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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: AAA-9838-2019

Eğitim Bilgileri

Doktora, Universite Lyon 1, Fransa 1999 - 2002

Yüksek Lisans, Universite Lyon 1, Fransa 1998 - 1999

Lisans, Universite Lyon 1, Fransa 1994 - 1998

Yaptığı Tezler

Doktora, Synthesis of neoglycolipids and study of their self-assembling properties, Universite Lyon 1, 2002

Yüksek Lisans, Synthese d'analogues de glycosylceramides, Universite Lyon 1, 1999

Araştırma Alanları

Kimya

Akademik İdari Deneyim

Fakülte Yönetim Kurulu Üyesi, Acibadem Mehmet Ali Aydınlar Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Biyomedikal Mühendisliği Bölümü, 2021 - Devam Ediyor

Fakülte Kurulu Üyesi, Acibadem Mehmet Ali Aydınlar Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Biyomedikal Mühendisliği Bölümü, 2021 - Devam Ediyor

Staj Komisyonu, Acibadem Mehmet Ali Aydınlar Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Biyomedikal Mühendisliği Bölümü, 2021 - Devam Ediyor

Erasmus Programı Bölüm Koordinatörü, Acibadem Mehmet Ali Aydınlar Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Biyomedikal Mühendisliği Bölümü, 2021 - Devam Ediyor

Ölçme Değerlendirme Kurulu üyesi, Acibadem Mehmet Ali Aydınlar Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Biyomedikal Mühendisliği Bölümü, 2021 - Devam Ediyor

İntibak Komisyonu Başkanı, Acibadem Mehmet Ali Aydınlar Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Biyomedikal Mühendisliği Bölümü, 2021 - Devam Ediyor

Stratejik Plan Komisyonu, Acibadem Mehmet Ali Aydınlar Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Biyomedikal Mühendisliği Bölümü, 2021 - Devam Ediyor

Erasmus Programı Bölüm Koordinatörü, Acibadem Mehmet Ali Aydınlar Üniversitesi, Fen Bilimleri Enstitüsü, 2021 -

Verdiği Dersler

Basic Chemistry II, Lisans, 2022 - 2023, 2021 - 2022, 2020 - 2021

Organic Chemistry, Lisans, 2022 - 2023, 2021 - 2022

Seminar, Doktora, 2022 - 2023, 2021 - 2022, 2020 - 2021

Seminar, Yüksek Lisans, 2021 - 2022, 2020 - 2021

Photosensitisers for PDT, Doktora, 2021 - 2022, 2020 - 2021

Organic Chemistry , Lisans, 2020 - 2021

Photosensitisers for PDT, Yüksek Lisans, 2020 - 2021

İLERİ ORGANİK KİMYA, Yüksek Lisans, 2017 - 2018, 2016 - 2017

PHTHALOCYANİNES AND PORPHYRİNES, Doktora, 2015 - 2016, 2014 - 2015, 2012 - 2013

Yönetilen Tezler

Tazebay U. H., Dumoulin F., PHOTODYNAMIC THERAPY EFFECTS OF NIR-ABSORBING NOVEL PHTHALOCYANINES, Doktora, E.Gazel(Öğrenci), 2022

Jüri Üyelikleri

Tez Savunma (Doktora), Tez Savunma (Doktora), POLITECHNIKA WROCŁAWSKA, Aralık, 2022

Tez Savunma (Doktora), Tez Savunma (Doktora), Université de Limoges, Ekim, 2022

Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Pamukkale Üniversitesi, Haziran, 2022

Tez Savunma (Doktora), Tez Savunma (Doktora), Universiteit van Amsterdam, Ocak, 2022

Tez Savunma (Doktora), Tez Savunma (Doktora), Université Montpellier I, Aralık, 2021

Tez Savunma (Doktora), Tez Savunma (Doktora), Université de Limoges, Eylül, 2021

Tez Savunma (Doktora), Tez Savunma (Doktora), Ecole Nationale Supérieure de Chimie de Clermont-Ferrand, Haziran, 2021

Tez Savunma (Doktora), Tez Savunma (Doktora), University of KwaZulu-Natal, Şubat, 2021

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Phthalocyanines prepared from 4,5-dihexylthiophthalonitrile, a popular building block**
TOPKAYA TAŞKIRAN D., ŞAHİN Z., İŞÇİ Ü., İsci F.
TURKISH JOURNAL OF CHEMISTRY, sa.5, ss.814-836, 2023 (SCI-Expanded)
- II. **Tetra vs. octa-How it affects the photophysical, photochemical, physicochemical and biological properties of mercaptophenol-substituted Zn phthalocyanines**
TOPKAYA TAŞKIRAN D., Aydın D., Ben Aziza H., ŞAHİN Z., İsci U., Durand D., Tazebay U. H., Gary-Bobo M., DUMOULIN F.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.26, sa.11, ss.701-707, 2022 (SCI-Expanded)
- III. **Far-red triplet sensitized Z-to-E photoswitching of azobenzene in bioplastics**
Bharmoria P., Ghasemi S., Edhborg F., Losantos R., Wang Z., Martensson A., Morikawa M., Kimizuka N., İsci U., DUMOULIN F., et al.
CHEMICAL SCIENCE, cilt.13, sa.40, ss.11904-11911, 2022 (SCI-Expanded)
- IV. **Nanoscaled PAMAM Dendrimer Spacer Improved the Photothermal-Photodynamic Treatment Efficiency of Photosensitizer-Decorated Confeito-Like Gold Nanoparticles for Cancer Therapy**
Saw W. S., Anasamy T., Thu Thi Anh Do T. T. A. D., Lee H. B., Chee C. F., İsci U., Misran M., DUMOULIN F., Chong W. Y.,

Kiew L. V., et al.

