# Mathias O Senge

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5968788/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 393 papers | 13,483 citations | 22153 59 h-index | 38395 95 g-index |
| 461 all docs | 461 docs citations | 461 times ranked | 10092 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nonlinear Optical Properties of Porphyrins. Advanced Materials, 2007, 19, 2737-2774. | 21.0 | 751 |
| 2 | Nonplanar distortion modes for highly substituted porphyrins. Journal of the American Chemical Society, 1992, 114, 9859-9869. | 13.7 | 341 |
| 3 | Nanodrug applications in photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2011, 8, 14-29. | 2.6 | 303 |
| 4 | Temoporfin (Foscan<sup>Â®</sup>, 5,10,15,20â€Tetra(mâ€hydroxyphenyl)chlorin)â€"A Secondâ€generation Photosensitizer<sup>â€,â€¡</sup>. Photochemistry and Photobiology, 2011, 87, 1240-1296. | 2.5 | 263 |
| 5 | Metal dependence of the nonplanar distortion of octaalkyltetraphenylporphyrins. Journal of the American Chemical Society, 1993, 115, 581-592. | 13.7 | 256 |
| 6 | Generation of Triplet Excited States via Photoinduced Electron Transfer in meso-anthra-BODIPY: Fluorogenic Response toward Singlet Oxygen in Solution and in Vitro. Journal of the American Chemical Society, 2017, 139, 6282-6285. | 13.7 | 248 |
| 7 | Exercises in molecular gymnasticsâ€"bending, stretching and twisting porphyrins. Chemical Communications, 2006, , 243-256. | 4.1 | 244 |
| 8 | Cell death in photodynamic therapy: From oxidative stress to anti-tumor immunity. Biochimica Et Biophysica Acta: Reviews on Cancer, 2019, 1872, 188308. | 7.4 | 224 |
| 9 | Stirring the porphyrin alphabet soupâ€"functionalization reactions for porphyrins. Chemical Communications, 2011, 47, 1943. | 4.1 | 209 |
| 10 | Trends and targets in antiviral phototherapy. Photochemical and Photobiological Sciences, 2019, 18, 2565-2612. | 2.9 | 201 |
| 11 | Chlorophylls, Symmetry, Chirality, and Photosynthesis. Symmetry, 2014, 6, 781-843. | 2.2 | 169 |
| 12 | Conformational control of cofactors in nature â€“ the influence of protein-induced macrocycle distortion on the biological function of tetrapyrroles. Chemical Communications, 2015, 51, 17031-17063. | 4.1 | 169 |
| 13 | Nucleophilic Substitution as a Tool for the Synthesis of Unsymmetrical Porphyrins. Accounts of Chemical Research, 2005, 38, 733-743. | 15.6 | 152 |
| 14 | Nonconjugated Hydrocarbons as Rigidâ€Linear Motifs: Isosteres for Material Sciences and Bioorganic and Medicinal Chemistry. Chemistry - A European Journal, 2019, 25, 4590-4647. | 3.3 | 150 |
| 15 | Rational tetraarylporphyrin syntheses: tetraarylporphyrins from the MacDonald route. Journal of Organic Chemistry, 1993, 58, 7245-7257. | 3.2 | 131 |
| 16 | Synthesis of mesoâ€Substituted ABCDâ€Type Porphyrins by Functionalization Reactions. European Journal of Organic Chemistry, 2010, 2010, 237-258. | 2.4 | 123 |
| 17 | New trends in photobiology. Journal of Photochemistry and Photobiology B: Biology, 1992, 16, 3-36. | 3.8 | 119 |
| 18 | 5,15â€A<sub>2</sub>B<sub>2</sub>â€and 5,15â€A<sub>2</sub>BCâ€Type Porphyrins with Donor and Acceptor Groups for Use in Nonlinear Optics and Photodynamic Therapy. European Journal of Organic Chemistry, 2011, 2011, 5797-5816. | 2.4 | 117 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The good, the bad, and the uglyâ€“controlling singlet oxygen through design of photosensitizers and delivery systems for photodynamic therapy. Photochemical and Photobiological Sciences, 2018, 17, 1490-1514. | 2.9 | 116 |
| 20 | The shape of porphyrins. Coordination Chemistry Reviews, 2021, 431, 213760. | 18.8 | 116 |
| 21 | Lead structures for applications in photodynamic therapy. Part 1: Synthesis and variation of m-THPC (Temoporfin) related amphiphilic A2BC-type porphyrins. Tetrahedron, 2005, 61, 5535-5564. | 1.9 | 105 |
| 22 | 5,10,15,20-Tetra-tert-butylporphyrin and Its Remarkable Reactivity in the 5- and 15-Positions. Angewandte Chemie International Edition in English, 1994, 33, 1879-1881. | 4.4 | 104 |
| 23 | Stepwise Syntheses of Bisporphyrins, Bischlorins, and Biscorroles, and of Porphyrinâ^'Chlorin and Porphyrinâ^'Corrole Heterodimers. Journal of the American Chemical Society, 1996, 118, 3869-3882. | 13.7 | 102 |
| 24 | mTHPC â€“ A drug on its way from second to third generation photosensitizer?. Photodiagnosis and Photodynamic Therapy, 2012, 9, 170-179. | 2.6 | 101 |
| 25 | Classic highlights in porphyrin and porphyrinoid total synthesis and biosynthesis. Chemical Society Reviews, 2021, 50, 4730-4789. | 38.1 | 101 |
| 26 | Comparative Analysis of the Conformations of Symmetrically and Asymmetrically Deca- and Undecasubstituted Porphyrins Bearing Meso-Alkyl or -Aryl Groups. Inorganic Chemistry, 1997, 36, 1149-1163. | 4.0 | 99 |
| 27 | The Reaction of Porphyrins with Organolithium Reagents. Chemistry - A European Journal, 2000, 6, 2721-2738. | 3.3 | 96 |
| 28 | Control of triplet state generation in heavy atom-free BODIPYâ€“anthracene dyads by media polarity and structural factors. Physical Chemistry Chemical Physics, 2018, 20, 8016-8031. | 2.8 | 96 |
| 29 | Synthesis and Structural Characterization of Nonplanar Tetraphenylporphyrins and Their Metal Complexes with Graded Degrees of Î²-Ethyl Substitution. Inorganic Chemistry, 1997, 36, 6103-6116. | 4.0 | 95 |
| 30 | How green is green chemistry? Chlorophylls as a bioresource from biorefineries and their commercial potential in medicine and photovoltaics. Photochemical and Photobiological Sciences, 2015, 14, 638-660. | 2.9 | 91 |
| 31 | Synthesis of Mono- and Disubstituted Porphyrins: A- and 5,10-A2-Type Systems. Chemistry - A European Journal, 2005, 11, 3427-3442. | 3.3 | 86 |
| 32 | Drug Discovery Approaches Utilizing Three-Dimensional Cell Culture. Assay and Drug Development Technologies, 2016, 14, 19-28. | 1.2 | 85 |
| 33 | Sterically Strained Porphyrinsâ€"Influence of Core Protonation and Peripheral Substitution on the Conformation of Tetra-meso-, Octa-Î²-, and Dodeca-Substituted Porphyrin Dications. Angewandte Chemie International Edition in English, 1995, 33, 2485-2487. | 4.4 | 82 |
| 34 | Regioselective reaction of 5,15-disubstituted porphyrins with organolithium reagentsâ€"synthetic access to 5,10,15-trisubstituted porphyrins and directly meso-meso-linked bisporphyrins. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 3615-3621. | 1.3 | 82 |
| 35 | Conformational control of nonplanar free base porphyrins: towards bifunctional catalysts of tunable basicity. Chemical Communications, 2018, 54, 26-29. | 4.1 | 80 |
| 36 | Synthesis, Reactivity and Structural Chemistry of 5,10,15,20-Tetraalkylporphyrins. Journal of Porphyrins and Phthalocyanines, 1999, 03, 99-116. | 0.8 | 79 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Correlation of photophysical parameters with macrocycle distortion in porphyrins with graded degree of saddle distortion. Photochemical and Photobiological Sciences, 2010, 9, 1152-1158. | 2.9 | 78 |
| 38 | New palladium catalysed reactions of bromoporphyrins: synthesis and crystal structures of nickel(ii) complexes of primary 5-aminoporphyrin, 5,5â€²-bis(porphyrinyl) secondary amine, and 5-hydroxyporphyrin. Chemical Communications, 2006, , 4192-4194. | 4.1 | 77 |
| 39 | Molecular Engineering of Freeâ€Base Porphyrins as Ligandsâ€”The Nâˆ’Hâ‹…â‹…â‹…X Binding Motif in Tetrapyrroles. Angewandte Chemie - International Edition, 2019, 58, 418-441. | 13.8 | 77 |
| 40 | Facilemeso Functionalization of Porphyrins by Nucleophilic Substitution with Organolithium Reagents. Angewandte Chemie - International Edition, 1998, 37, 1107-1109. | 13.8 | 75 |
| 41 | Models for the Photosynthetic Reaction Centerâ€”Synthesis and Structure of Porphyrin Dimers withcis- andtrans-Ethene and Skewed Hydroxymethylene Bridges. Angewandte Chemie International Edition in English, 1993, 32, 750-753. | 4.4 | 74 |
| 42 | Synthesis of directly meso-meso linked bisporphyrins using organolithium reagents. Tetrahedron Letters, 1999, 40, 4165-4168. | 1.4 | 74 |
| 43 | Synthesis and Characterization of Na2{Ge(C6H3-2,6-Trip2)}2 and K2{Sn(C6H3-2,6-Trip2)}2 (Trip =) Tj ETQq1 1 0.784314 rgBT /Overlo Chemical Society, 1998, 120, 12682-12683. | 13.7 | 72 |
| 44 | On the Correlation Between Hydrophobicity, Liposome Binding and Cellular Uptake of Porphyrin Sensitizers. Photochemistry and Photobiology, 2006, 82, 695. | 2.5 | 72 |
| 45 | A planar dodecasubstituted porphyrin. Inorganic Chemistry, 1993, 32, 1716-1723. | 4.0 | 69 |
| 46 | Models for the Photosynthetic Reaction Center: Preparation, Spectroscopy, and Crystal and Molecular Structures of Cofacial Bisporphyrins Linked by cis-1,2- and trans-1,2-Ethene Bridges and of 1,1-Carbinol-Bridged Bisporphyrins. Inorganic Chemistry, 1994, 33, 5625-5638. | 4.0 | 69 |
| 47 | Pinacolâˆ’Pinacolone Rearrangements invic-Dihydroxychlorins and Bacteriochlorins:Â Effect of Substituents at the Peripheral Positions. Journal of Organic Chemistry, 1997, 62, 1463-1472. | 3.2 | 68 |
