

Michael K Reggelin

List of Publications by Year in descending order

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81
papers

3,127
citations

159358

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54
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103
all docs

103
docs citations

103
times ranked

2260
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Sulfoximines: Structures, Properties and Synthetic Applications. <i>Synthesis</i> , 2000, 2000, 1-64. | 1.2 | 348 |
| 2 | Catalysis of allylic substitutions by Pd complexes of oxazolines containing an additional P, S, or Se Center. X-ray crystal structures and solution structures of chiral η^3 -allyl palladium complexes of phosphinoaryloxazolines. <i>Tetrahedron Letters</i> , 1994, 35, 1523-1526. | 0.7 | 339 |
| 3 | Direct Determination of Absolute Molecular Stereochemistry in Gas Phase by Coulomb Explosion Imaging. <i>Science</i> , 2013, 341, 1096-1100. | 6.0 | 234 |
| 4 | Palladium-Catalyzed Allylic Alkylation with Phosphinoaryldihydrooxazole Ligands: First Evidence and NMR Spectroscopic Structure Determination of a Primary Olefin η^3 -PdO Complex. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2108-2110. | 4.4 | 179 |
| 5 | Asymmetric Catalysis Special Feature Part I: Helically chiral polymers: A class of ligands for asymmetric catalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5461-5466. | 3.3 | 134 |
| 6 | Helical Chiral Polymers without Additional Stereogenic Units: A New Class of Ligands in Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1614-1617. | 7.2 | 118 |
| 7 | (Phosphanyloxazoline)palladium Complexes, Part I: (η^3 -1,3-Dialkylallyl)(phosphanyloxazoline)palladium Complexes: X-Ray Crystallographic Studies, NMR Investigations, and Quantum-Chemical Calculations. <i>Chemistry - A European Journal</i> , 2001, 7, 4913-4927. | 1.7 | 97 |
| 8 | Thiocyclosporins: Preparation, Solution and Crystal Structure, and Immunosuppressive Activity. <i>Helvetica Chimica Acta</i> , 1991, 74, 1953-1990. | 1.0 | 92 |
| 9 | Polyacetylenes as Enantiodifferentiating Alignment Media. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8334-8338. | 7.2 | 86 |
| 10 | Polyguanidines as Chiral Orienting Media for Organic Compounds. <i>Chemistry - A European Journal</i> , 2010, 16, 10342-10346. | 1.7 | 66 |
| 11 | PyridylN-Oxide Substituted Helically Chiral Poly(methacrylate)s in Asymmetric Organocatalysis. <i>Macromolecules</i> , 2005, 38, 5375-5380. | 2.2 | 61 |
| 12 | Is Enantiomer Assignment Possible by NMR Spectroscopy Using Residual Dipolar Couplings from Chiral Nonracemic Alignment Media? A Critical Assessment. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8388-8391. | 7.2 | 60 |
| 13 | Towards polyketide libraries: Iterative, asymmetric aldol reactions on a solid support. <i>Tetrahedron Letters</i> , 1996, 37, 6851-6852. | 0.7 | 58 |
| 14 | [2,3]-Sigmatropic Rearrangements of Allylic Sulfur Compounds. <i>Topics in Current Chemistry</i> , 2007, 275, 1-65. | 4.0 | 48 |
| 15 | Determination of conformation and relative configuration of a small, rapidly tumbling molecule in solution by combined application of NOESY and restrained MD calculations. <i>Journal of the American Chemical Society</i> , 1992, 114, 3272-3277. | 6.6 | 45 |
| 16 | Towards polyketide libraries II: Synthesis of chiral racemic di- and triketides on a solid support. <i>Tetrahedron Letters</i> , 1998, 39, 4801-4804. | 0.7 | 44 |
| 17 | Phenylalanine-based polyarylacetylenes as enantiomer-differentiating alignment media. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, S45-52. | 1.1 | 40 |
| 18 | Structure Determination of a Key Intermediate of the Enantioselective Pd Complex Catalyzed Allylic Substitution Reaction. <i>Chemistry - A European Journal</i> , 2000, 6, 3281-3286. | 1.7 | 39 |