MACROMOLECULAR BIOSCIENCE, cilt.22, sa.8, 2022 (SCI-Expanded)

- V. **Photodynamic inactivation of Staphylococcus aureus using tetraethylene glycol-substituted Zn(II) phthalocyanine**
Mete E., Kabay N., DUMOULIN F., Ahsen V., Kostakoglu S. T., Ergin C.
BIOTECHNIC & HISTOCHEMISTRY, cilt.96, sa.4, ss.311-314, 2021 (SCI-Expanded)
- VI. **Peptoid-phthalocyanine architectures with different grafting positions: Synthetic strategy and photoproperties**
Rzeigui M., Sahin Z., Roy O., Kucuk T., Goler O., Atilla D., Khiari J., DUMOULIN F., Taillefumier C.
DYES AND PIGMENTS, cilt.189, 2021 (SCI-Expanded)
- VII. **Tuning of organic heterojunction conductivity by the substituents' electronic effects in phthalocyanines for ambipolar gas sensors**
Sahin Z., Meunier-Prest R., DUMOULIN F., Kumar A., Isci U., Bouvet M.
SENSORS AND ACTUATORS B-CHEMICAL, cilt.332, 2021 (SCI-Expanded)
- VIII. **The unique features and promises of phthalocyanines as advanced photosensitisers for photodynamic therapy of cancer**
Lo P., Salome Rodriguez-Morgade M., Pandey R. K., Ng D. K. P., Torres T., DUMOULIN F.
CHEMICAL SOCIETY REVIEWS, cilt.49, sa.4, ss.1041-1056, 2020 (SCI-Expanded)
- IX. **Alkylthio-tetrasubstituted mu-Nitrido Diiron Phthalocyanines: Spectroelectrochemistry, Electrical Properties, and Heterojunctions for Ammonia Sensing**
Sahin Z., Meunier-Prest R., DUMOULIN F., Isci U., Bouvet M.
INORGANIC CHEMISTRY, cilt.59, sa.2, ss.1057-1067, 2020 (SCI-Expanded)
- X. **Phthalocyanine-based mesoporous organosilica nanoparticles: NIR photodynamic efficiency and siRNA photochemical internalization**
Ekineker G., Nguyen C., Bayir S., Dominguez Gil S., Isci U., Daurat M., Godefroy A., Raehm L., Charnay C., Oliviero E., et al.
CHEMICAL COMMUNICATIONS, cilt.55, sa.77, ss.11619-11622, 2019 (SCI-Expanded)
- XI. **CO₂ electrochemical catalytic reduction with a highly active cobalt phthalocyanine**
Wang M., Torbensen K., Salvatore D., Ren S., Joulie D., DUMOULIN F., Mendoza D., Lassalle-Kaiser B., Isci U., Berlinguette C. P., et al.
NATURE COMMUNICATIONS, cilt.10, 2019 (SCI-Expanded)
- XII. **Photoproperties, PVP formulation and F-19 NMR of a Zn phthalocyanine with 24 magnetically pseudo-equivalent fluorine atoms**
Kucuk T., Alpugan S., Davarci D., Pehlivan E. G., Bayir S., Tazebay U. H., DUMOULIN F.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.23, ss.611-618, 2019 (SCI-Expanded)
- XIII. **Preface - Women in Porphyrin Science**
DUMOULIN F., Nyokong T., Brothers P.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.23, 2019 (SCI-Expanded)
- XIV. **Surfactant-Free Direct Access to Porphyrin-Cross-Linked Nanogels for Photodynamic and Photothermal Therapy**
Chambre L., Saw W. S., Ekineker G., Kiew L. V., Chong W. Y., Lee H. B., Chung L. Y., Bretonniere Y., DUMOULIN F., Sanyal A.
BIOCONJUGATE CHEMISTRY, cilt.29, sa.12, ss.4149-4159, 2018 (SCI-Expanded)
- XV. **Introduction to the themed issue 'Nano- and Molecular Engineering of Photosensitisers'**
DUMOULIN F.
PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES, cilt.17, sa.11, ss.1488-1489, 2018 (SCI-Expanded)
- XVI. **Triphenylphosphonium-substituted phthalocyanine: Design, synthetic strategy, photoproperties and photodynamic activity**
Tarhouni M., Durand D., Onal E., Aggad D., Isci U., Ekineker G., Bregier F., Jamoussi B., Sol V., Gary-Bobo M., et al.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.22, sa.7, ss.552-561, 2018 (SCI-Expanded)
- XVII. **Near-Infrared Activatable Phthalocyanine Poly-L-Glutamic Acid Conjugate: Enhanced in Vivo Safety**

and Antitumor Efficacy toward an Effective Photodynamic Cancer Therapy

Cheah H. Y., Gallon E., DUMOULIN F., Hoe S. Z., Japundzic-Zigon N., Glumac S., Lee H. B., Anand P., Chung L. Y., Jesus Vicent M., et al.