| 48 | Molecular Engineering of Nonplanar Porphyrin and Carbon Nanotube Assemblies: A Linear and Nonlinear Spectroscopic and Modeling Study. Journal of Nanotechnology, 2011, 2011, 1-12. | 3.4 | 67 |
| 49 | Immunoliposomes. Current Medicinal Chemistry, 2012, 19, 5239-5277. | 2.4 | 67 |
| 50 | Glycosidase activated release of fluorescent 1,8-naphthalimide probes for tumor cell imaging from glycosylated â€˜pro-probesâ€™. Chemical Communications, 2016, 52, 13086-13089. | 4.1 | 67 |
| 51 | BODIPYâ€Pyrene and Perylene Dyads as Heavyâ€Atomâ€Free Singlet Oxygen Sensitizers. ChemPhotoChem, 2018, 2, 606-615. | 3.0 | 66 |
| 52 | Simple Methodology for Syntheses of Porphyrins Possessing Multiple Peripheral Substituents with an Element of Symmetry. Journal of Organic Chemistry, 1996, 61, 998-1003. | 3.2 | 65 |
| 53 | Electronic structure of Ni(II) porphyrins and phthalocyanine studied by soft X-ray absorption spectroscopy. Chemical Physics, 2007, 332, 318-324. | 1.9 | 65 |
| 54 | Oxasmaragdyrinâ€“Ferrocene and Oxacorroleâ€“Ferrocene Conjugates: Synthesis, Structure, and Nonlinear Optical Properties. Chemistry - A European Journal, 2004, 10, 1423-1432. | 3.3 | 64 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Porphyrin Dimers and Arrays. European Journal of Organic Chemistry, 2011, 2011, 5817-5844. | 2.4 | 64 |
| 56 | Synthesis and Biological Evaluation of a Library of Glycoporphyrin Compounds. Chemistry - A European Journal, 2012, 18, 14671-14679. | 3.3 | 64 |
| 57 | Tetracoordinated Manganese(III) Alkylcorrolates. Spectroscopic Studies and the Crystal and Molecular Structure of (7,13-Dimethyl-2,3,8,12,17,18-hexaethylcorrolato)manganese(III). Inorganic Chemistry, 1997, 36, 1564-1570. | 4.0 | 63 |
| 58 | A Conformational Study of 5,10,15,20-Tetraalkyl-22H<sup>+</sup>,24H<sup>+</sup>-porphyrindiium Salts (Dication Salts). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2000, 55, 336-344. | 0.7 | 63 |
| 59 | Resonance Raman spectroscopy of non-planar nickel porphyrins. Journal of Raman Spectroscopy, 1992, 23, 523-529. | 2.5 | 62 |
| 60 | Molecular structure of (5,10,15,20-tetrabutyl-2,3,7,8,12,13,17,18-octaethylporphyrinato)nickel(II)â€”correlation of nonplanarity with frontier orbital shiftsâ€Šâ€. Dalton Transactions RSC, 2000, , 381-385. | 2.3 | 61 |
| 61 | Impact of Substituents and Nonplanarity on Nickel and Copper Porphyrin Electrochemistry: First Observation of a Cu<sup>II</sup>/Cu<sup>III</sup> Reaction in Nonaqueous Media. Inorganic Chemistry, 2014, 53, 10772-10778. | 4.0 | 57 |
| 62 | Regioselective Synthesis of Conformationally Designed Porphyrins with Mixedmeso-Substituent Types and Distortion Modes. European Journal of Organic Chemistry, 2001, 2001, 1735-1751. | 2.4 | 55 |
| 63 | Determination of structure and properties of modified chlorophylls by using fast atom bombardment combined with tandem mass spectrometry. Journal of the American Society for Mass Spectrometry, 1990, 1, 72-84. | 2.8 | 53 |
| 64 | Sensitive fluorescence on-off probes for the fast detection of a chemical warfare agent mimic. Journal of Hazardous Materials, 2018, 342, 10-19. | 12.4 | 53 |
| 65 | Synthetic transformations of porphyrins â€“ Advances 2002-2004. Journal of Porphyrins and Phthalocyanines, 2004, 08, 934-953. | 0.8 | 52 |
| 66 | Synthetic access to 5,10-disubstituted porphyrins. Tetrahedron Letters, 2003, 44, 157-160. | 1.4 | 51 |
| 67 | Formation of extended covalently bonded Ni porphyrin networks on the Au(111) surface. Nano Research, 2011, 4, 376-384. | 10.4 | 51 |
| 68 | Synthesis and Characterization of Temperature-Sensitive and Chemically Cross-Linked Poly(N-isopropylacrylamide)/Photosensitizer Hydrogels for Applications in Photodynamic Therapy. Biomacromolecules, 2018, 19, 1592-1601. | 5.4 | 51 |
| 69 | Crystal structure of a remarkably ruffled nonplanar porphyrin (pyridine)[5,10,15,20-tetra(tert-butyl)porphyrinato]zinc(II). Journal of the Chemical Society Chemical Communications, 1995, , 733. | 2.0 | 50 |
| 70 | A2B2-type pushâ€“pull porphyrins as reverse saturable and saturable absorbers. Chemical Communications, 2007, , 2166-2168. | 4.1 | 50 |
| 71 | Extroverted Confusionâ€”Linus Pauling, Melvin Calvin, and Porphyrin Isomers. Angewandte Chemie - International Edition, 2011, 50, 4272-4277. | 13.8 | 50 |
| 72 | Ligand-Targeted Delivery of Photosensitizers for Cancer Treatment. Molecules, 2020, 25, 5317. | 3.8 | 50 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Chemical Synthesis and Medicinal Applications of Glycoporphyrins. Current Medicinal Chemistry, 2015, 22, 2238-2348. | 2.4 | 50 |
| 74 | Studying the intersystem crossing rate and triplet quantum yield of meso-substituted porphyrins by means of pulse train fluorescence technique. Journal of Porphyrins and Phthalocyanines, 2016, 20, 282-291. | 0.8 | 49 |
| 75 | A Practical Synthesis of Meso-monosubstituted, Î²-Unsubstituted Porphyrins. Organic Letters, 2002, 4, 3807-3809. | 4.6 | 48 |
| 76 | Identification of Stable Porphomethenes and Porphodimethenes from the Reaction of Sterically Hindered Aldehydes with Pyrrole. Tetrahedron, 2000, 56, 8927-8932. | 1.9 | 47 |
| 77 | Mechanistic Studies on the Nucleophilic Reaction of Porphyrins with Organolithium Reagents. Journal of Organic Chemistry, 2001, 66, 8693-8700. | 3.2 | 47 |
| 78 | Synthesis and Characterization of the Strontium Thiolate Sr(SMes*)2(THF)4.cntdot.2THF (Mes* =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Inorganic Chemistry, 1995, 34, 2587-2592. | 4.0 | 46 |
| 79 | Electron donorâ€“acceptor compounds: exploiting the triptycene geometry for the synthesis of porphyrin quinone diads, triads, and a tetrad. Tetrahedron, 2001, 57, 10089-10110. | 1.9 | 46 |
| 80 | Lead structures for applications in photodynamic therapy. Part 2: Synthetic studies for photo-triggered release systems of bioconjugate porphyrin photosensitizers. Tetrahedron, 2009, 65, 7064-7078. | 1.9 | 46 |
| 81 | Efficient Synthesis of Glycoporphyrins by Microwaveâ€Mediated â€œClickâ€•Reactions. European Journal of Organic Chemistry, 2010, 2010, 1026-1028. | 2.4 | 46 |
| 82 | Highly Efficient One-Dimensional Triplet Exciton Transport in a Palladiumâ€“Porphyrin-Based Surface-Anchored Metalâ€“Organic Framework. ACS Applied Materials & Interfaces, 2019, 11, 15688-15697. | 8.0 | 46 |
| 83 | Functionalization of Corroles:Â Formylcorroles. Journal of Organic Chemistry, 1997, 62, 6193-6198. | 3.2 | 45 |
| 84 | Porphyrins as Colorimetric and Photometric Biosensors in Modern Bioanalytical Systems. ChemBioChem, 2020, 21, 1793-1807. | 2.6 | 45 |
| 85 | Synthesis and Stereochemistry of Highly Unsymmetric Î²,Meso-Linked Porphyrin Arrays. Journal of Organic Chemistry, 2009, 74, 8005-8020. | 3.2 | 44 |
| 86 | Porphyrins in troubled times: a spotlight on porphyrins and their metal complexes for explosives testing and CBRN defense. New Journal of Chemistry, 2018, 42, 7529-7550. | 2.8 | 44 |
| 87 | In vitro cytotoxicity of a library of BODIPY-anthracene and -pyrene dyads for application in photodynamic therapy. Photochemical and Photobiological Sciences, 2019, 18, 495-504. | 2.9 | 44 |
| 88 | Notes: Structure and Conformation of Photosynthetic Pigments and Related Compounds 3. Crystal Structure of Î²-Carotene. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1992, 47, 474-476. | 1.4 | 43 |
| 89 | An efficient synthesis of highly functionalized asymmetric porphyrins with organolithium reagents. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1030-1038. | 1.3 | 43 |
| 90 | Influence of substitutions on asymmetric dihydroxychlorins with regard to intracellular uptake, subcellular localization and photosensitization of Jurkat cells. Journal of Photochemistry and Photobiology B: Biology, 2005, 78, 17-28. | 3.8 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Metamorphosis of Tetrapyrrole Macrocycles. Angewandte Chemie - International Edition, 2006, 45, 7492-7495. | 13.8 | 43 |
| 92 | Modeling of Nonlinear Absorption of 5,10-A<sub>2</sub>B<sub>2</sub> Porphyrins in the Nanosecond Regime. Journal of Physical Chemistry A, 2013, 117, 15-26. | 2.5 | 43 |
| 93 | Conformational Study of 2,3,5,7,8,12,13,15,17,18-Decaalkylporphyrins. Inorganic Chemistry, 1994, 33, 3865-3872. | 4.0 | 42 |
| 94 | Porphyrin (porphine) â€" A neglected parent compound with potential. Journal of Porphyrins and Phthalocyanines, 2010, 14, 557-567. | 0.8 | 42 |
| 95 | Evidence for the formation of an intermediate complex in the direct metalation of tetra(4-bromophenyl)-porphyrin on the Cu(111) surface. Chemical Communications, 2011, 47, 12134. | 4.1 | 42 |
| 96 | Platinum(II) Ring-Fused Chlorins as Near-Infrared Emitting Oxygen Sensors and Photodynamic Agents. ACS Medicinal Chemistry Letters, 2017, 8, 310-315. | 2.8 | 42 |
| 97 | Hydrogels: soft matters in photomedicine. Photochemical and Photobiological Sciences, 2019, 18, 2613-2656. | 2.9 | 42 |
| 98 | Planar Bischlorophyll Derivatives with a Completely Conjugatedï€-System: Model Compounds for the Special Pair in Photosynthesis. Angewandte Chemie International Edition in English, 1996, 35, 1840-1842. | 4.4 | 41 |
