

## Spis publikacji 2000-2020

1. "Designing Large Triangular Chiral Macrocycles: Efficient [3+3] Diamine-Dialdehyde Condensations Based on Conformational Bias". J. Gawroński, H. Kołbon, M. Kwit, and A. Katrusiak, *J. Org. Chem.*, **65**, 5768-5773 (2000).
2. "Contrasting Chiroptical Properties of Sparteine Lactams and Thiolactams". R. Kolanoś, W. Wysocka, M. Kwit, and J. Gawroński, *Tetrahedron: Asymmetry*, **12**, 1337-1343 (2001).
3. "The Use of Benzamide Derivatives of Secondary Amines for Stereochemical Studies by Circular Dichroism". J. Gawroński, H. Kołbon, and M. Kwit, *Enantiomer*, **7**, 85-92 (2002).
4. "Circular Dichroism of 9,10-Dihydrophenanthrene Derivatives Reveals Both the Absolute Configuration and Conformation: A Novel Approach to Mislow's Helicity Rule". J. Gawroński, P. Grycz, M. Kwit, and U. Rychlewska, *Chem. Eur. J.*, **8**, 4210-4215 (2002).
5. "Induced Homohelicity of Diphenimide Bis-propellers". M. Kwit, U. Rychlewska, and J. Gawroński, *New J. Chem.*, **26**, 1714-1717 (2002).
6. "Helicity Induction in a Bichromophore: a Sensitive and Practical Chiroptical Method for the Absolute Configuration Determination of Aliphatic Alcohols". J. Gawroński, M. Kwit, and K. Gawrońska, *Org. Lett.*, **4**, 4185-4188 (2002).
7. "Chiral Calixsalen-Type Macrocycles from *trans*-1,2-Diaminocyclohexane". M. Kwit and J. Gawroński, *Tetrahedron: Asymmetry*, **14**, 1303-1308 (2003).
8. "A Circular Dichroism Detection of Stereostructural Change due to Amine Protonation". M. Kwit and J. Gawroński, *Tetrahedron Lett.*, **44**, 8311-8314 (2003).
9. "Helicity of *N,N'*-Diaryl-*trans*-1,2-diaminocyclohexane Derivatives. Implications for Molecular Helicity Manipulations". M. Kwit and J. Gawroński, *Tetrahedron*, **59**, 9323-9331 (2003).
10. "Synthesis and Structure of *N,N'*-Diaryl Derivatives of *trans*-1,2-Diaminocyclohexane". M. Kwit, M. Kubicki, T. Borowiak, and J. Gawroński, *Pol. J. Chem.*, **77**, 1669-1682 (2003).
11. "Induction of Chirality in Donor-Acceptor Spiro Compounds". M. Kwit and J. Gawroński, *Mendeleev Commun.*, 139-140 (2003).
12. "Structure and Unexpected Chiroptical Properties of Chiral 4-Pyrrolidinyl Substituted 2(5*H*)-Furanones". J. Gawroński, K. Gawrońska, M. Kwit, K. Kacprzak, and U. Rychlewska, *Chirality*, **16**, 405-413 (2004).
13. "Synthesis, Structure and Contrasting Chiroptical Properties of Large Trianglimine Macrocycles". M. Kwit, P. Skowronek, H. Kołbon, and J. Gawroński, *Chirality*, **17**, S93-S100 (2005).
14. "Absolute Configuration, Conformation and Circular Dichroism of Monocyclic Arene Dihydrodiol Metabolites: It Is All Due to the Heteroatom Substituents". J. Gawroński,

- M. Kwit, D. R. Boyd, N. D. Sharma, J. F. Malone, and A. F. Drake, *J. Am. Chem. Soc.*, **127**, 4308-4319 (2005).
15. "Rhombimines – Cyclic Tetraamines of *trans*-1,2-Diaminocyclohexane Shaped by the Diaryl Ether Structural Motif". J. Gawroński, M. Brzostowska, M. Kwit, A. Plutecka, and U. Rychlewska, *J. Org. Chem.*, **70**, 10147-10150 (2005).
  16. "Trianglamines – Readily Prepared, Conformationally Flexible, Inclusion-Forming Chiral Hexaamines". J. Gawroński, K. Gawrońska, J. Grajewski, M. Kwit, A. Plutecka, and U. Rychlewska, *Chem. Eur. J.*, **12**, 1807-18147 (2006).