MOLECULAR PHARMACEUTICS, cilt.15, sa.7, ss.2594-2605, 2018 (SCI-Expanded)

- XVIII. **Photophysical properties of palladium/platinum tetrasulfonyl phthalocyanines and their application in triplet-triplet annihilation upconversion**
Che Y., Yang W., Tang G., DUMOULIN F., Zhao J., Liu L., Isci U.
JOURNAL OF MATERIALS CHEMISTRY C, cilt.6, sa.21, ss.5785-5793, 2018 (SCI-Expanded)
- XIX. **Effect of the Substitution Pattern (Peripheral vs Non-Peripheral) on the Spectroscopic, Electrochemical, and Magnetic Properties of Octahexylsulfonyl Copper Phthalocyanines**
Turkmen T. A., Zeng L., Cui Y., Fidan I., DUMOULIN F., Hirel C., Zorlu Y., Ahsen V., Chernonosov A. A., Chumakov Y., et al.
INORGANIC CHEMISTRY, cilt.57, sa.11, ss.6456-6465, 2018 (SCI-Expanded)
- XX. **Sulfonyl vs sulfonyl, 4,5-vs 3,6-position. How structural variations in phthalonitrile substitution affect their infra-red, crystallographic and Hirshfeld surface analyses**
Onal E., Okay T. M., Ekineker G., Isci U., Ahsen V., Berber S., Zorlu Y., DUMOULIN F.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1155, ss.310-319, 2018 (SCI-Expanded)
- XXI. **Cyclotriphosphazene, a scaffold for F-19 MRI contrast agents**
Onal E., Zhang C., Davarci D., Isci U., Pilet G., Whittaker A. K., DUMOULIN F.
TETRAHEDRON LETTERS, cilt.59, sa.6, ss.521-523, 2018 (SCI-Expanded)
- XXII. **Synthesis and characterization of a new meso-tetra-dihydro benzocyclobutenaphthylene free-base porphyrin**
Isci U., Topal S. Z., Onal E., Fidan I., Berber S., Ahsen V., Parejo C., Sastre-Santos A., DUMOULIN F.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.22, ss.173-180, 2018 (SCI-Expanded)
- XXIII. **Zn phthalocyanine conjugation to H2-ul aptamer for HER2-targeted breast cancer photodynamic therapy: Design, optimization and properties**
Alpugan S., TOPKAYA TAŞKIRAN D., ATILLA D., AHSEN V., Niazi J. H., DUMOULIN F.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.21, sa.12, ss.887-892, 2017 (SCI-Expanded)
- XXIV. **Disulfide-bridge dimeric porphyrin and their reference compounds for glutathione-based specific tumor-activation**
Alpugan S., TOPKAYA TAŞKIRAN D., DUMOULIN F.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.21, sa.12, ss.918-924, 2017 (SCI-Expanded)
- XXV. **Porphyrin- or phthalocyanine-bridged silsesquioxane nanoparticles for two-photon photodynamic therapy or photoacoustic imaging**
Mauriello-Jimenez C., Henry M., Aggad D., Raehm L., Cattoen X., Man M. W. C., Charnay C., Alpugan S., Ahsen V., Tarakci D. K., et al.
NANOSCALE, cilt.9, sa.43, ss.16622-16626, 2017 (SCI-Expanded)
- XXVI. **Iron porphyrin-modified PVDF membrane as a biomimetic material and its effectiveness on nitric oxide binding**
Can F., Demirci O. C., DUMOULIN F., Erhan E., Arslan L. C., Ergenekon P.
APPLIED SURFACE SCIENCE, cilt.420, ss.625-630, 2017 (SCI-Expanded)
- XXVII. **Structure-Photoproperties Relationship Investigation of the Singlet Oxygen Formation in Porphyrin-Fullerene Dyads**
Onal E., Topal S. Z., Fidan I., Berber S., DUMOULIN F., Hirel C.
JOURNAL OF FLUORESCENCE, cilt.27, sa.5, ss.1855-1869, 2017 (SCI-Expanded)
- XXVIII. **Assessment of the relevance of GaPc substituted with azido-polyethylene glycol chains for photodynamic therapy. Design, synthetic strategy, fluorescence, singlet oxygen generation, and pH-dependent spectroscopic behaviour**
Koc V., Topal S. Z., Tekdas D. A., Ates O. D., Onal E., DUMOULIN F., Gurek A. G., Ahsen V.
NEW JOURNAL OF CHEMISTRY, cilt.41, sa.18, ss.10027-10036, 2017 (SCI-Expanded)
- XXIX. **Near-infrared activatable phthalocyanine-poly-L-glutamic acid conjugate: increased cellular uptake**

and light-dark toxicity ratio toward an effective photodynamic cancer therapy

Kiew L. V., Cheah H. Y., Voon S. H., Gallon E., Movellan J., Ng K. H., Alpugan S., Lee H. B., DUMOULIN F., Vicent M. J., et al.

NANOMEDICINE-NANOTECHNOLOGY BIOLOGY AND MEDICINE, cilt.13, sa.4, ss.1447-1458, 2017 (SCI-Expanded)