| 99 | Non-planar porphyrins with mixed substituent pattern: bromination and formylation of ethyl-substituted tetraphenylporphyrins and tetraalkylporphyrins. Journal of the Chemical Society Dalton Transactions, 1998, , 4187-4200. | 1.1 | 41 |
| 100 | One-pot Synthesis of Functionalized Asymmetric 5,10,15,20-Substituted Porphyrins from 5,15-Diaryl- or -Dialkyl-porphyrins. Tetrahedron, 2000, 56, 587-590. | 1.9 | 41 |
| 101 | Syntheses and Spectroscopic Studies of Novel Chlorins with Fused Quinoxaline or Benzimidazole Ring Systems and the Related Dimers with Extended Conjugation. Tetrahedron, 2000, 56, 3353-3364. | 1.9 | 40 |
| 102 | One-pot synthesis of functionalized, highly substituted porphodimethenes. Tetrahedron, 2001, 57, 5573-5583. | 1.9 | 40 |
| 103 | Synthesis of Ferrocenyl Porphyrins via Suzuki Coupling and Their Photophysical Properties. Organometallics, 2011, 30, 3225-3228. | 2.3 | 40 |
| 104 | RECENT ADVANCES IN THE BIOSYNTHESIS AND CHEMISTRY OF THE CHLOROPHYLLS. Photochemistry and Photobiology, 1993, 57, 189-206. | 2.5 | 39 |
| 105 | Conformationally distorted chlorins via diimide reduction of nonplanar porphyrins. Tetrahedron, 1998, 54, 3781-3798. | 1.9 | 38 |
| 106 | Hydrophilicity vs hydrophobicity â€" varying the amphiphilic structure of porphyrins related to the photosensitizer m-THPC. Journal of Porphyrins and Phthalocyanines, 2001, 05, 758-761. | 0.8 | 38 |
| 107 | Cubane Crossâ€Coupling and Cubaneâ€"Porphyrin Arrays. Chemistry - A European Journal, 2018, 24, 1026-1030. | 3.3 | 38 |
| 108 | Aggregation properties of nitroporphyrins: comparisons between solid-state and solution structures. Inorganic Chemistry, 1993, 32, 3134-3142. | 4.0 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Oneâ€Step Synthesis of Functionalized Triptyceneâ€quinones as Acceptors for Electronâ€Transfer Compounds. Liebigs Annalen, 1997, 1997, 1951-1963. | 0.8 | 37 |
| 110 | Synthetic transformations of porphyrins â€“ Advances 2004-2007. Journal of Porphyrins and Phthalocyanines, 2008, 12, 1053-1077. | 0.8 | 37 |
| 111 | Structure and Conformation of Tetra-meso-, Octa-Î²-, and Dodecasubstituted 22,24-Dihydroporphyrins (Porphyrin Dications). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1999, 54, 943-959. | 0.7 | 36 |
| 112 | The Dithianyl Group as a Synthon in Porphyrin Chemistry:Â Condensation Reactions and Preparation of Formylporphyrins under Basic Conditions. Journal of the American Chemical Society, 2004, 126, 13634-13635. | 13.7 | 36 |
| 113 | Fluorescent imidazole-based chemosensors for the reversible detection of cyanide and mercury ions. Photochemical and Photobiological Sciences, 2018, 17, 1450-1461. | 2.9 | 36 |
| 114 | Synthesis and Structural Characterization of Lithium Thiolates:Â Dependence of Association and Aggregation on Donor Hapticity and Ligand Size and Synthesis of the First Trimeric Lithium Thiolate [Li(THF)SR]3and the Solvent-Separated Ion Pair [Li(12-crown-4)2][SR] (R = 2,4,6-tBu3C6H2)1. Inorganic Chemistry, 1996, 35, 5820-5827. | 4.0 | 35 |
| 115 | Sterically induced distortions of nickel(II) porphyrins â€“ Comprehensive investigation by DFT calculations and resonance Raman spectroscopy. Coordination Chemistry Reviews, 2018, 360, 1-16. | 18.8 | 35 |
| 116 | Dipyrrinatoâ€iridium(III) Complexes for Application in Photodynamic Therapy and Antimicrobial Photodynamic Inactivation. Chemistry - A European Journal, 2021, 27, 6440-6459. | 3.3 | 35 |
| 117 | Ï€-Pyrroleâ€“Metal Complexesâ€”The Missing Coordination Mode for Metalâ€“Porphyrin Interactions. Angewandte Chemie International Edition in English, 1996, 35, 1923-1925. | 4.4 | 34 |
| 118 | PDT-related photophysical properties of conformationally distorted palladium(II) porphyrins. Journal of Porphyrins and Phthalocyanines, 2001, 05, 853-860. | 0.8 | 34 |
| 119 | The mesoâ€“Î²-linkage as structural motif in porphyrin-based donorâ€“acceptor compounds. Tetrahedron Letters, 2004, 45, 3363-3367. | 1.4 | 34 |
| 120 | Interplay of Axial Ligation, Hydrogen Bonding, Self-Assembly, and Conformational Landscapes in High-Spin Ni(II) Porphyrins. Journal of Physical Chemistry B, 2004, 108, 2173-2180. | 2.6 | 34 |
| 121 | Carbazole-linked porphyrin dimers for organic light emitting diodes: synthesis and initial photophysical studies. Tetrahedron, 2011, 67, 8248-8254. | 1.9 | 34 |
| 122 | From thioether substituted porphyrins to sulfur linked porphyrin dimers: an unusual SNAr via thiolate displacement?. Chemical Communications, 2014, 50, 353-355. | 4.1 | 34 |
| 123 | The Red Color of Life Transformed â€“ Synthetic Advances and Emerging Applications of Protoporphyrin IX in Chemical Biology. European Journal of Organic Chemistry, 2020, 2020, 3171-3191. | 2.4 | 34 |
| 124 | Platelets, photosensitizers, and PDT. Photodiagnosis and Photodynamic Therapy, 2013, 10, 1-16. | 2.6 | 33 |
| 125 | Syntheses, characterization, and structural chemistry of biladien-ac-10-one and -bc-5-one metal complexes with 4N or (3N + O) co-ordination. Journal of the Chemical Society Dalton Transactions, 1996, , 3937. | 1.1 | 32 |
| 126 | Synthesis and structural characterization of nonplanar tetraphenylporphyrins with graded degree of Î²-ethyl substitution. Tetrahedron Letters, 1996, 37, 1183-1186. | 1.4 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | An x-ray absorption and photoemission study of the electronic structure of Ni porphyrins and Ni N-confused porphyrin. Journal of Physics Condensed Matter, 2008, 20, 235207. | 1.8 | 32 |
| 128 | Structure and Conformation of Photosynthetic Pigments and Related Compounds. 12. A Crystallographic Analysis of Porphyrin-quinones and Their Precursors. Photochemistry and Photobiology, 1999, 70, 206-216. | 2.5 | 31 |
| 129 | Niâ€“Cu ion exchange observed for Ni(ii)â€“porphyrins on Cu(111). Chemical Communications, 2014, 50, 3447. | 4.1 | 31 |
| 130 | Molecular devices based on reversible singlet oxygen binding in optical and photomedical applications. Molecular Systems Design and Engineering, 2016, 1, 258-272. | 3.4 | 31 |
| 131 | Conformational Reâ€engineering of Porphyrins as Receptors with Switchable Nâ^'Hâ‹…â‹…â‹…Xâ€Type Binding Modes. Angewandte Chemie - International Edition, 2019, 58, 16553-16557. | 13.8 | 31 |
| 132 | Targeting Receptor Tyrosine Kinase VEGFR-2 in Hepatocellular Cancer: Rational Design, Synthesis and Biological Evaluation of 1,2-Disubstituted Benzimidazoles. Molecules, 2020, 25, 770. | 3.8 | 31 |
| 133 | Correlation studies on structurally diverse porphyrin monomers, dimers and trimers and their nonlinear optical responses. Chemical Physics Letters, 2009, 477, 330-335. | 2.6 | 30 |
| 134 | meso-iodo- andmeso-iodovinylporphyrins via organopalladium porphyrins and the crystal structure of 5-iodo-10,20-diphenylporphyrin. Journal of Porphyrins and Phthalocyanines, 2006, 10, 176-185. | 0.8 | 29 |
| 135 | Nonlinear absorption properties of 5,10-A2B2porphyrinsâ€"correlation of molecular structure with the nonlinear responses. Photochemical and Photobiological Sciences, 2013, 12, 996-1007. | 2.9 | 29 |
| 136 | Synthesis of a Family of Highly Substituted Porphyrin Thioethers via Nitro Displacement in 2,3,7,8,12,13,17,18-Octaethyl-5,10,15,20-tetranitroporphyrin. Journal of Organic Chemistry, 2017, 82, 5122-5134. | 3.2 | 29 |
| 137 | Graphene Oxide Functionalized with Cationic Porphyrins as Materials for the Photodegradation of Rhodamine B. Journal of Physical Chemistry C, 2020, 124, 15769-15780. | 3.1 | 29 |
| 138 | AGGREGATION OF MONOVINYL- and DIVINYL-PROTOCHLOROPHYLLIDE IN ORGANICSOLVENTS. Photochemistry and Photobiology, 1990, 52, 95-101. | 2.5 | 28 |
| 139 | Core-Modified Hexaphyrins; Characterization of Two- and Four-Ring Inverted 26 Ï€ Aromatic Macrocycles. Organic Letters, 2003, 5, 3531-3533. | 4.6 | 28 |
| 140 | Exploration of mesoâ€Substituted Formylporphyrins and Their Grignard and Wittig Reactions. European Journal of Organic Chemistry, 2007, 2007, 3833-3848. | 2.4 | 28 |
| 141 | Synthesis and Functionalization of Triply Fused Porphyrin Dimers. European Journal of Organic Chemistry, 2013, 2013, 3700-3711. | 2.4 | 28 |
| 142 | Micro- or nanorod and nanosphere structures derived from a series of phenyl-porphyrins. Physical Chemistry Chemical Physics, 2014, 16, 4386-4393. | 2.8 | 28 |
| 143 | Novel Structural Principles in Magnesium Thiolate Chemistry:Â Monomers, Trimers, and the First Magnesiate Thiolate. Organometallics, 1998, 17, 3077-3086. | 2.3 | 27 |
| 144 | Highly Strained Tertiary sp<sup>3</sup> Scaffolds: Synthesis of Functionalized Cubanes and Exploration of Their Reactivity under Pd(II) Catalysis. Organometallics, 2015, 34, 1408-1414. | 2.3 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | STRUCTURE and CONFORMATION OF PHOTOSYNTHETIC PIGMENTS and RELATED COMPOUNDS. 2. NICKEL (II) METHYL PYROPHEOPHORBIDE aâ€“A SEVERELY ISTORTED CHLOROPHYLL DERIVATIVE. Photochemistry and Photobiology, 1991, 54, 841-846. | 2.5 | 26 |
| 146 | Synthesis of Stannyl Porphyrins and Porphyrin Dimers via Stille Coupling and Their 119Sn NMR and Fluorescence Properties. Journal of Organic Chemistry, 2009, 74, 7140-7147. | 3.2 | 26 |