  17. "Solvent induced folding of conformationally bistable helical imide triads". J. Gawroński, M. Kaik, M. Kwit, and U. Rychlewska, *Tetrahedron*, **62**, 7866-7877 (2006).
  18. "Circular dichroic studies on absolute configuration assignment to peptidomimetics with terminal chiral 3-arylpropionic acid unit". J. Frelek, A. Fryszkowska, M. Kwit, and R. Ostaszewski, *Tetrahedron: Asymmetry*, **17**, 2469-2478 (2006).
  19. "Photochemical and Thermal Behaviour of Sterically Hindered Olefins". M. K. J. ter Wiel, M. G. Kwit, A. Meetsma, and B. L. Feringa, *Org. Biomol. Chem.*, **5**, 87-96 (2007).
  20. "Absolute Configuration of Conformationally Flexible *cis*-Dihydrodiol Metabolites by the Method of Confrontation of Experimental and Calculated Electronic CD Spectra and Optical Rotations". M. Kwit, N. D. Sharma, D. R. Boyd, and J. Gawroński, *Chem. Eur. J.*, **13**, 5812-5821 (2007).
  21. "Chiral Macrocyclic Aliphatic Oligoimines Derived from *trans*-1,2-Diaminocyclohexane". M. Kwit, A. Plutecka, U. Rychlewska, J. Gawroński, A. F. Khlebnikov, S. I. Kozhushkov, K. Rauch, and A. de Meijere, *Chem. Eur. J.*, **13**, 8688-8695 (2007).
  22. "Structural Constrains for the Formation of Macrocyclic Rhombimines". J. Gawroński, M. Kwit, J. Grajewski, J. Gajewy, and A. Długokińska, *Tetrahedron: Asymmetry*, **18**, 2632-2637 (2007).
  23. "Lewis Acid-Catalyzed One-Pot, Three-Component Route to Chiral 3,3'-Bipyrroles". S. Dey, C. Pal, D. Nandi, V. Sessa Giri, M. Zaidlewicz, M. Krzeminski, L. Smentek, B. Andes Hess, Jr., J. Gawroński, M. Kwit, N. Jagadeesh Babu, A. Nangia, and P. Jaisankar, *Org. Lett.*, **10**, 1373-1376 (2008).
  24. "Determination of Absolute Configuration of Conformationally Flexible *cis*-Dihydrodiol Metabolites: Effect of Diene Substitution Pattern on the Circular Dichroism Spectra and Optical Rotations". M. Kwit, N. D. Sharma, D. R. Boyd, and J. Gawroński, *Chirality*, **20**, 609-620 (2008).
  25. "Structure-Chiroptical Properties Relationship in Clavams: an Experimental and Theoretical Study". M. Chmielewski, M. Cierpucha, P. Kowalska, M. Kwit, and J. Frelek, *Chirality*, **20**, 621-627 (2008).
  26. "Photochemical and thermal behavior of light-driven unidirectional molecular motor with long alkyl chains". G. Caroli, M. G. Kwit, and B. L. Feringa, *Tetrahedron*, **64**, 5956-5962 (2008).

27. "Toluene Dioxygenase-Catalysed Synthesis of *cis*-Dihydrodiol Metabolites from 2-Substituted Naphthalene Substrates: Absolute Configurational and Conformational Assignments Based on Circular Dichroism and Optical Rotation Measurements". M. Kwit, J. Gawroński, D. R. Boyd, N. D. Sharma, M. Kaik, R. More O'Ferrall, and J. S. Kudavalli, *Chem. Eur. J.*, **14**, 11500-11511 (2008).
28. "Convenient Enantioselective Hydrosilylation of Ketones Catalyzed by Zinc – Macrocyclic Oligoamine Complexes". J. Gajewy, M. Kwit, and J. Gawroński, *Adv. Synth. Catal.*, **351**, 1055-1063 (2009).
29. "Thiourea and Isothiocyanate – Two Useful Chromophores for Stereochemical Studies. A Comparison of Experiment and Computation". J. Gawroński, M. Kwit, and P. Skowronek, *Org. Biomol. Chem.*, **7**, 1562-1572 (2009).