- XXX. **Fluorescent H-aggregates of an asymmetrically substituted mono-amino Zn(II) phthalocyanine**
Bayda M., DUMOULIN F., Hug G. L., Koput J., Gorniaka R., Wojcik A.
DALTON TRANSACTIONS, cilt.46, sa.6, ss.1914-1926, 2017 (SCI-Expanded)
- XXXI. **Iodination improves the phototoxicity of an amphiphilic porphyrin**
TOPKAYA TAŞKIRAN D., Ng S. Y., Bretonniere Y., Lafont D., Chung L. Y., Lee H. B., DUMOULIN F.
PHOTODIAGNOSIS AND PHOTODYNAMIC THERAPY, cilt.16, ss.12-14, 2016 (SCI-Expanded)
- XXXII. **Fluorination of phthalocyanine substituents: Improved photoproperties and enhanced photodynamic efficacy after optimal micellar formulations**
Pucelik B., Gurol I., Ahsen V., DUMOULIN F., Dabrowski J. M.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, cilt.124, ss.284-298, 2016 (SCI-Expanded)
- XXXIII. **Spectroscopic and structural properties of bisphthalonitriles with O/S/SO₂ grafting: Comparative theoretical and experimental studies**
Ekineker G., Pilet G., Berber S., Ahsen V., DUMOULIN F., Onal E.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1123, ss.261-270, 2016 (SCI-Expanded)
- XXXIV. **Bisphthalonitrile with a Disulfide-Based Linker and its Dimethylene Analogue: Comparative Structural Insights**
Alpugan S., Ekineker G., Ahsen V., Berber S., Onal E., DUMOULIN F.
CRYSTALS, cilt.6, sa.8, 2016 (SCI-Expanded)
- XXXV. **Subtle variations of the behavior of a silylated tetraethylene glycol-substituted Zn phthalocyanine towards acids**
Onal E., Topal S. Z., Tarhouni M., Isci U., Bassem J., Ahsen V., DUMOULIN F.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.20, ss.1182-1189, 2016 (SCI-Expanded)
- XXXVI. **Covalent or supramolecular combinations of resorcinarenes and porphyrinoids**
DUMOULIN F., TOPKAYA TAŞKIRAN D., Yasar S., AHSEN V., İŞCİ Ü.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.20, sa.5, ss.671-681, 2016 (SCI-Expanded)
- XXXVII. **Methylsulfonyl Zn phthalocyanine: A polyvalent and powerful hydrophobic photosensitizer with a wide spectrum of photodynamic applications**
Isi U., Beyreis M., Tortik N., Topal S. Z., Glueck M., Ahsen V., DUMOULIN F., Kiesslich T., Plaetzer K.
PHOTODIAGNOSIS AND PHOTODYNAMIC THERAPY, cilt.13, ss.40-47, 2016 (SCI-Expanded)
- XXXVIII. **A library of dimeric and trimeric phthalonitriles linked by a single aromatic ring: comparative structural and DFT investigations**
Koc M., Zorlu Y., Isi U., Berber S., Ahsen V., DUMOULIN F.
CRYSTENGCOMM, cilt.18, sa.8, ss.1416-1426, 2016 (SCI-Expanded)
- XXXIX. **Design of an amphiphilic porphyrin exhibiting high in vitro photocytotoxicity**
TOPKAYA TAŞKIRAN D., Lafont D., Poyer F., Garcia G., Albrieux F., Maillard P., Bretonniere Y., DUMOULIN F.
NEW JOURNAL OF CHEMISTRY, cilt.40, sa.3, ss.2044-2050, 2016 (SCI-Expanded)
- XL. **Antimicrobial activity of a quaternized BODIPY against Staphylococcus strains**
Tekdas D. A., Viswanathan G., Topal S. Z., Looi C. Y., Wong W. F., Tan G. M. Y., Zorlu Y., Gurek A. G., Lee H. B., DUMOULIN F.
ORGANIC & BIOMOLECULAR CHEMISTRY, cilt.14, sa.9, ss.2665-2670, 2016 (SCI-Expanded)
- XLI. **Phthalocyanine-chalcone conjugates**
Aribi F., Vey C., TOPKAYA TAŞKIRAN D., KOSTAKOĞLU S. T., Fournier-dit-Chabert J., Buyukeksi S. I., Taskin G. C., Alpugan S., Albrieux F., GÜREK A. G., et al.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.20, ss.497-504, 2016 (SCI-Expanded)
- XLII. **Modulation of singlet oxygen generation and amphiphilic properties of trihydroxylated monohalogenated porphyrins**
TOPKAYA TAŞKIRAN D., Arnoux P., DUMOULIN F.

JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.19, sa.10, ss.1081-1087, 2015 (SCI-Expanded)