| 147 | Synthetic Advances in the Câ€“H Activation of Rigid Scaffold Molecules. Synthesis, 2020, 52, 3295-3325. | 2.3 | 26 |
| 148 | Axial coordination phenomena in highly substituted porphyrins. Crystal structure of the polymeric (2,3,7,8,12,13,17,18-octaethyl-5,10,15,20-tetranitroporphyrinato)zinc(II), [{Zn(oetnp)} n ]. Journal of the Chemical Society Chemical Communications, 1994, , 923. | 2.0 | 25 |
| 149 | Self-Assembling Covalently Linked Supramolecular Arrays of Defined Structure: The Remarkable Redox Reactivity of 15-meso-Substituted 5-Oxyporphyrins. Angewandte Chemie International Edition in English, 1996, 35, 2496-2499. | 4.4 | 25 |
| 150 | Nâ€Methyl Derivatives of Highly Substituted Porphyrins â€“ the Combined Influence of Both Core and Peripheral Substitution on the Porphyrin Conformation. Liebigs Annalen, 1997, 1997, 1345-1352. | 0.8 | 25 |
| 151 | Structural Diversity in Rubyrins: X-ray Structural Characterisation of Planar and Inverted Rubyrins. European Journal of Organic Chemistry, 2000, 2000, 2357-2360. | 2.4 | 25 |
| 152 | SNAr reactions of Î²-substituted porphyrins and the synthesis of meso substituted tetrabenzoporphyrins. Tetrahedron Letters, 2004, 45, 1647-1650. | 1.4 | 25 |
| 153 | Synthesis, reactivity and structural chemistry of 5,10,15,20â€tetraalkylporphyrins. Journal of Porphyrins and Phthalocyanines, 1999, 3, 99-116. | 0.8 | 25 |
| 154 | Synthesis and characterization of halogeno- and pseudo-halogeno-thallium(III) porphyrin complexes. Variation of the co-ordination geometry as a function of the axial ligand. Journal of the Chemical Society Dalton Transactions, 1993, , 3519. | 1.1 | 24 |
| 155 | One-pot synthesis of regiochemically pure porphyrins from two different pyrroles. Tetrahedron Letters, 1994, 35, 7581-7584. | 1.4 | 24 |
| 156 | Transferrin conjugation does not increase the efficiency of liposomal Foscan during in vitro photodynamic therapy of oesophageal cancer. European Journal of Pharmaceutical Sciences, 2013, 48, 202-210. | 4.0 | 24 |
| 157 | The Janus-faced chromophore: a donorâ€“acceptor dyad with dual performance in photon up-conversion. Chemical Communications, 2018, 54, 1607-1610. | 4.1 | 24 |
| 158 | Nucleophilic Aromatic Substitution (S<sub>N</sub>Ar) and Related Reactions of Porphyrinoids: Mechanistic and Regiochemical Aspects. European Journal of Organic Chemistry, 2021, 2021, 7-42. | 2.4 | 24 |
| 159 | The chlorinated chlorophyll RC I, a preparation artefact. FEBS Letters, 1988, 234, 215-217. | 2.8 | 23 |
| 160 | Axial Ligand Effects in Sterically Strained Porphyrins: A Crystallographic Study of Five- and Six-coordinated Metal Complexes of 2,3,7,8,12,13,17,18-Octaethyl-5,10,15,20-tetranitroporphyrin. Journal of Porphyrins and Phthalocyanines, 1998, 02, 107-121. | 0.8 | 23 |
| 161 | Synthesis and Spectroscopic Properties of Novel Benzochlorins Derived from Chlorophyll a. Journal of Organic Chemistry, 1998, 63, 1646-1656. | 3.2 | 23 |
| 162 | Reaction of Î²-formylporphyrins with organometallic reagents â€” A facile method for the preparation of porphyrins with exocyclic double bonds. Tetrahedron, 1999, 55, 10375-10390. | 1.9 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Synthesis, Reactivity and Structure of Chlorophylls. , 2006, , 27-37. | | 23 |
| 164 | Synthesis of hydroporphyrins based on comparative studies of palladium-catalyzed and non-catalyzed approaches. Tetrahedron, 2007, 63, 12454-12464. | 1.9 | 23 |
| 165 | Synthesis and evaluation of the europiumIII and zincII complexes as luminescent bioprobes in high content cell-imaging analysis. Journal of Inorganic Biochemistry, 2011, 105, 1589-1595. | 3.5 | 23 |
| 166 | Nucleophilic Aromatic Substitution on Pentafluorophenylâ€Substituted Dipyrranes and Tetrapyrroles as a Route to Multifunctionalized Chromophores for Potential Application in Photodynamic Therapy. Chemistry - A European Journal, 2016, 22, 13953-13964. | 3.3 | 23 |
| 167 | Development of Antimicrobial Laser-Induced Photodynamic Therapy Based on Ethylcellulose/Chitosan Nanocomposite with 5,10,15,20-Tetrakis(m-Hydroxyphenyl)porphyrin. Molecules, 2021, 26, 3551. | 3.8 | 23 |
| 168 | Self-assembled rows of Ni porphyrin dimers on the Ag(111) surface. Physical Chemistry Chemical Physics, 2010, 12, 6666. | 2.8 | 22 |
| 169 | 5,10â€A<sub>2</sub>B<sub>2</sub>â€Type mesoâ€Substituted Porphyrinsâ€”A Unique Class of Porphyrins with a Realigned Dipole Moment. Chemistry - A European Journal, 2011, 17, 13562-13573. | 3.3 | 22 |
| 170 | Nonplanar Porphyrins by Nâ€Substitution: A Neglected Pathway. European Journal of Organic Chemistry, 2018, 2018, 6432-6446. | 2.4 | 22 |
| 171 | Adaptation of the Photosynthetic Apparatus of Chlorella and Ankistrodesmus to Blue and Red Light. Botanica Acta, 1991, 104, 139-143. | 1.6 | 21 |
| 172 | Palladium-catalyzed reactions for the synthesis of chlorins and 5,10-porphodimethenes. Tetrahedron Letters, 2006, 47, 6169-6172. | 1.4 | 21 |
| 173 | Conversion of Ni(II)-Allylporphyrins to Î±,Î²-Unsaturated Formylporphyrins via a Nickel-Promoted Reaction. Journal of Organic Chemistry, 2007, 72, 5414-5417. | 3.2 | 21 |
| 174 | Synthetic strategies and porphyrin building blocks for unsymmetrical multichromophores. Tetrahedron Letters, 2008, 49, 2236-2239. | 1.4 | 21 |
| 175 | Modelle fÃ¼r das photosynthetische Reaktionszentrum: Synthese und Struktur von cisâ€•und transâ€Ethenverbrückten sowie gewinkelten Hydroxymethylenverbrückten Porphyrindimeren. Angewandte Chemie, 1993, 105, 745-747. | 2.0 | 20 |
| 176 | Syntheses and Some Chemistry of 1,2- and 1,1-Bis(2-pyrrolyl)ethenes. Journal of Organic Chemistry, 1996, 61, 8508-8517. | 3.2 | 20 |
| 177 | Exploration of the reaction of potassium organotrifluoroborates with porphyrins. Tetrahedron Letters, 2009, 50, 2562-2565. | 1.4 | 20 |
| 178 | Ni(II) porphine nanolines grown on a Ag(111) surface at room temperature. Nanotechnology, 2009, 20, 135301. | 2.6 | 20 |
| 179 | Control of the axial coordination of a surface-confined manganese(III) porphyrin complex. Nanotechnology, 2012, 23, 235606. | 2.6 | 20 |
| 180 | Synthesis and biological evaluation of FoscanÂ® bile acid conjugates to target esophageal cancer cells. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 2495-2499. | 2.2 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Computational Quantification of the Physicochemical Effects of Heme Distortion: Redox Control in the Reaction Center Cytochrome Subunit of Blastochloris viridis. Inorganic Chemistry, 2013, 52, 1228-1237. | 4.0 | 20 |
| 182 | Water-soluble, neutral 3,5-diformyl-BODIPY with extended fluorescence lifetime in a self-healable chitosan hydrogel. Photochemical and Photobiological Sciences, 2017, 16, 1700-1708. | 2.9 | 20 |
| 183 | Prevention of out-of-plane macrocycle distortion by thallium in the sterically strained 2,3,7,8,12,13,17,18-octaethyl-5,10,15,20-tetranitroporphyrin. Journal of the Chemical Society Dalton Transactions, 1993, , 3539. | 1.1 | 19 |
| 184 | Structure and conformation of photosynthetic pigments and related compounds. 5. Structural investigation of nickel(II) bacteriopetroporphyrins related to the bacteriochlorophylls c and d: evidence for localized conformational distortion in the c-series. Inorganic Chemistry, 1993, 32, 1259-1265. | 4.0 | 19 |
| 185 | Crystal and molecular structures of some mono-meso-substituted free base and zinc(II)octaalkylporphyrins. Zeitschrift Fur Kristallographie - Crystalline Materials, 1996, 211, 176-185. | 0.8 | 19 |
| 186 | Structural, Spectroscopic, and Anion-Binding Properties of 5,10-Porphodimethenes, An Unusual Class of Calixphyrins. Journal of Physical Chemistry A, 2010, 114, 2464-2470. | 2.5 | 19 |
| 187 | Lead Structures for Applications in Photodynamic Therapy. 6. Temoporfin Anti-Inflammatory Conjugates to Target the Tumor Microenvironment for In Vitro PDT. PLoS ONE, 2015, 10, e0125372. | 2.5 | 19 |
| 188 | Preparation of Triâ€and Hexasubstituted Triptycene Synthons by Transition Metal Catalyzed Crossâ€Coupling Reactions for Postâ€Modifications. European Journal of Organic Chemistry, 2016, 2016, 185-195. | 2.4 | 19 |
| 189 | Pre-/post-functionalization in dipyrrin metal complexes â€“ antitumor and antibacterial activity of their glycosylated derivatives. Dalton Transactions, 2018, 47, 12373-12384. | 3.3 | 19 |
| 190 | Incremental Introduction of Organocatalytic Activity into Conformationally Engineered Porphyrins. European Journal of Organic Chemistry, 2019, 2019, 2448-2452. | 2.4 | 19 |
| 191 | Quantitative Structureâ€Property Relationship Modelling for the Prediction of Singlet Oxygen Generation by Heavyâ€Atomâ€Free BODIPY Photosensitizers**. Chemistry - A European Journal, 2021, 27, 9934-9947. | 3.3 | 19 |
| 192 | Cyclohexylene-Bridged Porphyrin Quinones with Variable Acceptor Strength as Biomimetic Models for Photosynthesis:Â Evidence for Twist-Boat Conformation. Journal of Organic Chemistry, 1997, 62, 8666-8680. | 3.2 | 18 |
