.146-154, 2019 (SCI-Expanded)
- XXVII. **Bis(indolyl)methane substituted tetraphenylethylene derivatives as AIE active materials**
 Lafzi F., Kılıç H., Ertugrul B., Arik M., Saraçoğlu N.
 JOURNAL OF LUMINESCENCE, vol.208, pp.174-182, 2019 (SCI-Expanded)
- XXVIII. **Access to C5-Alkylated Indolines/Indoles via Michael-Type Friedel-Crafts Alkylation Using Aryl-Nitroolefins**
 ERTUGRUL B., KILIÇ H., LAFZİ F., SARAÇOĞLU N.
 JOURNAL OF ORGANIC CHEMISTRY, no.16, pp.9018-9038, 2018 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Regioselective Mechanochemical C5-H Alkylation of Coumaran and C6-H Alkylation of Chromane**

KILIÇ H., Atis S., LAFZİ F.

19th Asian Chemical Congress, 9 - 14 July 2023

- II. **Design and Synthesis of Phenolphthalein-Based Sensor Candidates and Investigation of Their Sensor Properties**
Hussein A. S., LAFZİ F., BAYINDIR S., KILIÇ H., TOPRAK M.
19th Asian Chemical Congress, 9 - 14 July 2023
- III. **Triphenylamine substituted copper and zinc phthalocyanines as alternative hole-transporting materials for solution-processed perovskite solar cells**
GÜMÜŞGÖZ ÇELİK G., ŞAHİN A. N., LAFZİ F., SARAÇOĞLU N., ALTINDAL A., GÜREK A. G., ATILLA D.
International Conference on Porphyrins and Phthalocyanines (ICPP-12), Madrid, Spain, 10 July 2022, pp.279
- IV. **Regioselective and Chemoselective Alkylation of 8-Aminoquinolines using para-Quinone Methides**
Turbedaroglu O., LAFZİ F., KILIÇ H.
10th Drug Chemistry Conference, 10 - 14 March 2022
- V. **Synthesis of C6-Alkylated Tetrahydroquinolines and Quinolines using Donor-Acceptor Cyclopropanes**
Taşkın H., Turbedaroglu O., LAFZİ F., KILIÇ H.
10th Drug Chemistry Conference, 10 - 13 March 2022
- VI. **C3-Alkylation of Imidazo[1,2-a]pyridines with Donor-Acceptor Cyclopropanes**
Turbedaroglu O., Dalkilic O., LAFZİ F., KILIÇ H.
9th Drug Chemistry Conference, 8 - 11 April 2021
- VII. **Indole-Based Aggregation-Induced Emissive Luminogens**
Lafzi F., Taşkesenligil Y., KILIÇ H., SARAÇOĞLU N.
ISTANBUL INTERNATIONAL ORGANIC ELECTRONICSYMPOSIUM, 2 - 04 September 2019
- VIII. **Antimicrobial Screen, Molecular Modelling and ADME Prediction of Some New Urea/Thiourea Derivatives**
KILIÇ D., Yıldız M., LAFZİ F., KILIÇ H., SARAÇOĞLU N.
1st Eurasia Biochemical Approaches Technologies (Ebat) Congress, 27 - 30 October 2018
- IX. **Synthesis and Photophysical Properties of Triphenylvinyl Substituted Indoles**
Taskesenligil Y., LAFZİ F., KILIÇ H., Ertuğrul B., SARAÇOĞLU N.
4th Organic Chemistry Congress, 4 - 08 October 2018
- X. **Synthesis of Indoles Analogues of Tetraphenylethylene as a Potential AIE-Luminogen**
LAFZİ F., Taskesenligil Y., KILIÇ H., Ertuğrul B., SARAÇOĞLU N.
4th Organic Chemistry Congress, 4 - 08 October 2018
- XI. **Pd(II)-Catalyzed C-H Arylation of 5-Aminoindole**
Taskesenligil Y., LAFZİ F., KILIÇ H., SARAÇOĞLU N.
6. İlaç Kimyası: İlaç Etkin MaddesiTasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 22 - 25 March 2018
- XII. **Synthesis of Novel Bisindolylmethane-Tetraphenylethylene Hybrids**
LAFZİ F., Ertuğrul B., KILIÇ H., SARAÇOĞLU N.
6. İlaç Kimyası: İlaç Etkin MaddesiTasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 22 - 25 March 2018
- XIII. **C5-Alkillenmiş İndolin ve İndol Türevlerinin Selektif Sentezi**
Ertuğrul B., KILIÇ H., LAFZİ F., SARAÇOĞLU N.
29. Ulusal Kimya Kongresi, 10 - 14 October 2017
- XIV. **(Thio)urea Derivatives Enhance Wound Closure by Increasing CellProliferation: Synthesis and In Vitro Evaluation**
KILIÇ D., LAFZİ F., KILIÇ H., SARAÇOĞLU N.
3 rd International Multidisciplinary Symposium on Drug Research and Development - DRD, 5 - 07 October 2017
- XV. **Yeni Silodosin Ara Ürünlerinin Sentezi**
Ertuğrul B., LAFZİ F., KILIÇ H., SARAÇOĞLU N.
5. İlaç Kimyası: İlaç Etkin MaddesiTasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 30 March - 02 April 2017
- XVI. **Novel Synthesis of 2,2-Bis Indolyl methane derivatives and Investigation of Their Anion Sensor Properties**