- XLIII. **Resorcinarene-mono-benzimidazolium salts as NHC ligands for Suzuki-Miyaura cross-couplings catalysts**
İŞÇİ Ü., AYĞÜN M., SEVİNÇEK R., ZORLU Y., DUMOULIN F.
TURKISH JOURNAL OF CHEMISTRY, cilt.39, sa.6, ss.1300-1310, 2015 (SCI-Expanded)
- XLIV. **Site-selective formation of an iron(IV)-oxo species at the more electron-rich iron atom of heteroleptic mu-nitrido diiron phthalocyanines**
İsci U., Faponle A. S., Afanasiev P., Albrieux F., Briois V., Ahsen V., DUMOULIN F., Sorokin A. B., de Visser S. P.
CHEMICAL SCIENCE, cilt.6, sa.8, ss.5063-5075, 2015 (SCI-Expanded)
- XLV. **Fluorescent mono- and tetra-dansylated cavitands: synthesis and acid sensitivity**
İsci U., Zorlu Y., DUMOULIN F.
TURKISH JOURNAL OF CHEMISTRY, cilt.39, sa.2, ss.207-216, 2015 (SCI-Expanded)
- XLVI. **The synthesis of an octasubstituted monohydroxylated phthalocyanine designed to investigate the effect of the presence of active moieties**
Tarakci D. K., Berber S., Zorlu Y., Atilla D., Ahsen V., DUMOULIN F.
NEW JOURNAL OF CHEMISTRY, cilt.39, sa.5, ss.3929-3935, 2015 (SCI-Expanded)
- XLVII. **1,4,8,11,15,18,22,25-Alkylsulfanyl phthalocyanines: effect of macrocycle distortion on spectroscopic and packing properties**
ZORLU Y., Kumru U., İŞÇİ Ü., Divrik B., Jeanneau E., Albrieux F., DEDE Y., AHSEN V., DUMOULIN F.
CHEMICAL COMMUNICATIONS, cilt.51, sa.30, ss.6580-6583, 2015 (SCI-Expanded)
- XLVIII. **Dihydroxylated Alkylsulfanyl Phthalonitriles**
ZORLU Y., Taskiran D. T., Tarakci D. K., Kumru U., Alpugan S., İŞÇİ Ü., DUMOULIN F., AHSEN V.
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, cilt.44, sa.7, ss.337-345, 2014 (SCI-Expanded)
- XLIX. **Improved Photodynamic Efficacy of Zn(II) Phthalocyanines via Glycerol Substitution**
Chin Y., Lim S. H., Zorlu Y., Ahsen V., Kiew L. V., Chung L. Y., DUMOULIN F., Lee H. B.
PLOS ONE, cilt.9, sa.5, 2014 (SCI-Expanded)
- L. **Axial binding and host-guest interactions of a phthalocyanine resorcinarene cavitand hybrid**
TOPKAYA TAŞKIRAN D., DUMOULIN F., AHSEN V., İŞÇİ Ü.
DALTON TRANSACTIONS, cilt.43, sa.5, ss.2032-2037, 2014 (SCI-Expanded)
- LI. **Modulation of the electronic and spectroscopic properties of Zn(II) phthalocyanines by their substitution pattern**
Topal S. Z., İsci U., Kumru U., Atilla D., Gurek A. G., Hirel C., Durmus M., Tommasino J., Luneau D., Berber S., et al.
DALTON TRANSACTIONS, cilt.43, sa.18, ss.6897-6908, 2014 (SCI-Expanded)
- LII. **Optimized synthesis and crystal growth by sublimation of 1,3,3-trichloroisoindolenines, key building blocks for crosswise phthalocyanines**
Ayhan M. M., Zorlu Y., Gokdemir O., Gurek A. G., DUMOULIN F., Ahsen V., Hirel C.
CRYSTENGCOMM, cilt.16, sa.29, ss.6556-6563, 2014 (SCI-Expanded)
- LIII. **Sulfonamide-substituted iron phthalocyanine: design, solubility range, stability and oxidation of olefins**
İsci U., Caner C., Zorlu Y., Gurek A. G., DUMOULIN F., Ahsen V.
DALTON TRANSACTIONS, cilt.43, sa.48, ss.17916-17919, 2014 (SCI-Expanded)
- LIV. **N-bridged dimers of tetrapyrroles complexed by transition metals: syntheses, characterization methods, and uses as oxidation catalysts**
İsci U., DUMOULIN F., Sorokin A. B., Ahsen V.
TURKISH JOURNAL OF CHEMISTRY, cilt.38, sa.6, ss.923-949, 2014 (SCI-Expanded)
- LV. **Synthetic approaches to asymmetric phthalocyanines and their analogues**
Nemykin V. N., Dudkin S. V., DUMOULIN F., Hirel C., Gurek A. G., Ahsen V.
ARKIVOC, ss.142-204, 2014 (SCI-Expanded)
- LVI. **Expeditious selective access to functionalized platforms of A(7)B-type heteroleptic lanthanide double-decker complexes of phthalocyanine**
Alpugan S., İsci U., Albrieux F., Hirel C., Gurek A. G., Bretonniere Y., Ahsen V., DUMOULIN F.

CHEMICAL COMMUNICATIONS, cilt.50, sa.56, ss.7466-7468, 2014 (SCI-Expanded)