| 193 | Electron Donor-Acceptor Compounds. Synthesis and Structure of 5-(1,4-Benzoquinone-2-yl)-10,15,20-trialkylporphyrins. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1998, 53, 1021-1030. | 0.7 | 18 |
| 194 | Fixation o f Neutral Molecules in the Binding Cavity of Nonplanar Porphyrins - A Third Dodecaphenylporphyrin Modification with NH -Solvent Hydrogen Bonding. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1999, 54, 821-821. | 0.7 | 18 |
| 195 | Conformational control of cofactors in natureâ€”functional tetrapyrrole conformations in the photosynthetic reaction centers of purple bacteria. Chemical Communications, 2011, 47, 11621. | 4.1 | 18 |
| 196 | Bridging the Gap between Porphyrins and Porphycenes: Substituentâ€Positionâ€Sensitive Tautomerism and Photophysics in mesoâ€Diphenyloctaethylporphyrins. Chemistry - A European Journal, 2011, 17, 10039-10049. | 3.3 | 18 |
| 197 | Lead structures for applications in photodynamic therapyÂ7. Efficient synthesis of amphiphilic glycosylated lipid porphyrin derivatives: refining linker conjugation for potential PDT applications. Tetrahedron, 2015, 71, 4145-4153. | 1.9 | 18 |
| 198 | Delayed release singlet oxygen sensitizers based on pyridone-appended porphyrins. Photochemical and Photobiological Sciences, 2017, 16, 1371-1374. | 2.9 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Enhancing the photoluminescence of surface anchored metalâ€“organic frameworks: mixed linkers and efficient acceptors. Physical Chemistry Chemical Physics, 2018, 20, 11564-11576. | 2.8 | 18 |
| 200 | Functional changes in the photosynthetic apparatus during light adaptation of the green alga Chlorella fusca. Journal of Photochemistry and Photobiology B: Biology, 1990, 8, 63-71. | 3.8 | 17 |
| 201 | New Syntheses of benzoporphyrin derivatives and analogues for use in photodynamic therapy. Bioorganic and Medicinal Chemistry Letters, 1992, 2, 1575-1580. | 2.2 | 17 |
| 202 | STRUCTURE AND CONFORMATION OF PHOTOSYNTHETIC PIGMENTS AND RELATED COMPOUNDS 7. ON THE CONFORMATION OF THE METHYL ESTER OF (20-METHYLPHYTOCHLORINATO)NICKEL(II)-A BAaERIOCHLOROPHYLL c MODEL COMPOUND. Photochemistry and Photobiology, 1994, 60, 139-142. | 2.5 | 17 |
| 203 | Synthesis and crystal structures of cofacial bischlorin. Octaethylchlorin-based structural models for the special pair in photosynthesis. Chemical Communications, 1996, , 2149. | 4.1 | 17 |
| 204 | Metal-Catalyzed Oxidative Cyclizations ofa,c-Biladiene Salts Bearing 1- and/or 19-Arylmethyl Substituents:Â Macrocyclic Products and Their Chemistry. Journal of Organic Chemistry, 1997, 62, 4266-4276. | 3.2 | 17 |
| 205 | Synthesis and Crystal Structures of Cofacial Bisoctaethylchlorins as Structural Models for the Special Pair. Photochemistry and Photobiology, 1998, 67, 312-323. | 2.5 | 17 |
| 206 | Porphyrin-o-quinones as Model Systems for Electron Transfer and Catecholase Reactions. European Journal of Organic Chemistry, 2000, 2000, 2303-2314. | 2.4 | 17 |
| 207 | Self-assembly of Ni(II) porphine molecules on the Ag/Si(111)-(surd 3 imes surd 3)mathrm {R}30^{circ } surface studied by STM/STS and LEED. Journal of Physics Condensed Matter, 2008, 20, 015003. | 1.8 | 17 |
| 208 | Contribution of bacteriochlorophyll conformation to the distribution of site-energies in the FMO protein. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 427-442. | 1.0 | 17 |
| 209 | Not Your Usual Bioisostere: Solid State Study of 3D Interactions in Cubanes. Chemistry - A European Journal, 2019, 25, 6941-6954. | 3.3 | 17 |
| 210 | Structural Investigations on Mono- and Di-Acrolein Substituted Ni(II) Porphyrins and a Ni(II) Benzochlorin. Model Compounds for Photosensitizers in Photodynamic Therapy. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1992, 47, 1189-1202. | 0.7 | 16 |
| 211 | Triplet Dynamics of Conformationally Distorted Porphyrins in Isotropic Liquids and Liquid Crystals. Time-Resolved Electron Paramagnetic Resonance Study. Journal of Physical Chemistry A, 1999, 103, 1950-1957. | 2.5 | 16 |
| 212 | Triptycene as a rigid, 120Â° orienting, three-pronged, covalent scaffold for porphyrin arrays. Tetrahedron Letters, 2008, 49, 5397-5399. | 1.4 | 16 |
| 213 | Allenylporphyrins: a new motif on the porphyrin periphery. Tetrahedron Letters, 2009, 50, 2566-2569. | 1.4 | 16 |
| 214 | Synthesis and ligand binding properties of triptycene-linked porphyrin arrays. Tetrahedron, 2011, 67, 1126-1134. | 1.9 | 16 |
| 215 | N-H Hydrogen Bonding in Porphyrins - from Conformational Design to Supramolecular Chemistry. ECS Transactions, 2015, 66, 1-10. | 0.5 | 16 |
| 216 | Synthesis of Porphyrinoids, BODIPYs, and (Dipyrrinato)ruthenium(II) Complexes from Prefunctionalized Dipyrromethanes. European Journal of Organic Chemistry, 2019, 2019, 4020-4033. | 2.4 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Response of the Photosynthetic Apparatus during Adaptation of Chlorella and Ankistrodesmus to Irradiance Changes. Journal of Plant Physiology, 1990, 136, 675-679. | 3.5 | 15 |
| 218 | Structure and conformation of photosynthetic pigments and related compounds. 1. Methyl mesopyropheophorbide a. Zeitschrift FÃ¼r Kristallographie, 1992, 199, 239-248. | 1.1 | 15 |
| 219 | Chemical synthesis of a â€œGSA-pyrroleâ€•and its reaction with Ehrlich's reagent. Tetrahedron, 1993, 49, 1343-1350. | 1.9 | 15 |
| 220 | Benzoporphyrin derivatives: synthesis, structure and preliminary biological activity. Journal of the Chemical Society Perkin Transactions 1, 1994, , 961. | 0.9 | 15 |
| 221 | Anthracenylporphyrins. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 1472-1484. | 0.7 | 15 |
| 222 | Highly substituted 2,3,7,8,12,13,17,18-octaethylporphyrins with meso aryl residues. Tetrahedron, 2010, 66, 3508-3524. | 1.9 | 15 |
| 223 | Sustainable water treatment in aquaculture - photolysis and photodynamic therapy for the inactivation ofVibriospecies. Aquaculture Research, 2017, 48, 2954-2962. | 1.8 | 15 |
| 224 | Synthesis, crystal structure, and ADME prediction studies of novel imidazopyrimidines as antibacterial and cytotoxic agents. Archiv Der Pharmazie, 2020, 353, e1900271. | 4.1 | 15 |
| 225 | Synthesis of Benzoporphyrins with One or Two Meso-Substitutents via Substitution Reactions. Heterocycles, 2005, 65, 879. | 0.7 | 15 |
| 226 | Structure and conformation of photosynthetic pigments and related compounds. Part 6. The first crystal structure of a covalently-linked chlorin dimer: 20,20â€²-ethylenebis(trans-2,3,7,8,12,13,17,18-octaethylchlorin). Journal of the Chemical Society Perkin Transactions II, 1993, , 11-16. | 0.9 | 14 |
| 227 | 2,3,7,8,12,13,17,18-Octachloroporphyrin. Journal of Porphyrins and Phthalocyanines, 2001, 05, 503-506. | 0.8 | 14 |
| 228 | The Intermolecular Pausonâ€“Khand Reaction of mesoâ€Substituted Porphyrins. European Journal of Organic Chemistry, 2008, 2008, 4881-4890. | 2.4 | 14 |
| 229 | Specific Drug Formulation Additives: Revealing the Impact of Architecture and Block Length Ratio. Biomacromolecules, 2015, 16, 3308-3312. | 5.4 | 14 |
| 230 | Sequential Nucleophilic Substitution of the Î±â€Pyrrole and pâ€Aryl Positions of mesoâ€Pentafluorophenylâ€Substituted BODIPYs. European Journal of Organic Chemistry, 2017, 2017, 3187-3196. | 2.4 | 14 |
| 231 | Isomeric porphyrin phenanthrenequinones: synthesis, NMR spectroscopy, electrochemical properties, and in situ EPR/ENDOR studies of the o-semiquinone anion radicalsElectronic supplementary information (ESI) available: 1H and 13C NMR data for various phenanthrene derivatives. See http://www.rsc.org/suppdata/p2/b1/b110273g/. Perkin Transactions II RSC, 2002, , 455-462. | 1.1 | 13 |
| 232 | Simple Porphyrin Desymmetrization: 5,10,15,20â€Tetrakis(3â€hydroxyphenyl)porphyrin (mTHPP) as a Gateway Molecule for Peripheral Functionalization. European Journal of Organic Chemistry, 2014, 2014, 4283-4294. | 2.4 | 13 |
| 233 | Pdots, a new type of nanoparticle, bind to mTHPC via their lipid modified surface and exhibit very high FRET efficiency between the core and the sensitizer. Physical Chemistry Chemical Physics, 2015, 17, 11412-11422. | 2.8 | 13 |
| 234 | The characterization of an intestine-like genomic signature maintained during Barrettâ€™s-associated adenocarcinogenesis reveals an NR5A2-mediated promotion of cancer cell survival. Scientific Reports, 2016, 6, 32638. | 3.3 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Comparative Synthetic Strategies for the Generation of 5,10â€•and 5,15â€Substituted Pushâ€Pull Porphyrins. European Journal of Organic Chemistry, 2017, 2017, 3565-3583. | 2.4 | 13 |
| 236 | A hydroxamic-acid-containing nucleoside inhibits DNA repair nuclease SNM1A. Organic and Biomolecular Chemistry, 2019, 17, 8094-8105. | 2.8 | 13 |
| 237 | Functionalization of Deutero- and Protoporphyrin IX Dimethyl Esters via Palladium-Catalyzed Coupling Reactions. Journal of Organic Chemistry, 2019, 84, 6158-6173. | 3.2 | 13 |
| 238 | Biosynthesis and Structures of the Bacteriochlorophylls. , 1995, , 137-151. | | 13 |
