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Education Information

Doctorate, Universite Lyon 1, France 1999 - 2002
Postgraduate, Universite Lyon 1, France 1998 - 1999
Undergraduate, Universite Lyon 1, France 1994 - 1998

Dissertations

Doctorate, Synthesis of neoglycolipids and study of their self-assembling properties, Universite Lyon 1, 2002
Postgraduate, Synthese d'analogues de glycosylceramides, Universite Lyon 1, 1999

Research Areas

Chemistry

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering And Natural Sciences, Biomedical Engineering, 2021 - Continues
Fakülte Kurulu Üyesi, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering And Natural Sciences, Biomedical Engineering, 2021 - Continues
Erasmus Program Department Coordinator, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering And Natural Sciences, Biomedical Engineering, 2021 - Continues
Stratejik Plan Komisyonu, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering And Natural Sciences, Biomedical Engineering, 2021 - Continues
İntibak Komisyonu Başkanı, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering And Natural Sciences, Biomedical Engineering, 2021 - Continues
Ölçme Değerlendirme Kurulu üyesi, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering And Natural Sciences, Biomedical Engineering, 2021 - Continues
Staj Komisyonu, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering And Natural Sciences, Biomedical Engineering, 2021 - Continues
Erasmus Program Department Coordinator, Acibadem Mehmet Ali Aydinlar University, Graduate School Of Natural And

Applied Sciences, 2021 - Continues

Courses

Basic Chemistry II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
Organic Chemistry, Undergraduate, 2022 - 2023, 2021 - 2022
Seminar, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021
Seminar, Postgraduate, 2021 - 2022, 2020 - 2021
Photosensitisers for PDT, Doctorate, 2021 - 2022, 2020 - 2021
Organic Chemistry , Undergraduate, 2020 - 2021
Photosensitisers for PDT, Postgraduate, 2020 - 2021
İLERİ ORGANİK KİMYA, Postgraduate, 2017 - 2018, 2016 - 2017
PHTHALOCYANİNES AND PORPHYRİNES, Doctorate, 2015 - 2016, 2014 - 2015, 2012 - 2013

Advising Theses

Tazebay U. H., Dumoulın F., PHOTODYNAMIC THERAPY EFFECTS OF NIR-ABSORBING NOVEL PHTHALOCYANINES, Doctorate, E.Gazel(Student), 2022

Jury Memberships

Doctorate, Doctorate, POLITECHNIKA WROCŁAWSKA, December, 2022
Doctorate, Doctorate, Université de Limoges, October, 2022
Post Graduate, Post Graduate, Pamukkale Üniversitesi, June, 2022
Doctorate, Doctorate, Universiteit van Amsterdam, January, 2022
Doctorate, Doctorate, Université Montpellier I, December, 2021
Doctorate, Doctorate, Université de Limoges, September, 2021
Doctorate, Doctorate, Ecole Nationale Supérieure de Chimie de Clermont-Ferrand, June, 2021
Doctorate, Doctorate, University of KwaZulu-Natal, February, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Phthalocyanines prepared from 4,5-dihexylthiophthalonitrile, a popular building block**
TOPKAYA TAŞKIRAN D., ŞAHİN Z., İŞCİ Ü., Isci F.
TURKISH JOURNAL OF CHEMISTRY, no.5, pp.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., Aydin D., Ben Aziza H., ŞAHİN Z., Isci U., Durand D., Tazebay U. H., Gary-Bobo M., DUMOULIN F.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.26, no.11, pp.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., Isci U., DUMOULIN F., et al.
CHEMICAL SCIENCE, vol.13, no.40, pp.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., Isci U., Misran M., DUMOULIN F., Chong W. Y., Kiew L. V., et al.