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|----|---|-----|-----------|
| 19 | One-pot synthesis of (S)-4-isopropyl-2-p-toluene-4,5-dihydro-[1,2,6,3]oxathiazole 2-Oxides: Efficient precursors of optically active sulfoximines. <i>Tetrahedron Letters</i> , 1992, 33, 6959-6962. | 0.7 | 37 |
| 20 | Determination of the Orientation of a Distant Bond Vector in a Molecular Reference Frame by Cross-Correlated Relaxation of Nuclear Spins. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1903-1906. | 7.2 | 37 |
| 21 | Directly vs Indirectly Enhanced ^{13}C in Dynamic Nuclear Polarization Magic Angle Spinning NMR Experiments of Nonionic Surfactant Systems. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2418-2427. | 1.5 | 37 |
| 22 | Asymmetric Synthesis of Highly Substituted Azapolycyclic Compounds via 2-Alkenyl Sulfoximines: A Potential Scaffolds for Peptide Mimetics. <i>Journal of the American Chemical Society</i> , 2006, 128, 4023-4034. | 6.6 | 36 |
| 23 | Configurational Analysis by Residual Dipolar Coupling Driven Floating Chirality Distance Geometry Calculations. <i>Chemistry - A European Journal</i> , 2018, 24, 13918-13930. | 1.7 | 35 |
| 24 | Geminal Bis(sulfoximine)s: Synthesis and Applications in Asymmetric Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1295-1306. | 2.1 | 32 |
| 25 | Biphasic Liquid Crystal and the Simultaneous Measurement of Isotropic and Anisotropic Parameters by Spatially Resolved NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2017, 23, 13351-13359. | 1.7 | 31 |
| 26 | Diastereoselective Hydroxyalkylation of Enantiomerically Pure 2-Alkenylsulfoximides. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 444-446. | 4.4 | 30 |
| 27 | Metalated 2-Alkenylsulfoximines: Efficient Solutions for Asymmetric d^3 -Synthons. <i>Journal of the American Chemical Society</i> , 1996, 118, 4765-4777. | 6.6 | 30 |
| 28 | Metalated 2-Alkenylsulfoximides in Asymmetric Synthesis: Diastereoselective Preparation of Highly Substituted Pyrrolidine Derivatives. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2883-2886. | 7.2 | 30 |
| 29 | Syntheses of novel 2,3-diaryl-substituted 5-cyano-4-azaindoles exhibiting c-Met inhibition activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1879-1882. | 1.0 | 30 |
| 30 | Metallated 2-Alkenyl Sulfoximines in Asymmetric Synthesis: Regio- and Stereoselective Synthesis of Highly Substituted Oxabicyclic Ethers and Studies Towards the Total Syntheses of the Euglobins G1 and G2 and Arenaran A. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 1011-1031. | 1.2 | 29 |
| 31 | ^2H and ^{13}C NMR-Based Enantiodetection Using Polyacetylene versus Polypeptide Aligning Media: Versatile and Complementary Tools for Chemists. <i>ChemPlusChem</i> , 2019, 84, 144-153. | 1.3 | 29 |
| 32 | Relative configuration of micrograms of natural compounds using proton residual chemical shift anisotropy. <i>Nature Communications</i> , 2020, 11, 4372. | 5.8 | 25 |
| 33 | Simultaneous determination of conformation and configuration using distance geometry. <i>Journal of Organic Chemistry</i> , 1992, 57, 6365-6367. | 1.7 | 24 |
| 34 | Polymere Katalysatoren. <i>Nachrichten Aus Der Chemie</i> , 1997, 45, 1196-1201. | 0.0 | 23 |
| 35 | Metallated 2-Alkenyl Sulfoximines in Asymmetric Synthesis: Regio- and Stereoselective Synthesis of Highly Substituted Tetrahydrofurans. <i>Liebigs Annalen</i> , 1997, 1997, 1881-1886. | 0.8 | 22 |
| 36 | Cyclic Sulfonimidates by Dynamic Diastereomer-Differentiating Cyclisation: Large-Scale Synthesis and Mechanistic Studies. <i>Chemistry - A European Journal</i> , 2001, 7, 1232-1239. | 1.7 | 22 |