30. "Assignment of absolute configurations of permethrin and its synthon 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylic acid by electronic circular dichroism, optical rotation, and X-ray diffractometry". W. Bicker, K. Kacprzak, M. Kwit, M. Lämmerhofer, J. Gawroński, and W. Lindner, *Tetrahedron: Asymmetry*, **20**, 1027-1035 (2009).
31. "Synthesis of Chiral Large-ring Triangular Salen Ligands and Structural Characterization of Their Complexes". M. Kwit, B. Żabicka, and J. Gawroński, *Dalton Trans.*, 6783-6789 (2009).
32. "Synthesis, Conformation and Chiroptical Properties of Diaryl Esters of Tartaric Acid". R. Cysewski, M. Kwit, B. Warżajtis, U. Rychlewska and J. Gawroński, *J. Org. Chem.*, **74**, 4573-4583 (2009).
33. "New Insight into Chiroptical Properties of 1,2-Diols Cyclic Sulfites". P. Chochrek, J. Frelek, M. Kwit, and J. Wicha, *J. Org. Chem.*, **74**, 7300-7308 (2009).
34. "Density Functional Theory Calculations of the Optical Rotation and Electronic Circular Dichroism: The Absolute Configuration of the Highly Flexible *trans*-Isocytosazone Revised". M. Kwit, M. D. Rozwadowska, J. Gawroński and A. Grajewska, *J. Org. Chem.*, **74**, 8051-8063 (2009).
35. "Conformation and circular dichroism, optical rotation and the absolute configurations of *cis*-dihydroxydiol metabolites of quinoline and derivatives: the role of the nitrogen atom". M. Kwit, J. Gawroński, L. Sbircea, N. D. Sharma, M. Kaik, and D. R. Boyd, *Chirality*, **21**, E37-E47, (2009).
36. "Stereochemical Assingment of  $\beta$ -lactam Antibiotics and their Analogues by Electronic Circular Dichroism Spectroscopy". M. Woźnica, P. Kowalska, R. Łysek, M. Masnyk, M. Górecki, M. Kwit, F. Furche, and J. Frelek, *Current Organic Chemistry*, **14**, 1022-1036, (2010).
37. "Structure and atropisomerisation of new diastereomeric gossypol Schiff bases with (*R*)-(+)-2-amino-3-benzyloxy-1-propanol studied by NMR, ECD and DFT methods". P. Przybylski, M. Kwit, K. Pyta, R. Pankiewicz, G. Schroeder, J. Gawroński, B. Brzezinski, *Tetrahedron: Asymmetry*, **21**, 973-981 (2010).
38. "Circular Dichroism, Optical Rotation and Absolute Configuration of 2-Cyclohexenone-*cis*-diol Type Phenol Metabolites: Redefining the Role of Substituents

- and 2-Cyclohexenone Conformation in Electronic Circular Dichroism Spectra". M. Kwit, J. Gawroński, D. R. Boyd, N. D. Sharma, and M. Kaik, *Org. Biomol. Chem.*, **8**, 5635-5645 (2010).
39. "Eksperymentalne i teoretyczne oznaczanie konfiguracji absolutnej związków chiralnych metodami chiralnoptycznymi". M. Kwit, *Wiad. Chem.*, **65**, 33-58 (2011).
  40. "Convenient, Enantioselective Hydrosilylation of Imines in Protic Media Catalyzed by a Zn-Trianglamine Complex". J. Gajewy, J. Gawroński, and M. Kwit, *Org. Biomol. Chem.*, **9**, 3863–3870 (2011).
  41. "C-Hexaphenyl-substituted trianglamine as chiral solvating agent for carboxylic acids". A. Gualandi, S. Grilli, D. Savoia, M. Kwit, and J. Gawroński, *Org. Biomol. Chem.*, **9**, 4234-4241 (2011).
  42. "A Refined Model of Optical Activity of *cis*-Dihydrodiol Metabolites: the Role of 1,3-Diene Conformation in the Electronic Circular Dichroism Spectra". M. Kwit and J. Gawroński, *Chirality*, **23**, 744-751 (2011).