MACROMOLECULAR BIOSCIENCE, vol.22, no.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, vol.96, no.4, pp.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, vol.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, vol.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, vol.49, no.4, pp.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, vol.59, no.2, pp.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, vol.55, no.77, pp.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, vol.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, vol.23, pp.611-618, 2019 (SCI-Expanded)

XIII. **Preface - Women in Porphyrin Science**
DUMOULIN F., Nyokong T., Brothers P.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.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, vol.29, no.12, pp.4149-4159, 2018 (SCI-Expanded)

XV. **Introduction to the themed issue 'Nano- and Molecular Engineering of Photosensitisers'**
DUMOULIN F.
PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES, vol.17, no.11, pp.1488-1489, 2018 (SCI-Expanded)

XVI. **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, vol.15, no.7, pp.2594-2605, 2018 (SCI-Expanded)

XVII. **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, vol.22, no.7, pp.552-561, 2018 (SCI-Expanded)

XVIII. **Effect of the Substitution Pattern (Peripheral vs Non-Peripheral) on the Spectroscopic, Electrochemical, and Magnetic Properties of Octahexylsulfanyl 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, vol.57, no.11, pp.6456-6465, 2018 (SCI-Expanded)

XIX. **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, vol.6, no.21, pp.5785-5793, 2018 (SCI-Expanded)

XX. **Sulfanyl 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., Okyay T. M., Ekineker G., Isci U., Ahsen V., Berber S., Zorlu Y., DUMOULIN F.
JOURNAL OF MOLECULAR STRUCTURE, vol.1155, pp.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, vol.59, no.6, pp.521-523, 2018 (SCI-Expanded)

XXII. **Synthesis and characterization of a new meso-tetra-dihydro benzocyclobutacenaphthylene 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, vol.22, pp.173-180, 2018 (SCI-Expanded)

XXIII. **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, vol.21, no.12, pp.918-924, 2017 (SCI-Expanded)

XXIV. **Zn phthalocyanine conjugation to H2-ul aptamer for HER2-targeted breast cancer photodynamic therapy: Design, optimization and properties**
Alpugan S., TOPKAYA TAŞKIRAN D., ATİLLA D., AHSEN V., Niazi J. H., DUMOULIN F.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.21, no.12, pp.887-892, 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, vol.9, no.43, pp.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, vol.420, pp.625-630, 2017 (SCI-Expanded)

XXVII. **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, vol.41, no.18, pp.10027-10036, 2017 (SCI-Expanded)

XXVIII. **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, vol.27, no.5, pp.1855-1869, 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, vol.13, no.4, pp.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, vol.46, no.6, pp.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, vol.16, pp.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, vol.124, pp.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, vol.1123, pp.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, vol.6, no.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, vol.20, pp.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, vol.20, no.5, pp.671-681, 2016 (SCI-Expanded)

XXXVII. **Methylsulfonyl Zn phthalocyanine: A polyvalent and powerful hydrophobic photosensitizer with a wide spectrum of photodynamic applications**
Isci U., Beyreis M., Tortik N., Topal S. Z., Glueck M., Ahsen V., DUMOULIN F., Kiesslich T., Plaetzer K.
PHOTODIAGNOSIS AND PHOTODYNAMIC THERAPY, vol.13, pp.40-47, 2016 (SCI-Expanded)

XXXVIII. **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, vol.20, pp.497-504, 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, vol.40, no.3, pp.2044-2050, 2016 (SCI-Expanded)

XL. **A library of dimeric and trimeric phthalonitriles linked by a single aromatic ring: comparative structural and DFT investigations**
Koc M., Zorlu Y., Isci U., Berber S., Ahsen V., DUMOULIN F.
CRYSTENGCOMM, vol.18, no.8, pp.1416-1426, 2016 (SCI-Expanded)

XLI. **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, vol.14, no.9, pp.2665-2670, 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, vol.19, no.10, pp.1081-1087, 2015 (SCI-Expanded)

XLIII. **Site-selective formation of an iron(IV)-oxo species at the more electron-rich iron atom of heteroleptic mu-nitrido diiron phthalocyanines**
Isci U., Faponle A. S., Afanasiev P., Albrieux F., Briois V., Ahsen V., DUMOULIN F., Sorokin A. B., de Visser S. P.
CHEMICAL SCIENCE, vol.6, no.8, pp.5063-5075, 2015 (SCI-Expanded)

XLIV. **Resorcinarene-mono-benzimidazolium salts as NHC ligands for Suzuki-Miyaura cross-couplings catalysts**
İŞCİ Ü., AYGÜN M., SEVİNÇEK R., ZORLU Y., DUMOULIN F.
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.6, pp.1300-1310, 2015 (SCI-Expanded)