- LVII. **Phthalonitriles Functionalized for Click Chemistry. Design, Synthesis and Structural Characterization**
Zorlu Y., Un I., Hirel C., DUMOULIN F., Ahsen V.
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, cilt.43, sa.12, ss.636-645, 2013 (SCI-Expanded)
- LVIII. **Hydrophilic annulated dinuclear zinc(II) phthalocyanine as Type II photosensitizers for PDT: a combined experimental and (TD)-DFT investigation**
Quartarolo A. D., Perusse D., DUMOULIN F., Russo N., Sicilia E.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.17, sa.10, ss.980-988, 2013 (SCI-Expanded)
- LIX. **Assessing the Dual Activity of a Chalcone-Phthalocyanine Conjugate: Design, Synthesis, and Antivascular and Photodynamic Properties**
Tuncel S., Trivella A., Atilla D., Bennis K., Savoie H., Albrieux F., Delort L., Billard H., Dubois V., Ahsen V., et al.
MOLECULAR PHARMACEUTICS, cilt.10, sa.10, ss.3706-3716, 2013 (SCI-Expanded)
- LX. **Preface**
DUMOULIN F., Gurek A. G., Atilla D., Hirel C., Durmus M., Yuksel F.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.17, sa.10, ss.912, 2013 (SCI-Expanded)
- LXI. **Monoglycoconjugated phthalocyanines: Effect of sugar and linkage on photodynamic activity**
Lafont D., Zorlu Y., Savoie H., Albrieux F., Ahsen V., Boyle R. W., DUMOULIN F.
PHOTODIAGNOSIS AND PHOTODYNAMIC THERAPY, cilt.10, sa.3, ss.252-259, 2013 (SCI-Expanded)
- LXII. **Comparative structural analysis of 4,5- and 3,6-dialkylsulfanylphthalonitriles of different bulkiness**
Zorlu Y., Isci U., Un I., Kumru U., DUMOULIN F., Ahsen V.
STRUCTURAL CHEMISTRY, cilt.24, sa.4, ss.1027-1038, 2013 (SCI-Expanded)
- LXIII. **Dendrimeric-like hexadecahydroxylated zinc phthalocyanine. Synthesis and evaluation of photodynamic efficiency**
Alpugan S., Garcia G., Poyer F., Durmus M., Maillard P., Ahsen V., DUMOULIN F.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.17, ss.596-603, 2013 (SCI-Expanded)
- LXIV. **A phthalocyanine-fluorescein conjugate**
Un I., Zorlu Y., Ibisoglu H., DUMOULIN F., Ahsen V.
TURKISH JOURNAL OF CHEMISTRY, cilt.37, sa.3, ss.394-404, 2013 (SCI-Expanded)
- LXV. **Comparative X-ray structure analyses of 4,5- and 3,6-dialkylsulfanylphthalonitriles of different bulkiness**
Zorlu Y., Isci U., Kumru U., DUMOULIN F., Ahsen V.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, cilt.69, 2013 (SCI-Expanded)
- LXVI. **Towards near-infrared photosensitisation: a photosensitising hydrophilic non-peripherally octasulfanyl-substituted Zn phthalocyanine**
Tekdas D. A., Kumru U., Gurek A. G., Durmus M., Ahsen V., DUMOULIN F.
TETRAHEDRON LETTERS, cilt.53, sa.39, ss.5227-5230, 2012 (SCI-Expanded)
- LXVII. **4,5-, 3,6-, and 3,4,5,6-tert-Butylsulfanylphthalonitriles: synthesis and comparative structural and spectroscopic analyses**
Kumru U., DUMOULIN F., Jeanneau E., Yuksel F., Cabezas Y., Zorlu Y., Ahsen V.
STRUCTURAL CHEMISTRY, cilt.23, sa.1, ss.175-183, 2012 (SCI-Expanded)
- LXVIII. **Towards dual photodynamic and antiangiogenic agents: design and synthesis of a phthalocyanine-chalcone conjugate**
Tuncel S., Fournier-dit-Chabert J., Albrieux F., Ahsen V., Ducki S., DUMOULIN F.
ORGANIC & BIOMOLECULAR CHEMISTRY, cilt.10, sa.6, ss.1154-1157, 2012 (SCI-Expanded)
- LXIX. **Orthogonally bifunctionalised polyacrylamide nanoparticles: a support for the assembly of multifunctional nanodevices**
Giuntini F., DUMOULIN F., Daly R., Ahsen V., Scanlan E. M., Lavado A. S. P., Aylott J. W., Rosser G. A., Beeby A., Boyle R. W.
NANOSCALE, cilt.4, sa.6, ss.2034-2045, 2012 (SCI-Expanded)
- LXX. **Symmetric, twinned, and double-decker phthalocyanines substituted by trialkylated pentaerythritol**
Koc M., Gurek A. G., DUMOULIN F., Ahsen V.

- TURKISH JOURNAL OF CHEMISTRY, cilt.36, sa.4, ss.493-502, 2012 (SCI-Expanded)
- LXXI. **Preparation of amphiphilic glycerol-substituted zinc phthalocyanines using copper-free Sonogashira cross-coupling in aqueous medium**
DUMOULIN F., Ali H., Ahsen V., van Lier J. E.
TETRAHEDRON LETTERS, cilt.52, sa.34, ss.4395-4397, 2011 (SCI-Expanded)
- LXXII. **Click chemistry: the emerging role of the azide-alkyne Huisgen dipolar addition in the preparation of substituted tetrapyrrolic derivatives**
DUMOULIN F., Ahsen V.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.15, ss.481-504, 2011 (SCI-Expanded)
- LXXIII. **Two-dimensional supramolecular assemblies involving neoglycolipids: Self-organization and insertion properties into Langmuir monolayers**
Queneau Y., DUMOULIN F., Cheaib R., Chambert S., Andraud C., Bretonniere Y., Blum L. J., Boullanger P., Girard-Egrot A.
BIOCHIMIE, cilt.93, sa.1, ss.101-112, 2011 (SCI-Expanded)
- LXXIV. **A set of highly water-soluble tetraethyleneglycol-substituted Zn(II) phthalocyanines: synthesis, photochemical and photophysical properties, interaction with plasma proteins and in vitro phototoxicity**
Tuncel S., DUMOULIN F., Gailer J., Sooriyaarachchi M., Atila D., Durmus M., Bouchu D., Savoie H., Boyle R. W., Ahsen V.
DALTON TRANSACTIONS, cilt.40, sa.16, ss.4067-4079, 2011 (SCI-Expanded)
- LXXV. **Synthetic pathways to water-soluble phthalocyanines and close analogs**
DUMOULIN F., Durmus M., Ahsen V., Nyokong T.
COORDINATION CHEMISTRY REVIEWS, cilt.254, ss.2792-2847, 2010 (SCI-Expanded)
- LXXVI. **Monoglycoconjugated water-soluble phthalocyanines. Design and synthesis of potential selectively targeting PDT photosensitisers**
Zorlu Y., DUMOULIN F., Bouchu D., Ahsen V., Lafont D.
TETRAHEDRON LETTERS, cilt.51, sa.50, ss.6615-6618, 2010 (SCI-Expanded)
- LXXVII. **Light-Triggered Liposomal Release: Membrane Permeabilization by Photodynamic Action**
Pashkovskaya A., Kotova E., Zorlu Y., DUMOULIN F., Ahsen V., Agapov I., Antonenko Y.
LANGMUIR, cilt.26, sa.8, ss.5726-5733, 2010 (SCI-Expanded)
- LXXVIII. **Comparative studies of photophysical and photochemical properties of solketal substituted platinum(II) and zinc(II) phthalocyanine sets**
Zorlu Y., DUMOULIN F., Durmus M., Ahsen V.
TETRAHEDRON, cilt.66, sa.17, ss.3248-3258, 2010 (SCI-Expanded)
- LXXIX. **Preparation of N-bridged diiron phthalocyanines bearing bulky or small electron-withdrawing substituents**
Isi U., DUMOULIN F., Ahsen V., Sorokin A. B.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.14, sa.4, ss.324-334, 2010 (SCI-Expanded)
- LXXX. **Amphiphilic carbohydrate-phthalocyanine conjugates obtained by glycosylation or by azide-alkyne click reaction**
Ermeýdan M. A., DUMOULIN F., Basova T. V., Bouchu D., Gurek A. G., Ahsen V., Lafont D.
NEW JOURNAL OF CHEMISTRY, cilt.34, sa.6, ss.1153-1162, 2010 (SCI-Expanded)
- LXXXI. **Tetraimidazophthalocyanines: influence of protonation and aggregation on spectroscopic observations**
Onal E., DUMOULIN F., Hirel C.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.13, sa.6, ss.702-711, 2009 (SCI-Expanded)
- LXXXII. **Octasolketal-substituted phthalocyanines: synthesis and systematic study of metal effect and substitution pattern on C-13 NMR**
Zorlu Y., Un I., DUMOULIN F.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.13, sa.6, ss.760-768, 2009 (SCI-Expanded)
- LXXXIII. **Glycerol and galactose substituted zinc phthalocyanines. Synthesis and photodynamic activity**