  43. "Vibrationally resolved circular dichroism spectra of a molecule with isotopically engendered chirality". N. Lin, H. Solheim, M. Nooijen, X. Zhao, K. Ruud, M. Kwit, and P. Skowronek, *PCCP*, **14**, 3669-3680 (2012).
  44. "From single molecule to crystal: mapping out the conformations of tartaric acids and their derivatives". A. Janiak, U. Rychlewska, M. Kwit, U. Stępień, K. Gawrońska, and J. Gawroński, *ChemPhysChem*, **13**, 1500-1506 (2012).
  45. "Structure, stereochemistry and synthesis of enantiopure cyclohexenone *cis*-diol bacterial metabolites derived from phenols". D. R. Boyd, N. D. Sharma, J. F. Malone, P. B. A. McIntyre, P. J. Stevenson, C. C. R. Allen, M. Kwit, and J. Gawroński, *Org. Biomol. Chem.*, **10**, 6217-6229 (2012).
  46. "Asymmetric Hydrosilylation of Ketones Catalyzed by Complexes Formed from *trans*-Diaminocyclohexane-based Diamines and Diethylzinc". J. Gajewy, J. Gawroński, and M. Kwit, *Monatsh. Chem.*, **143**, 1045-1054 (2012).
  47. "Absolute Configuration Determination and Convenient Asymmetric Synthesis of *cis*-3-(9-Anthryl)cyclohexanol with Proline as a Catalyst". J. Wysocki, M. Kwit, and J. Gawroński, *Chirality*, **24**, 833-839 (2012).
  48. "Mechanism and Enantioselectivity of [Zinc(Diamine)(Diol)]-Catalyzed Asymmetric Hydrosilylation of Ketones: DFT, NMR and ECD Study". J. Gajewy, J. Gawroński, and M. Kwit, *Eur. J. Org. Chem.*, 307-318, (2013).
  49. "*trans*-1,2-Diaminocykloheksan – niezwykła kariera outsidera". M. Petryk and M. Kwit, *Wiad. Chem.*, **67**, 393-443 (2013).
  50. "Structure – chiroptical properties relationship of *cisoid* enones with an  $\alpha$ -methylenecyclopentanone unit". J. Frelek, A. Butkiewicz, M. Górecki, R. K. Wojcieszczyk, R. Luboradzki, M. Kwit, M. F. Rode, and W. J. Szczepiek, *RSC Adv.*, **4**, 43977-43993 (2014).

51. "Triphenylacetic Acid Amides: Molecular Propellers with Induced Chirality". N. Prusinowska, W. Bendzińska-Berus, M. Jelecki, U. Rychlewska, and M. Kwit, *Eur. J. Org. Chem.*, 738-749 (2015).
52. "Dynamic Formation of Noncovalent Calixsalen Aggregates". M. Petryk, A. Troć, B. Gierczyk, W. Danikiewicz, and M. Kwit, *Chem. Eur. J.*, **21**, 10318-10321 (2015).
53. "Switching of inherent chirality driven by self-assembly". H. Jędrzejewska, M. Kwit, and A. Szumna, *Chem. Commun.*, **51**, 13799-13801 (2015).
54. "Double helicity induction in chiral bis(triphenylacetamides)". N. Prusinowska, W. Bendzińska-Berus, J. Szymkowiak, B. Warżajtis, J. Gajewy, M. Jelecki, U. Rychlewska, and M. Kwit, *RSC Adv.* **5**, 83448-83458 (2015).
55. "Readily Prepared Inclusion Forming Chiral Calixsalens". A. Janiak, M. Petryk, L. J. Barbour, and M. Kwit, *Org. Biomol. Chem.*, **14**, 669-673, (2016).
56. "Unexpected narcissistic self-sorting at molecular and supramolecular level in racemic chiral calixsalens". M. Petryk, K. Biniek, A. Janiak, and M. Kwit, *CrystEngComm*, **18**, 4996-5003, (2016).
57. "Fine tuning of molecular and supramolecular properties of simple trianglimines - the role of functional group". J. Gajewy, J. Szymkowiak, and M. Kwit, *RSC Adv.*, **6**, 53358-53369, (2016).