XLV. **1,4,8,11,15,18,22,25-Alkylsulfanyl phthalocyanines: effect of macrocycle distortion on spectroscopic and packing properties**
ZORLU Y., Kumru U., İŞCİ Ü., Divrik B., Jeanneau E., Albrieux F., DEDE Y., AHSEN V., DUMOULIN F.
CHEMICAL COMMUNICATIONS, vol.51, no.30, pp.6580-6583, 2015 (SCI-Expanded)

XLVI. **Fluorescent mono- and tetra-dansylated cavitands: synthesis and acid sensitivity**
Isci U., Zorlu Y., DUMOULIN F.
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.2, pp.207-216, 2015 (SCI-Expanded)

XLVII. **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, vol.39, no.5, pp.3929-3935, 2015 (SCI-Expanded)

XLVIII. **Dihydroxylated Alkylsulfanyl Phthalonitriles**
ZORLU Y., Taskiran D. T., Tarakci D. K., Kumru U., Alpugan S., İŞCİ Ü., DUMOULIN F., AHSEN V.
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, vol.44, no.7, pp.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, vol.9, no.5, 2014 (SCI-Expanded)

L. **N-bridged dimers of tetrapyrroles complexed by transition metals: syntheses, characterization methods, and uses as oxidation catalysts**
Isci U., DUMOULIN F., Sorokin A. B., Ahsen V.
TURKISH JOURNAL OF CHEMISTRY, vol.38, no.6, pp.923-949, 2014 (SCI-Expanded)

LI. **Sulfonamide-substituted iron phthalocyanine: design, solubility range, stability and oxidation of olefins**
Isci U., Caner C., Zorlu Y., Gurek A. G., DUMOULIN F., Ahsen V.
DALTON TRANSACTIONS, vol.43, no.48, pp.17916-17919, 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, vol.16, no.29, pp.6556-6563, 2014 (SCI-Expanded)

LIII. **Expeditious selective access to functionalized platforms of A(7)B-type heteroleptic lanthanide double-decker complexes of phthalocyanine**
Alpugan S., Isci U., Albrieux F., Hirel C., Gurek A. G., Bretonniere Y., Ahsen V., DUMOULIN F.
CHEMICAL COMMUNICATIONS, vol.50, no.56, pp.7466-7468, 2014 (SCI-Expanded)

LIV. **Synthetic approaches to asymmetric phthalocyanines and their analogues**
Nemykin V. N., Dudkin S. V., DUMOULIN F., Hirel C., Gurek A. G., Ahsen V.
ARKIVOC, pp.142-204, 2014 (SCI-Expanded)

LV. **Axial binding and host-guest interactions of a phthalocyanine resorcinarene cavitand hybrid**
TOPKAYA TAŞKIRAN D., DUMOULIN F., AHSEN V., İŞCİ Ü.
DALTON TRANSACTIONS, vol.43, no.5, pp.2032-2037, 2014 (SCI-Expanded)

LVI. **Modulation of the electronic and spectroscopic properties of Zn(II) phthalocyanines by their substitution pattern**
Topal S. Z., Isci U., Kumru U., Atilla D., Gurek A. G., Hirel C., Durmus M., Tommasino J., Luneau D., Berber S., et al.
DALTON TRANSACTIONS, vol.43, no.18, pp.6897-6908, 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, vol.43, no.12, pp.636-645, 2013 (SCI-Expanded)

LVIII. **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, vol.10, no.10, pp.3706-3716, 2013 (SCI-Expanded)

LIX. **Preface**
DUMOULIN F., Gurek A. G., Atilla D., Hirel C., Durmus M., Yuksel F.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.17, no.10, pp.912, 2013 (SCI-Expanded)

LX. **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, vol.17, no.10, pp.980-988, 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, vol.10, no.3, pp.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, vol.24, no.4, pp.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, vol.17, pp.596-603, 2013 (SCI-Expanded)