Zorlu Y., Ermeýdan M. A., DUMOULIN F., Ahsen V., Savoie H., Boyle R. W.

PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES, cilt.8, sa.3, ss.312-318, 2009 (SCI-Expanded)

LXXXIV. A first ABAC phthalocyanine

DUMOULIN F., Zorlu Y., Ayhan M. M., Hirel C., Isci U., Ahsen V.

JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.13, sa.1, ss.161-165, 2009 (SCI-Expanded)

LXXXV. Amphiphilic galactosylated phthalocyanines

Kumru U., Ermeýdan M. A., DUMOULIN F., Ahsen V.

JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.12, sa.10, ss.1090-1095, 2008 (SCI-Expanded)

LXXXVI. Synthesis and liquid crystalline properties of mono-, di- and tri-O-alkyl pentaerythritol derivatives bearing tri-, di- or monogalactosyl heads: The effects of curvature of molecular packing on mesophase formation

DUMOULIN F., Lafont D., Huynh T., Boullanger P., Mackenzie G., West J. J., Goodby J. W.

CHEMISTRY-A EUROPEAN JOURNAL, cilt.13, sa.19, ss.5585-5600, 2007 (SCI-Expanded)

LXXXVII. Synthesis of amphiphilic phenylazophenyl glycosides and a study of their liquid crystal properties

Laurent N., Lafont D., DUMOULIN F., Boullanger P., Mackenzie G., Kouwer P., Goodby J.

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.125, sa.50, ss.15499-15506, 2003 (SCI-Expanded)

LXXXVIII. Self-organizing properties of natural and related synthetic glycolipids

DUMOULIN F., Lafont D., Boullanger P., Mackenzie G., Mehl G., Goodby J.

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, cilt.124, sa.46, ss.13737-13748, 2002 (SCI-Expanded)

LXXXIX. Syntheses of neoglycolipids with hexitol spacers between the saccharidic and the lipidic parts

Lafont D., Gross B., Kleinegesse R., DUMOULIN F., Boullanger P.

CARBOHYDRATE RESEARCH, cilt.331, sa.2, ss.107-117, 2001 (SCI-Expanded)

Kitap & Kitap Bölümleri

I. Phthalocyanines and Porphyrazines

Dumoulin F., İsci Ü.

Fundamentals of Porphyrin Chemistry: A 21st Century Approach, Volume 1, Penelope J. Brothers, Mathias O. Senge, Editör, John Wiley & Sons, West Sussex, UK , London, ss.241-301, 2022

II. Porphyrin Science by Women

Dumoulin F. (Editör)

World Scientific Publishing , Singapore, 2021

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. Transforming & Improving Phthalocyanines

Dumoulin F.

X Mediterranean Organic Chemistry Meeting València,, Valencia, İspanya, 19 - 21 Ekim 2022

II. Phthalocyanines Molecules for the Nano and Biophotonic Rainbow

Dumoulin F.

6th International Workshop on Nano and Bio-Photonics" (IWNBP-2022), Annecy, Fransa, 25 - 30 Eylül 2022, ss.46

III. Phthalocyanines-based systems for health

Dumoulin F.

International Conference on Porphyrins and Phthalocyanines, Madrid, İspanya, 10 - 15 Temmuz 2022, ss.64

IV. Photosensitising amphiphilic phthalocyanines designed to self-assemble

Dumoulin F., İsci U.

Pacificchem, Hawaii, Amerika Birleşik Devletleri, 16 - 21 Aralık 2021

V. NIR phthalocyanine-based photosensitising nanoparticles for photodynamic therapy

Dumoulin F.

Pacificchem, Hawaii, Amerika Birleşik Devletleri, 16 - 21 Aralık 2021

VI. Porphyrinoids-resorcinarene cavitand hybrids: a strategy to maximize interactions between phthalocyanines and fullerenes

ŞAHİN Z., TOPKAYA TAŞKIRAN D., ÇOLAK S. G., İNCE OCAKOĞLU M., AHSEN V., DUMOULIN F., İŞÇİ Ü.