58. "Chiral, trimethylphenol-derived salen-type [4 + 6] organic cages". M. Petryk, J. Szymkowiak, B. Gierczyk, G. Spólnik, Ł. Popena, A. Janiak, and M. Kwit, *Org. Biomol. Chem.*, **14**, 7495-7499 (2016).
59. "Enantio- and diastereoselective acylation of prochiral hydroxyl group of pyrimidine acyclonucleosides". R. Kołodziejska, M. Kwit, R. Studzińska, and M. Jelecki, *J. Mol. Catal. B: Enzymatic.*, **133**, 98-106 (2016).
60. "Specific Noncovalent Association of Chiral Large-ring Hexamines - Ion Mobility Mass Spectrometry and PM7 Study". A. Troć, J. Gajewy, W. Danikiewicz, and M. Kwit, *Chem. Eur. J.*, **22**, 13258-13264 (2016).
61. "A Circular Dichroism – DFT Method for Conformational Study of Flexible Molecules: the Case of 1- and 2-Naphthyl Diesters". M. Kwit, N. Prusinowska, R. Cysewski, B. Warżajtis, U. Rychlewska, and J. Gawroński, *Arkivoc*, part ii, 492-506 (2017).
62. "Trityl Group as an Crystal Engineering Tool for Construction of Inclusion Compounds and for Suppression of Amide NH...O=C Hydrogen Bonds". W. Bendzińska-Berus, B. Warżajtis, J. Gajewy, M. Kwit, and U. Rychlewska, *Cryst. Growth Des.*, **17**, 2560-2568 (2017).
63. "Microbiological bio-reduction of prochiral carbonyl compounds by antimycotic agent Boni Protect". R. Kołodziejska, R. Studzińska, M. Kwit, M. Jelecki, and A. Tafelska-Kaczmarek, *Catcom*, **101**, 81-84 (2017).
64. "Benzhydryl ethers of tartaric acid derivatives: stereochemical response of dynamically chiral propeller". J. Grajewski, T. Mądry, M. Kwit, B. Warżajtis, U. Rychlewska, and J. Gawroński, *ChemPhysChem*, **18**, 2197-2207 (2017).

65. ""Double chiral" new members of calixsalen family". M. Petryk, A. Janiak, and M. Kwit, *Tetrahedron: Asymmetry*, **28**, 1373-1383 (2017).
66. "Unexpected formation of tubular architecture by optically active pure organic calixsalen". M. Petryk, A. Janiak, and M. Kwit, *CrystEngComm*, **19**, 5825-5829 (2017).
67. "Electronic and vibrational exciton coupling in oxidized trianglimines". J. Szymkowiak and M. Kwit, *Chirality*, **30**, 117-130 (2018).
68. "Unexpected relationship between inclusion and sorption properties of chiral calixsalens solids". A. Janiak, M. Kwit, and L. J. Barbour, *Supramolecular Chem.*, **30**, 479-487 (2018).
69. "Enantiopure tertiary urea and thiourea derivatives of trianglamine macrocycle – structural studies and metallogelation properties". N. Prusinowska, J. Szymkowiak, and M. Kwit, *J. Org. Chem.*, **83**, 1167-1175 (2018).
70. "Awkwardly-shaped dimers, capsules and tetramers: molecular and supramolecular motifs in C5-arylated chiral calixsalens". M. Petryk, A. Janiak, L. Barbour, and M. Kwit, *Eur. J. Org. Chem.*, 1916-1923 (2018).
71. "Editors' note: Special issue honoring Prof J. Gawronski". M. Kwit, N. Berova, and J. Caldwell, *Chirality*, **30**, 323-324 (2018).
72. "One-step Access to Resorcinsalens – Solvent Dependent Synthesis, Tautomerism, Self-sorting and Supramolecular Architectures of Chiral Polyimine Analogues of Resorcinarene". J. Szymkowiak, B. Warżajtis, U. Rychlewska, and M. Kwit, *Chem.-Eur. J.*, **24**, 6041-6046 (2018).
73. "Sterically Crowded Trianglimines – Synthesis, Structure, Solid State Self-Assembly and Unexpected Chiroptical Properties". N. Prusinowska, M. Bardziński, A. Janiak, P. Skowronek, and M. Kwit, *Chem. Asian J.*, **13**, 2691-2699 (2018).