LXIV. **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, vol.69, 2013 (SCI-Expanded)

LXV. **A phthalocyanine-fluorescein conjugate**
Un I., Zorlu Y., Ibisoglu H., DUMOULIN F., Ahsen V.
TURKISH JOURNAL OF CHEMISTRY, vol.37, no.3, pp.394-404, 2013 (SCI-Expanded)

LXVI. **Towards near-infrared photosensitisation: a photosensitising hydrophilic non-peripherally octasulfanyl-substituted Zn phthalocyanine**
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Refereed Congress / Symposium Publications in Proceedings

I. **Transforming & Improving Phthalocyanines**
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X Mediterranean Organic Chemistry Meeting València,, Valencia, Spain, 19 - 21 October 2022

II. **Phthalocyanines Molecules for the Nano and Biophotonic Rainbow**
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III. **Phthalocyanines-based systems for health**
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Activities in Scientific Journals

RSC ADVANCES, Committee Member, 2022 - Continues
Journal Of Porphyrins And Phthalocyanines, Editor, 2018 - Continues
RSC Advances, Editor, 2015 - Continues

Memberships / Tasks in Scientific Organizations

European Society for Photobiology, Member of Science Committee, 2021 - Continues, Italy
International Photodynamic Association, Member, 2017 - Continues, United States Of America
Royal Society of Chemistry, Associate Member, 2016 - Continues, England
European Society for Photobiology, Member, 2011 - Continues, Italy
Society of Porphyrins and Phthalocyanines, Member, 2008 - Continues, France

Scientific Refereeing

ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, Journal Indexed in SSCI, December 2021
DALTON TRANSACTIONS, Journal Indexed in SSCI, November 2021
RSC MEDICINAL CHEMISTRY, Journal Indexed in SSCI, November 2021
CHEMICAL COMMUNICATIONS, Journal Indexed in SSCI, November 2021
PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES, Journal Indexed in SSCI, November 2021
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NEW JOURNAL OF CHEMISTRY, Journal Indexed in SSCI, August 2021
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NANOSCALE, Journal Indexed in SSCI, June 2021
NANOPHOTONICS, Journal Indexed in SSCI, May 2021
DALTON TRANSACTIONS, Journal Indexed in SSCI, May 2021
TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SSCI, May 2021
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CHEMMEDCHEM, Journal Indexed in SSCI, April 2021
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DYES AND PIGMENTS, Journal Indexed in SSCI, February 2021

ACS MEDICINAL CHEMISTRY LETTERS, Journal Indexed in SSCI, February 2021
DRUG DELIVERY AND TRANSLATIONAL RESEARCH, Journal Indexed in SSCI, February 2021
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EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, Journal Indexed in SSCI, January 2021
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, Journal Indexed in SSCI, January 2021

Tasks In Event Organizations

Dumoulın F., 18th International Photodynamic Association World Congress - IPA 2023, Scientific Congress, Finland, Temmuz 2023
Dumoulın F., X Mediterranean Organic Chemistry Meeting - X REQOMED, Scientific Congress, Turkey, Ekim 2022
Dumoulın F., 19th Congress of the European Society for Photobiology (ESP), Scientific Congress, Austria, Eylül 2021
Dumoulın F., ICPP-11 / Symp 34. Porphyrinoids-based nanoparticles for health, Scientific Congress, New York, United States Of America, Temmuz 2021
Dumoulın F., Yukselen G., The 5th Photodynamic Day, Scientific Congress, Turkey, Mayıs 2021

Metrics

Publication: 110
Citation (WoS): 2418
Citation (Scopus): 2546
H-Index (WoS): 25
H-Index (Scopus): 25

Congress and Symposium Activities

RSC Advances Editorial Board meeting, Invited Speaker, London, England, 2022
COST Connect, Attendee, Brussels, Belgium, 2022
Horizon Europe MSCA-ITN Polythea meeting, Panelists, Brussels, Belgium, 2022

Awards

Dumoulın F., "2024 - Eşik Üstü Ödülü" Programı, Tübitak, June 2022
Dumoulın F., Research Incentive Award, Mustafa Parlar Vakfı, May 2016
Dumoulın F., Genç Bilim Insanları Ödülü, Bilim Akademisi, April 2016
Dumoulin F., GEBİP, Türkiye Bilimler Akademisi, July 2015