Eighth International Conference on Porphyrins and Phthalocyanines (ICPP-9), Nanjing, Çin, 3 - 08 Temmuz 2016

Bilimsel Dergilerdeki Faaliyetler

RSC ADVANCES, Editörler Kurulu Üyesi, 2022 - Devam Ediyor

Journal Of Porphyrins And Phthalocyanines, Editör, 2018 - Devam Ediyor

RSC Advances, Editör, 2015 - Devam Ediyor

Bilimsel Kuruluşlardaki Üyelikler / Görevler

European Society for Photobiology, Bilim Kurulu Üyesi, 2021 - Devam Ediyor , İtalya

International Photodynamic Association, Üye, 2017 - Devam Ediyor , Amerika Birleşik Devletleri

Royal Society of Chemistry, Asosiye Üye, 2016 - Devam Ediyor , İngiltere

European Society for Photobiology, Üye, 2011 - Devam Ediyor , İtalya

Society of Porphyrins and Phthalocyanines, Üye, 2008 - Devam Ediyor , Fransa

Bilimsel Hakemlikler

ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, SSCI Kapsamındaki Dergi, Aralık 2021

PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES, SSCI Kapsamındaki Dergi, Kasım 2021

DALTON TRANSACTIONS, SSCI Kapsamındaki Dergi, Kasım 2021

RSC MEDICINAL CHEMISTRY, SSCI Kapsamındaki Dergi, Kasım 2021

CHEMICAL COMMUNICATIONS, SSCI Kapsamındaki Dergi, Kasım 2021

SMALL, SSCI Kapsamındaki Dergi, Kasım 2021

DYES AND PIGMENTS, SSCI Kapsamındaki Dergi, Kasım 2021

CHEMICAL SCIENCE, SSCI Kapsamındaki Dergi, Ekim 2021

ADVANCED HEALTHCARE MATERIALS, SSCI Kapsamındaki Dergi, Ekim 2021

ADVANCED FUNCTIONAL MATERIALS, SSCI Kapsamındaki Dergi, Eylül 2021

DALTON TRANSACTIONS, SSCI Kapsamındaki Dergi, Ağustos 2021

NANOSCALE ADVANCES, SSCI Kapsamındaki Dergi, Ağustos 2021

NEW JOURNAL OF CHEMISTRY, SSCI Kapsamındaki Dergi, Ağustos 2021

PHOTOCHEMISTRY AND PHOTOBIOLOGY, SSCI Kapsamındaki Dergi, Ağustos 2021

MOLECULAR PHARMACEUTICS, SSCI Kapsamındaki Dergi, Temmuz 2021

NANOSCALE, SSCI Kapsamındaki Dergi, Haziran 2021

PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES, SSCI Kapsamındaki Dergi, Haziran 2021

NANOPHOTONICS, SSCI Kapsamındaki Dergi, Mayıs 2021

TURKISH JOURNAL OF CHEMISTRY, SSCI Kapsamındaki Dergi, Mayıs 2021

DALTON TRANSACTIONS, SSCI Kapsamındaki Dergi, Mayıs 2021

DALTON TRANSACTIONS, SSCI Kapsamındaki Dergi, Mayıs 2021

BIOCONJUGATE CHEMISTRY, SSCI Kapsamındaki Dergi, Mayıs 2021

CHEMMEDCHEM, SSCI Kapsamındaki Dergi, Nisan 2021

CHEMISTRY OF MATERIALS, SSCI Kapsamındaki Dergi, Nisan 2021

NEW JOURNAL OF CHEMISTRY, SSCI Kapsamındaki Dergi, Mart 2021

DYES AND PIGMENTS, SSCI Kapsamındaki Dergi, Şubat 2021

ACS MEDICINAL CHEMISTRY LETTERS, SSCI Kapsamındaki Dergi, Şubat 2021
DRUG DELIVERY AND TRANSLATIONAL RESEARCH, SSCI Kapsamındaki Dergi, Şubat 2021
ACS APPLIED MATERIALS & INTERFACES, SSCI Kapsamındaki Dergi, Şubat 2021
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, SSCI Kapsamındaki Dergi, Ocak 2021
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, SSCI Kapsamındaki Dergi, Ocak 2021

Etkinlik Organizasyonlarındaki Görevler

Dumoulin F., 18th International Photodynamic Association World Congress - IPA 2023, Bilimsel Kongre / Sempozyum Organizasyonu, Finlandiya, Temmuz 2023
Dumoulin F., X Mediterranean Organic Chemistry Meeting - X REQOMED, Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Ekim 2022
Dumoulin F., 19th Congress of the European Society for Photobiology (ESP), Bilimsel Kongre / Sempozyum Organizasyonu, Avusturya, Eylül 2021
Dumoulin F., ICPP-11 / Symp 34. Porphyrinoids-based nanoparticles for health, Bilimsel Kongre / Sempozyum Organizasyonu, New York, Amerika Birleşik Devletleri, Temmuz 2021
Dumoulin F., Yukselen G., The 5th Photodynamic Day, Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Mayıs 2021

Metrikler

Yayın: 110
Atıf (WoS): 2418
Atıf (Scopus): 2546
H-İndeks (WoS): 25
H-İndeks (Scopus): 25

Kongre ve Sempozyum Katılımı Faaliyetleri

RSC Advances Editorial Board meeting, Davetli Konuşmacı, London, İngiltere, 2022
COST Connect, Katılımcı, Brussels, Belçika, 2022
Horizon Europe MSCA-ITN Polythea meeting, Panelist, Brussels, Belçika, 2022

Ödüller

Dumoulin F., "2024 - Eşik Üstü Ödülü" Programı, Tübitak, Haziran 2022
Dumoulin F., Research Incentive Award, Mustafa Parlar Vakfı, Mayıs 2016
Dumoulin F., Genç Bilim İnsanları Ödülü, Bilim Akademisi, Nisan 2016
Dumoulin F., GEBİP, Türkiye Bilimler Akademisi, Temmuz 2015