| 239 | The role of Ï€â€“Ï€ stacking and hydrogen-bonding interactions in the assembly of a series of isostructural group IIB coordination compounds. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 178-188. | 0.5 | 13 |
| 240 | Porphyrins Like Boron After All. Angewandte Chemie - International Edition, 1998, 37, 1071-1072. | 13.8 | 12 |
| 241 | Chloro(2,3,7,8,12,13,17,18-octaethylporphyrinato)iron(III). Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m399-m400. | 0.2 | 12 |
| 242 | Conformational Landscape ofmeso-(1,3-Dithian-2-yl)porphyrins. Journal of Organic Chemistry, 2007, 72, 6224-6231. | 3.2 | 12 |
| 243 | Influence of the Core Conformation on the NH-Tautomerism in Porphyrins:â€‰ A Study of meso-(1,3-Dithian-2-yl)porphyrins. Journal of Organic Chemistry, 2008, 73, 2182-2190. | 3.2 | 12 |
| 244 | Synthesis and Reactivity of Allenylporphyrins. European Journal of Organic Chemistry, 2013, 2013, 1566-1579. | 2.4 | 12 |
| 245 | Laser induced protonation of free base porphyrin in chloroform results in the enhancement of positive nonlinear absorption due to conformational distortion. Journal of Porphyrins and Phthalocyanines, 2013, 17, 1129-1133. | 0.8 | 12 |
| 246 | Konformativer Umbau von Porphyrinen als Rezeptoren mit schaltbaren Nâ€Hâ‹…â‹…â‹…Xâ€Bindungsmodi. Angewandte Chemie, 2019, 131, 16705-16709. | 2.0 | 12 |
| 247 | Exploring the relationship between structure and activity in BODIPYs designed for antimicrobial phototherapy. Organic and Biomolecular Chemistry, 2020, 18, 2416-2431. | 2.8 | 12 |
| 248 | Synthesis and Spectral Properties of gemâ€Dimethyl Chlorin Photosensitizers. ChemPhotoChem, 2020, 4, 601-611. | 3.0 | 12 |
| 249 | High Content Screening as High Quality Assay for Biological Evaluation of Photosensitizers In Vitro. PLoS ONE, 2013, 8, e70653. | 2.5 | 12 |
| 250 | One-pot Synthesis of A2BC-Type Free Base Porphyrins. Heterocycles, 2005, 65, 2441. | 0.7 | 12 |
| 251 | Structural evidence for nonplanar keto- and planar enol-forms of oxophlorins. Journal of the Chemical Society Chemical Communications, 1992, , 1108. | 2.0 | 11 |
| 252 | Structure and Conformation of Photosynthetic Pigments and Related Compounds 9 On the Structure and Macrocycle Conformation of Two Copper(II) Rhodochlorin Derivatives and Two Related Rhodoporphyrins. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1995, 50, 969-981. | 0.7 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Synthesis of porphyryl boronates with (un)saturated side-chains. Journal of Organometallic Chemistry, 2008, 693, 2637-2640. | 1.8 | 11 |
| 254 | The translocator protein as a potential molecular target for improved treatment efficacy in photodynamic therapy. Future Medicinal Chemistry, 2014, 6, 775-792. | 2.3 | 11 |
| 255 | Molekulares Engineering freier Porphyrinbasen als Liganden â€“ das Nâ€Hâ‹…â‹…â‹…Xâ€Bindungsmotiv in Tetrapyrrolen. Angewandte Chemie, 2019, 131, 424-448. | 2.0 | 11 |
| 256 | Elucidating Atropisomerism in Nonplanar Porphyrins with Tunable Supramolecular Complexes. Chemistry - A European Journal, 2021, 27, 331-339. | 3.3 | 11 |
| 257 | CHLORINATION OF ISOLATED CHLOROPHYLLS in vitro. Photochemistry and Photobiology, 1988, 48, 711-717. | 2.5 | 10 |
| 258 | Enzymic meso-chlorination of chlorophylls using chloroperoxidase. Biochimica Et Biophysica Acta - Bioenergetics, 1989, 977, 177-186. | 1.0 | 10 |
| 259 | Preparation and crystal structure of methyl [12â€acetylâ€8â€ethyl]â€bacteriopheophorbide d. â€“ A new bacteriochlorophyll derivative. Liebigs Annalen Der Chemie, 1991, 1991, 871-874. | 0.8 | 10 |
| 260 | Structure and Conformation of Photosynthetic Pigments and Related Compounds, 8 [1]<br />>Molecular Structure of an Iron(III) Chlorophyll Derivative-Chloro(phytochlorinato methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td<br><br>139-146. | 0.7 | 10 |
| 261 | Hydrogen-bonding patterns in six derivatives of 2,4-dimethylpyrrole. Acta Crystallographica Section C: Crystal Structure Communications, 2005, 61, o537-o541. | 0.4 | 10 |
| 262 | Synthesis, Transformations, And Comparative Studies of Porphyryl Acrylic Acids and Their Homologues. Journal of Organic Chemistry, 2009, 74, 1488-1497. | 3.2 | 10 |
| 263 | Simple but powerful: Phenanthroline-based small molecules for cellular imaging and cancer screening. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4385-4388. | 2.2 | 10 |
| 264 | Fractal structures in n-phenyl-porphyrin J-aggregate films. Materials Chemistry and Physics, 2014, 143, 963-968. | 4.0 | 10 |
| 265 | Investigating the Impact of Conformational Molecular Engineering on the Crystal Packing of Cavity Forming Porphyrins. Inorganic Chemistry, 2019, 58, 15769-15787. | 4.0 | 10 |
| 266 | Controllable Charge-Transfer Mechanism at Pushâ€“Pull Porphyrin/Nanocarbon Interfaces. Journal of Physical Chemistry C, 2019, 123, 14283-14291. | 3.1 | 10 |
| 267 | Weak Interactions and Conformational Changes in Core-Protonated A2- and Ax-Type Porphyrin Dications. Molecules, 2020, 25, 3195. | 3.8 | 10 |
| 268 | Shortâ€Chained Anthracene Strapped Porphyrins and their Endoperoxides. European Journal of Organic Chemistry, 2020, 2020, 2735-2744. | 2.4 | 10 |
| 269 | Photochemical Transformations Involving Porphyrins and Phthalocyanines. , 2012, , 831-879. | | 10 |
| 270 | Metal Complexes of Dioxo-porphyrins-Zinc(II) Complexes of 2,3,7,8,12,13,17,18-Octaethyl-5,15-dioxo-porphyrin and 5,15-Dioxo-etioporphyrin I. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1993, 48, 991-999. | 0.7 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | Novel oxidation reactions of sterically demanding 3,6-di-tert-butylporphyrin-o-quinones to muconic anhydride derivatives. Bioorganic and Medicinal Chemistry Letters, 1997, 7, 2589-2592. | 2.2 | 9 |
| 272 | Synthetic potential and limitations of o-quinones as acceptor groups in electron transfer compounds. Tetrahedron Letters, 2003, 44, 4463-4466. | 1.4 | 9 |
| 273 | Solvent effect on the nonlinear absorption of 5,10-A2B2meso substituted porphyrins. Photochemical and Photobiological Sciences, 2013, 12, 1811-1823. | 2.9 | 9 |
| 274 | Solid-state supramolecular architectures of a series of Hg(<scp>ii</scp>) halide coordination compounds based on hydroxyl-substituted Schiff base ligands. CrystEngComm, 2019, 21, 6301-6312. | 2.6 | 9 |
| 275 | Synthesis and Properties of BODIPY Appended Tetraphenylethylene Scaffolds as Photoactive Arrays. European Journal of Organic Chemistry, 2021, 2021, 4136-4143. | 2.4 | 9 |
| 276 | A novel 2,18-bridged biliverdin derivative. Journal of the Chemical Society Chemical Communications, 1993, , 872. | 2.0 | 8 |
| 277 | Planare Bischlorophyllderivate mit vollstÃndig konjugiertem Ï€â€System â€•Modellverbindungen fÃ¼r das Spezialpaar der Photosynthese. Angewandte Chemie, 1996, 108, 1982-1984. | 2.0 | 8 |
| 278 | Selbstorganisation kovalent verbrÃ¼ckter, supramolekularer Verbindungen mit definierter Struktur: die bemerkenswerte RedoxreaktivitÃt 15â€mesoâ€substituierter 5â€Oxoporphyrine. Angewandte Chemie, 1996, 108, 2657-2660. | 2.0 | 8 |
| 279 | Dodecasubstituted Porphyrins â€" An Easily Accessible Type of Dendritic Porphyrins with Tunable Properties. Heterocycles, 2004, 63, 505. | 0.7 | 8 |
| 280 | (5,15-Dianthracen-9-yl-10,20-dihexylporphyrinato)nickel(II): a planar nickel(II) porphyrin. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m790-m790. | 0.2 | 8 |
| 281 | Silyl Nitronate 1,3-Dipolar Cycloaddition Reactions with meso-Tetraarylporphyrins. Heterocycles, 2011, 83, 627. | 0.7 | 8 |
| 282 | Lead structures for applications in photodynamic therapy. 5. Synthesis and biological evaluation of water soluble phosphorus(V) 5,10,15,20-tetraalkylporphyrins for PDT. Photodiagnosis and Photodynamic Therapy, 2014, 11, 510-515. | 2.6 | 8 |
| 283 | Spectroelectrochemical Investigation of the Oneâ€Electron Reduction of Nonplanar Nickel(II) Porphyrins. ChemPhysChem, 2016, 17, 3480-3493. | 2.1 | 8 |
| 284 | Conformational and structural studies of meso monosubstituted metalloporphyrinsâ€"Edge-on molecular interactions of porphyrins in crystals. Tetrahedron, 2016, 72, 105-115. | 1.9 | 8 |
| 285 | Reaction of porphyrin-based surface-anchored metalâ€"organic frameworks caused by prolonged illumination. Physical Chemistry Chemical Physics, 2018, 20, 29142-29151. | 2.8 | 8 |
| 286 | Structural, Photophysical, and Photobiological Studies on BODIPYâ€Anthracene Dyads. ChemPhotoChem, 2021, 5, 131-141. | 3.0 | 8 |
| 287 | An Insight into Nonâ€Covalent Interactions on the Bicyclo[1.1.1]pentane Scaffold. European Journal of Organic Chemistry, 2021, 2021, 1113-1122. | 2.4 | 8 |
| 288 | The human tRNA-guanine transglycosylase displays promiscuous nucleobase preference but strict tRNA specificity. Nucleic Acids Research, 2021, 49, 4877-4890. | 14.5 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 289 | Oneâ€Photon and Twoâ€Photon Photophysical Properties of Tetrafunctionalized 5,10,15,20â€tetrakis(mâ€hydroxyphenyl)chlorin (Temoporfin) Derivatives as Potential Twoâ€Photonâ€Induced Photodynamic Therapy Agents. ChemPhotoChem, 2022, 6, . | 3.0 | 8 |