LAFZİ F., KILIÇ H., SARAÇOĞLU N.

2 nd Anatolian Conference on synthetic Organic Chemistry, 21 - 24 March 2016

XVII. The straightforward synthesis of C-5-substitued indolines/indoles and the preparation of new silodosin intermediates

Ertuğrul B., KILIÇ H., LAFZİ F., SARAÇOĞLU N.

Trans Mediterranean Colloquium on Heterocyclic Chemistry (TRAMECH VIII), 11 - 15 November 2015

XVIII. A Regioselective Approach for Functionalization of Indolines/Indoles at the 5-Position

KILIÇ H., Ertuğrul B., LAFZİ F., SARAÇOĞLU N.

ITWCCST: 1st International Turkic World Conference on Chemical Sciences and Technologies, 27 October - 01 November 2015

XIX. Design and Synthesis of Novel Indole/Indoline-Based Chiral (Thio)urea Derivatives and Their Application in Asymmetric Conjugate Addition

LAFZİ F., KILIÇ H., SARAÇOĞLU N.

13th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry, 14 - 17 February 2015

XX. Benzimidazol ve Benzotiyazol Temelli Üre/Tiyoüre Türevlerinin Sentezi ve Asimetrik Konjuge Katılımlarda Organik Katalizör Aktivitelerinin İncelenmesi

LAFZİ F., KILIÇ H., SARAÇOĞLU N.

2. Ulusal Organik Kimya Kongresi, 24 - 26 September 2014

XXI. Yeni İndolin-İndol Esaslı Organokatalizörler ve Enantiyoselektif Michael Katılma Reaksiyonunda Onların Uygulamaları

LAFZİ F., KILIÇ H., SARAÇOĞLU N.

2. Ulusal Organik Kimya Kongresi, 24 - 26 September 2014

XXII. İndol ve İndolin Temelli Kiral Üre/Tiyoüre Türevlerinin Sentezi ve Asimetrik Konjuge Katılımlarda Organik Katalizör Aktivitelerinin İncelenmesi

LAFZİ F., KILIÇ H., SARAÇOĞLU N.

5. Ulusal Kataliz Kongresi, 23 - 26 April 2014

Supported Projects

Lafzi F., Kılıç H., TUBITAK Project, Annulation Reaction of Azadiene and ortho-Quinonmetides with Zwitterionic structures, 2023 - 2026

Lafzi F., TUBITAK Project, İndolizin Türevlerinin Fotoredoks Katalizli C-H Arilasyonu, 2022 - 2024

Metrics

Publication: 50

Citation (WoS): 203

Citation (Scopus): 239

H-Index (WoS): 9

H-Index (Scopus): 10