74. "Consistent supramolecular assembly arising from a mixture of components – self-sorting and solid solutions of chiral oxygenated trianglimines". J. Szymkowiak, B. Warżajtis, U. Rychlewska, and M. Kwit, *CrystEngComm*, **20**, 5200-5208 (2018).
75. "One-step Construction of the Shape Persistent, Locally Chiral but Symmetrical Polyimine Macrocycle". M. Kwit, J. Grajewski, P. Skowronek, M. Zgorzelak, and J. Gawronski, *Chem. Rec.*, **19**, 213-237 (2019).
76. "Optical activity and helicity enhancement of highly sensitive dinaphthylmethane-based stereodynamic probes for secondary alcohols". T. Mądry, A. Czapik, and M. Kwit, *ACS Omega*, **4**, 3244-3256 (2019).
77. "Solvent-assisted synthesis of shape-persistent chiral polyaza gigantocycle characterized by a very large internal cavity and extraordinarily high amplitude of the ECD exciton couplet". M. Zgorzelak, J. Grajewski, J. Gawronski, and M. Kwit, *Chem. Commun.*, **55**, 2301-2304 (2019).
78. "Transfer of chirality in *N*-triphenylacetyl amino acids and chiral derivatives of *N*-triphenylacetyl Gly-Gly-dipeptide, and control of their assembly with steric

- constraints". W. Bendzińska-Berus, M. Jelecki, M. Kwit, and U. Rychlewska, *CrystEngComm*, **21**, 3420-3430 (2019).
79. "Molecular and supramolecular helicity induction in trityl group-containing compounds: the case of chiral 3,3,3-triphenylpropionic acid derivatives". P. Skowronek, A. Czapik, Z. Rajska, and M. Kwit, *Tetrahedron*, **75**, 4497-4505 (2019).
80. "Dynamic optical activity induction in the *N*-alkyl-*N'*-trityl ureas and thioureas". N. Prusinowska, A. Czapik, M. Wojciechowska, and M. Kwit, *Org. Biomol. Chem.*, **17**, 7782-7793 (2019).
81. "The application of safe for humans and the environment *Polyversum* antifungal agent containing living cells of *Pythium oligandrum* for biotransformation of prochiral ketones". R. Kołodziejka, R. Studzińska, A. Tafelska-Kaczmarek, H. Pawluk, M. Kwit, B. Stasiak, and A. Woźniak, *Bioorg. Chem.*, **92**, 103204 (2019).
82. "Chiral Cocrystal Solid Solutions, Molecular Complexes, and Salts of *N*-Triphenylacetyl-L-Tyrosine and Diamines". A. Czapik, M. Jelecki, and M. Kwit, *Int. J. Mol. Sci.*, **20**, 5004 (2019).
83. "Allylic-allylic alkylation with 3,5-dimethyl-4-nitroisoxazole. A facile route to dicarboxylic acid derivatives". D. Kowalczyk-Dworak, M. Kwit, and Ł. Albrecht, *J. Org. Chem.*, **85**, 2938-2944 (2020).
84. "Effect of chemical structure of benzofuran derivatives on enantioselective properties of *Aureobasidium pullulans* microorganism contained in Boni Protect antifungal agent". R. Kołodziejka, R. Studzińska, A. Tafelska-Kaczmarek, H. Pawluk, B. Stasiak, M. Kwit, and A. Woźniak, *Chirality*, **32**, 407-415 (2020).
85. "Trityl-containing alcohols – an efficient chirality transmission process from inductor to the stereodynamic propeller and their solid-state structural diversity". S. Górczyńska, A. Brzdonkiewicz, M. Jelecki, A. Czapik, B. Stasiak, and M. Kwit, *Molecules*, **25**, 707 (2020).
86. "Point-to-axial chirality transmission – a highly sensitive triaryl chirality probe for stereochemical assignments of amines". T. Mądry, A. Czapik, and M. Kwit, *J. Org. Chem.*, **85**, 10413-10431 (2020).
87. "Synthesis, absolute configuration, antibacterial, and antifungal activities of novel benzofuryl  $\beta$ -amino alcohols". A. Tafelska-Kaczmarek, R. Kołodziejka, M. Kwit, B. Stasiak, M. Wypij, and P. Golińska, *Materials*, **13**, 4080 (2020).