| 290 | On the Molecular Stereochemistry of the 21,22,23-trimethyl-5,10,15,20-Tetraphenylporphyrin Cation. Journal of Porphyrins and Phthalocyanines, 1999, 03, 216-223. | 0.8 | 7 |
| 291 | 12 Organometallic â€“ Coupling Reactions for Porphyrins. Handbook of Porphyrin Science, 2010, , 325-365. | 0.8 | 7 |
| 292 | Bridging and Conformational Control of Porphyrin Units through Nonâ€Traditional Rigid Scaffolds. Chemistry - A European Journal, 2020, 26, 2405-2416. | 3.3 | 7 |
| 293 | Synthesis and Structure of mesoâ€Substituted Dibenzihomoporphyrins. European Journal of Organic Chemistry, 2020, 2020, 6489-6496. | 2.4 | 7 |
| 294 | Structure and conformation of photosynthetic pigments and related compounds. 4. Two crystal forms of a chlorin - rhodochlorin XV dimethyl ester. Acta Crystallographica Section C: Crystal Structure Communications, 1992, 48, 1810-1815. | 0.4 | 6 |
| 295 | Syntheses, structure, properties and chemistry of 1,1-di(pyrrolyl)ethenes. Journal of the Chemical Society Chemical Communications, 1994, , 791. | 2.0 | 6 |
| 296 | 5,10,15,20-Tetrakis(diphenylmethyl)porphyrin - A Nonplanar Porphyrin with Intermediate Degree of Ruffling. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1999, 54, 662-666. | 0.7 | 6 |
| 297 | Adsorption of 5,10,15,20â€tetrakis (4â€bromophenyl)porphyrin on germanium(001). Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 1404-1407. | 0.8 | 6 |
| 298 | A two-pronged attack on DNA: targeting guanine quadruplexes with nonplanar porphyrins and DNA-binding small molecules. Future Medicinal Chemistry, 2016, 8, 609-612. | 2.3 | 6 |
| 299 | Triptycene scaffolds: Synthesis and properties of triptycene-derived Schiff base compounds for the selective and sensitive detection of CN â^' and Cu 2+. Tetrahedron, 2017, 73, 2956-2965. | 1.9 | 6 |
| 300 | Synthesis of amphiphilic meso-tetrasubstituted porphyrin-L-amino acid and -heterocyclic conjugates based on m-THPP. Journal of Porphyrins and Phthalocyanines, 2018, 22, 997-1009. | 0.8 | 6 |
| 301 | Strategic Synthesis of â€˜Picket Fenceâ€™ Porphyrins Based on Nonplanar Macrocycles**. European Journal of Organic Chemistry, 2021, 2021, 1871-1882. | 2.4 | 6 |
| 302 | Synthesis and Crystal Structure of a Meso-Meso Directly Linked Bisporphyrin. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 0553. | 0.7 | 6 |
| 303 | Fundamental electronic changes upon intersystem crossing in large aromatic photosensitizers: free base 5,10,15,20-tetrakis(4-carboxylatophenyl)porphyrin. Physical Chemistry Chemical Physics, 2022, 24, 7505-7511. | 2.8 | 6 |
| 304 | Synthesis and characterization of models for the bilin catabolites of chlorophylls using metallo-Î²-oxochlorins and -benzo[at]chlorins: comparison of macrocycle cleavage versus meso-oxochlorin formation. Journal of the Chemical Society Perkin Transactions 1, 1995, , 705-714. | 0.9 | 5 |
| 305 | Structure and Conformation of Photosynthetic Pigments and Related Compounds. 10. Comparison of a Phytochlorin and Phytoporphyrin Derived from Chlorophylla. Acta Crystallographica Section C: Crystal Structure Communications, 1997, 53, 1314-1318. | 0.4 | 5 |
| 306 | Wittig Reaction on Chlorin:Â Formation of an Unexpected Chlorinâ^'Spirochlorin Dimer with Significant Overlap between the Ï€ Electron System. Journal of Organic Chemistry, 1998, 63, 6434-6435. | 3.2 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 307 | Synthesis and electrochemical investigation of covalently linked porphyrin dimers containing a Î²-brominated subunit.. Journal of Porphyrins and Phthalocyanines, 2003, 07, 595-609. | 0.8 | 5 |
| 308 | Structure and conformation of photosynthetic pigments and related compounds. 15. Conformational analysis of chlorophyll derivatives - implications for hydroporphyrins in vivo. Photochemical and Photobiological Sciences, 2019, 18, 1479-1494. | 2.9 | 5 |
| 309 | Investigation of the Reactivity of 1-Azido-3-iodobicyclo[1.1.1]pentane under â€œClickâ€•Reaction Conditions. Journal of Organic Chemistry, 2021, 86, 1238-1245. | 3.2 | 5 |
| 310 | 2D Porphyrinic Metal-Organic Frameworks Featuring Rod-Shaped Secondary Building Units. Molecules, 2021, 26, 2955. | 3.8 | 5 |
| 311 | Chlorophyll RC I, its Structure, Function and Biosynthesis. , 1987, , 491-498. | | 5 |
| 312 | Synthesis, Solution, Molecular and Crystal Structure of Bis[5-(coproporphyrinato-I) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (tetraet Sciences, 1996, 51, 1644-1648. | 0.7 | 4 |
| 313 | Sodium etiobilirubin-IVÎ³-C10-sulfonate: a highly solvated bile pigment structure containing two different non-ridge-tile conformers in the unit cell. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 875-878. | 2.2 | 4 |
| 314 | (5-tert-Butylporphyrinato)copper(II), a nonplanar porphyrin with only one sterically demandingmesoresidue. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, m39-m42. | 0.4 | 4 |
| 315 | Growth and ordering of Ni(II) diphenylporphyrin monolayers on Ag(111) and Ag/Si(111) studied by STM and LEED. Journal of Physics Condensed Matter, 2012, 24, 045005. | 1.8 | 4 |
| 316 | Structural investigation of 5,10-A-<sub>2</sub>-B-<sub>2</sub>-type porphyrins: palladium(II) and zinc(II) complexes of 5,10-dibromo-15,20-bis(4-methylphenyl)porphyrin. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 1143-1146. | 0.5 | 4 |
| 317 | Crystal structure of 4-(methoxycarbonyl)phenylboronic acid. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1151-1154. | 0.5 | 4 |
| 318 | Merging Triptycene, BODIPY and Porphyrin Chemistry: Synthesis and Properties of Monoâ€•and Trisubstituted Triptycene Dye Arrays. European Journal of Organic Chemistry, 2017, 2017, 6680-6692. | 2.4 | 4 |
| 319 | Ethynylphenyl-Derivatized Free Base Porphyrins: Anodic Oxidation Processes and Covalent Grafting onto Glassy Carbon Electrodes. Langmuir, 2020, 36, 96-108. | 3.5 | 4 |
| 320 | Porphyrinoids for Photodynamic Therapy. RSC Smart Materials, 2021, , 252-291. | 0.1 | 4 |
| 321 | Axial ligand effects in sterically strained porphyrins. A crystallographic study of fiveâ€•and sixâ€•coordinated metal complexes of 2,3,7,8,12,13,17,18â€•octaethylâ€•5,10,15,20â€•tetranitroporphyrin. Journal of Porphyrins and Phthalocyanines, 1998, 2, 107-121. | 0.8 | 4 |
| 322 | Hydrogen Bonding and Conformation of 5-Substituted Dipyrromethanes â€” A Solid State Study. Heterocycles, 2005, 65, 797. | 0.7 | 4 |
| 323 | Surface-confined formation of conjugated porphyrin-based nanostructures on Ag(111). Nanoscale, 2021, 13, 19884-19889. | 5.6 | 4 |
| 324 | Oxoporphyrins â€“ The Molecular Structure of 5,15-Dioxo-2,3,7,8,12,13,17,18-octaethyl-porphodimethene-thallium(III) Chloride. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1992, 47, 837-841. | 0.7 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 325 | 8,12-Diethyl-2,3,7,13,17,18-hexamethyl-20-phenylporphyrin. Acta Crystallographica Section C: Crystal Structure Communications, 1992, 48, 581-583. | 0.4 | 3 |
| 326 | AGGREGATION OF 2,3â€ÐIHYDROXYâ€ŁTIOCHLORIN I. AN AMPHIPHILIC MODEL COMPOUND FOR PHOTODYNAMIC THERAPY AND GREEN HEME d. Photochemistry and Photobiology, 1993, 58, 748-752. | 2.5 | 3 |
| 327 | Structure and Conformation of Photosynthetic Pigments and Related Compounds. XI. 5,10,15,20-Tetrabutylbacteriochlorin. Acta Crystallographica Section C: Crystal Structure Communications, 1998, 54, 1917-1919. | 0.4 | 3 |
| 328 | Photochemical Transformations Involving Zinc Porphyrins and Phthalocyanines. , 0, , 395-419. | | 3 |
| 329 | (Invited) Synthesis of Unsymmetrically Meso-Substituted Porphyrins. ECS Transactions, 2011, 35, 147-157. | 0.5 | 3 |
| 330 | [5,15-Bis(2-methylpropyl)porphyrinato]nickel(II). Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m1191-m1192. | 0.2 | 3 |
| 331 | (Invited) Chemical Synthesis in Solution and Porphyrin Nanostructures on Surfaces - Similar Concepts, Different Results. ECS Transactions, 2013, 45, 77-90. | 0.5 | 3 |
| 332 | Effects of Preparation Conditions of Poly(lactide-co-glycolide) Nanoparticles Loaded with Amphiphilic Porphyrins and Their Photoactivities. Journal of Nanoscience and Nanotechnology, 2014, 14, 6274-6286. | 0.9 | 3 |
| 333 | Crystal Structures of 2-Furylbenzimidazoles with Antiangiogenic Inhibition of VEGF in Cell Line MCF-7. Heterocycles, 2015, 91, 1603. | 0.7 | 3 |
| 334 | Getting it right: 3D cell cultures for the assessment of photosensitizers for photodynamic therapy. Future Medicinal Chemistry, 2015, 7, 1957-1960. | 2.3 | 3 |
| 335 | Towards triptycene functionalization and triptycene-linked porphyrin arrays. Beilstein Journal of Organic Chemistry, 2020, 16, 763-777. | 2.2 | 3 |
| 336 | Crystal structures of 4-bromo-2-formyl-1-tosyl-1H-pyrrole, (E)-4-bromo-2-(2-nitrovinyl)-1-tosyl-1H-pyrrole and 6-(4-bromo-1-tosylpyrrol-2-yl)-4,4-dimethyl-5-nitrohexan-2-one. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 341-345. | 0.5 | 3 |
| 337 | Thiourea Organocatalysts as Emerging Chiral Pollutants: En Route to Porphyrin-Based (Chir)Optical Sensing. Chemosensors, 2021, 9, 278. | 3.6 | 3 |
| 338 | On the molecular stereochemistry of the 21,22,23â€trimethylâ€5,10,15,20â€tetraphenylporphyrin cation. Journal of Porphyrins and Phthalocyanines, 1999, 3, 216-223. | 0.8 | 3 |
| 339 | Enzymatic Chlorination of Chlorophyll a In Vitro. , 1989, , 119-122. | | 3 |
| 340 | Steric Repulsion Induced Conformational Switch in Supramolecular Structures. Chemistry - A European Journal, 2021, , . | 3.3 | 3 |
| 341 | Bis[(anhydro-meso-rhodochlorinato-XV methyl ester)zinc(II)]. Acta Crystallographica Section C: Crystal Structure Communications, 1997, 53, 1022-1024. | 0.4 | 2 |
| 342 | Synthesis and Crystal Structure of a Meso-Meso Directly Linked Bisporphyrin. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 553-558. | 0.7 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 343 | (5-n-Butyl-10,20-diisobutylporphyrinato)nickel(II). Acta Crystallographica Section E: Structure Reports Online, 2014, 70, m251-m251. | 0.2 | 2 |
| 344 | Porphyrin substituent regiochemistry, conformation and packing â€“ the case of 5,10-diphenylporphyrin. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2015, 70, 119-123. | 0.7 | 2 |
| 345 | Towards Electron Transfer Compounds with Rigid Resistor Units. ECS Transactions, 2016, 72, 1-11. | 0.5 | 2 |
| 346 | Synthesis of Long-Wavelength Absorbing Porphyrin m-Benzoic Acids as Molecular Tectons for Surface Studies. Heterocycles, 2017, 94, 1518. | 0.7 | 2 |
| 347 | Lactones and Flavonoids isolated from the Leaves of Globimetula braunii. Natural Product Communications, 2017, 12, 1934578X1701200. | 0.5 | 2 |
| 348 | Targeted Synthesis of Regioisomerically Pure Dodecasubstituted Type I Porphyrins through the Exploitation of Peri-interactions. Journal of Organic Chemistry, 2020, 85, 7603-7610. | 3.2 | 2 |
| 349 | Dual-binding conjugates of diaromatic guanidines and porphyrins for recognition of G-quadruplexes. Organic and Biomolecular Chemistry, 2020, 18, 5617-5624. | 2.8 | 2 |
| 350 | Synthesis, characterization, and crystal structure analysis of Zn(II) and Cd(II) coordination compounds containing 4-((pyridin-4-ylmethylene)amino)phenol Schiff-base ligand. Journal of Molecular Structure, 2020, 1221, 128846. | 3.6 | 2 |
| 351 | Structural effects of meso-halogenation on porphyrins. Beilstein Journal of Organic Chemistry, 2021, 17, 1149-1170. | 2.2 | 2 |
| 352 | 5,15-Bis(4-pentyloxyphenyl)porphyrin. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1048-o1048. | 0.2 | 2 |
| 353 | Crystal structure of [5-n-butyl-10-(2,5-dimethoxyphenyl)-2,3,7,8,13,12,17,18-octaethylporphyrinato]nickel(II). Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1397-1400. | 0.5 | 2 |
| 354 | The Molecular and Crystal Structures of Galvinol Derivatives. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2012, 67, 1137-1143. | 0.7 | 2 |
| 355 | Enantioselective Discrimination of Histidine by Means of an Achiral Cubane-Bridged Bis-Porphyrin. Langmuir, 2021, 37, 13882-13889. | 3.5 | 2 |
| 356 | Molecular Structure of the Copper(II) Complex of 20-Methoxy-mesoporphyrin IX Dimethyl Ester â€“ A Model for the Enol-Form of Oxophlorins. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1993, 48, 821-825. | 0.7 | 1 |
| 357 | Bis(methanol-O)(2,3,7,8,12,13,17,18-octaethylporphyrinato-N,N',N'',N''')iron(III) Perchlorate Bis(methanol) Solvate, [FeIII(oep)(HOCH3)2](ClO4).2CH3OH. Acta Crystallographica Section C: Crystal Structure Communications, 1996, 52, 302-305. | 0.4 | 1 |
| 358 | Dibenzyl 5-(2-chloroethyl)-3,7-diethyl-2,8-dimethyldipyrromethane-1,9-dicarboxylate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o506-o508. | 0.2 | 1 |
| 359 | N-[4-(Di-2-pyrrolylmethyl)phenyl]acetamide. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o3679-o3679. | 0.2 | 1 |
| 360 | Structure and Conformation of Photosynthetic Pigments and Related Compounds. 13. Identification of Localized Vibrational Modes in Chlorophyll A Derivatives. Heterocycles, 2009, 78, 1523. | 0.7 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 361 | Synthesis of Diazepine-fused Porphyrinoids and Annulated Porphyrin Arrays. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 889-898. | 0.7 | 1 |
| 362 | Facile meso Functionalization of Porphyrins by Nucleophilic Substitution with Organolithium Reagents. Angewandte Chemie - International Edition, 1998, 37, 1107-1109. | 13.8 | 1 |
| 363 | Crystal structure and synthesis of 3-(1H-pyrrol-2-yl)-1-(thiophen-2-yl)propanone. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1463-1466. | 0.5 | 1 |
| 364 | Crystal structures of 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetrakis(pentafluorophenyl)porphyrin as the chloroform monosolvate and tetrahydrofuran monosolvate. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 214-220. | 0.5 | 1 |
| 365 | Importance of molecular symmetry for enantiomeric excess recognition by NMR. Chemical Communications, 2022, 58, 5423-5426. | 4.1 | 1 |
| 366 | Synthetic Access to 5,10-Disubstituted Porphyrins.. ChemInform, 2003, 34, no. | 0.0 | 0 |
| 367 | Organische Chemie 2003. Nachrichten Aus Der Chemie, 2004, 52, 267-291. | 0.0 | 0 |
| 368 | The Dithianyl Group as a Synthon in Porphyrin Chemistry: Condensation Reactions and Preparation of Formylporphyrins under Basic Conditions.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 369 | Nucleophilic Substitution as a Tool for the Synthesis of Unsymmetrical Porphyrins. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 370 | Organische Chemie 2005. Nachrichten Aus Der Chemie, 2006, 54, 241-264. | 0.0 | 0 |
| 371 | Ethyl 4-benzyloxycarbonyl-5-[2,2-bis(benzyloxycarbonyl)vinyl]-3-methylpyrrole-2-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o4660-o4662. | 0.2 | 0 |
| 372 | Benzyl 4-ethyl-3-methyl-5-(phthalimidomethyl)pyrrole-2-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o3363-o3363. | 0.2 | 0 |
| 373 | Organische Chemie 2010. Nachrichten Aus Der Chemie, 2011, 59, 254-283. | 0.0 | 0 |
| 374 | (2,3,7,8,12,13,17,18-Octaethyl-5-phenylporphyrinato)platinum(II). Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1077-m1077. | 0.2 | 0 |
| 375 | {rac-5-[Methoxy(phenyl)methyl]-10,20-diphenylporphyrinato}nickel(II). Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m265-m265. | 0.2 | 0 |
| 376 | Crystal structure of 5,10,15-triphenyl-20-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)porphyrin. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o1085-o1086. | 0.2 | 0 |
| 377 | Crystal structure of 5-tert-butyl-10,15,20-triphenylporphyrin. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 128-132. | 0.5 | 0 |
| 378 | Front Cover: Comparative Synthetic Strategies for the Generation of 5,10â€•and 5,15â€Substituted Pushâ€Pull Porphyrins (Eur. J. Org. Chem. 25/2017). European Journal of Organic Chemistry, 2017, 2017, 3516-3516. | 2.4 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 379 | Preparation of non-covalent organic frameworks using dodecasubstituted porphyrin. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C741-C741. | 0.1 | 0 |
| 380 | Cubane Cross-Coupling and Cubane-Porphyrin Arrays. Chemistry - A European Journal, 2018, 24, 1001-1001. | 3.3 | 0 |
| 381 | Innentitelbild: Konformativer Umbau von Porphyrinen als Rezeptoren mit schaltbaren Nâ€Hâ‹…â‹…â‹…Xâ€Bindungsmodi (Angew. Chem. 46/2019). Angewandte Chemie, 2019, 131, 16482-16482. | 2.0 | 0 |
| 382 | Frontispiece: Nonconjugated Hydrocarbons as Rigidâ€Linear Motifs: Isosteres for Material Sciences and Bioorganic and Medicinal Chemistry. Chemistry - A European Journal, 2019, 25, . | 3.3 | 0 |
| 383 | Conformational Design of Enzyme-like Porphyrin Binding Pockets for Catalysis and Sensing. ECS Meeting Abstracts, 2021, MA2021-01, 783-783. | 0.0 | 0 |
| 384 | Reactivity of Zinc(II) 5-Oxoniaprotoporphyrin-IX: Synthesis of the First 5-Oxonia-15-phlorin. Heterocycles, 1999, 50, 641. | 0.7 | 0 |
| 385 | Towards Electron Transfer Compounds with Rigid Resistor Units. ECS Meeting Abstracts, 2016, , . | 0.0 | 0 |
| 386 | A New Mode of Action for Porphyrins â€“ Nonplanar Porphyrins As Organocatalysts. ECS Meeting Abstracts, 2017, , . | 0.0 | 0 |
| 387 | 6 High-content imaging for photosensitizer screening. Series in Cellular and Clinical Imaging, 2017, , 103-116. | 0.2 | 0 |
| 388 | Structure and conformation of photosynthetic pigments and related compounds. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e348-e349. | 0.1 | 0 |
| 389 | Preparation of non-covalent organic frameworks using dodecasubstituted porphyrins. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e299-e299. | 0.1 | 0 |
| 390 | A lead BODIPY-phenylanthracene dyad for application in photodynamic therapy. , 2019, , . | | 0 |
| 391 | Influence of meso-linker attachment on the formation of coreÂ·Â·Â·Ï€ interactions in urea-functionalized porphyrins. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 755-764. | 0.7 | 0 |
| 392 | Core Modulation of Porphyrins for Chemical Sensing. , 2021, 5, . | | 0 |
| 393 | The Malaria Pigment Haemozoinâ€"A Focal Point of Action for Antimalarial Drugs. ChemBioChem, 2000, 1, 247-249. | 2.6 | 0 |