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|----|--|-----|-----------|
| 37 | Determination of the Relative Configuration by Distance Geometry Calculations with Protonâ€“Proton Distances from NOESY Spectra. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 753-755. | 4.4 | 21 |
| 38 | Helical Chiral Polymers without Additional Stereogenic Units: A New Class of Ligands in Asymmetric Catalysis. <i>Angewandte Chemie</i> , 2002, 114, 1684-1687. | 1.6 | 20 |
| 39 | Configurational analysis by residual dipolar couplings: A critical assessment of diastereomeric differentiabilitys. <i>Chirality</i> , 2019, 31, 384-400. | 1.3 | 20 |
| 40 | Synthesis and deprotonation of 1-(p-toluenesulfonyl)-2-alkenyl carbamates. Dichotomous achiral d1 and chiral d3 reagents for carbonyl addition directed by metal exchange. <i>Tetrahedron Letters</i> , 1989, 30, 2915-2918. | 0.7 | 19 |
| 41 | Enantiomerically pure $\hat{1}\hat{2}$ -difunctionalized $\hat{1}\hat{2}$ -enones by highly diastereoselective nucleophilic alkenylation of chiral aldehydes. <i>Tetrahedron Letters</i> , 1989, 30, 2919-2922. | 0.7 | 19 |
| 42 | Diastereoselektive Hydroxyalkylierung von enantiomerenreinen 2-Alkenylsulfoximiden. <i>Angewandte Chemie</i> , 1994, 106, 489-491. | 1.6 | 16 |
| 43 | Helically chiral poly(quinoxalinâ€“2,3-diyl): Toward the synthesis of stereoregular polymeric organocatalysts. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4830-4839. | 2.5 | 16 |
| 44 | Asymmetric Aldol Reactions on a Soluble Polymeric Support. <i>Organic Letters</i> , 2000, 2, 531-533. | 2.4 | 15 |
| 45 | Selection of methyl resonances in proton-detected heteronuclear shift correlation, the hqgc experiment. <i>Journal of Magnetic Resonance</i> , 1991, 91, 375-379. | 0.5 | 14 |
| 46 | New Stereocontrolled Synthesis of Cyclic Sulfonylimidates. <i>Tetrahedron Letters</i> , 1995, 36, 5885-5886. | 0.7 | 12 |
| 47 | A Modified Low-cost Preparation of Chloromethyl Methyl Ether (MOM-Cl). <i>Synlett</i> , 2004, 2004, 1117-1117. | 1.0 | 12 |
| 48 | C-Phosphorylated sulfoximines: synthesis and applications in asymmetric allylic substitution reactions. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 500-503. | 1.8 | 12 |
| 49 | Câ€“C Bond-Forming Desulfurizations of Sulfoximines. <i>Organic Letters</i> , 2008, 10, 4081-4084. | 2.4 | 12 |
| 50 | A Novel Type of Chiral Triangulaneâ€“Based Diphosphane Ligands for Transition Metals. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1530-1545. | 1.2 | 12 |
| 51 | Valine derived poly (acetylenes) as versatile chiral lyotropic liquid crystalline alignment media for RDCâ€“based structure elucidations. <i>Magnetic Resonance in Chemistry</i> , 2021, 59, 577-586. | 1.1 | 12 |
| 52 | Synthesis of Highly Functionalized Azabicycles via 2-Alkenyl Sulfoximines. <i>Synthesis</i> , 2006, 2006, 2224-2232. | 1.2 | 11 |
| 53 | Highly Diastereoselective, Nucleophilic Alkenylation of Enantiopure $\hat{1}\hat{2}$ -Oxy- and $\hat{1}\hat{2}$ -Aminoalkanal by Lithiated [1-(p-Toluenesulfonyl)alk-2-enyl] Carbamates. Revision of the Stereochemistry and Application to the Synthesis of a Dihydroxyethylene Dipeptide Isostere. <i>Synthesis</i> , 1997, 1997, 183-190. | 1.2 | 10 |
| 54 | The Advanced Floating Chirality Distance Geometry Approachâ€“How Anisotropic NMR Parameters Can Support the Determination of the Relative Configuration of Natural Products. <i>Marine Drugs</i> , 2020, 18, 330. | 2.2 | 10 |

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|----|---|-----|-----------|
| 55 | Model-Free Approach for the Configurational Analysis of Marine Natural Products. <i>Marine Drugs</i> , 2021, 19, 283. | 2.2 | 10 |
| 56 | Bayesian Inference Applied to NMR-Based Configurational Assignments by Floating Chirality Distance Geometry Calculations. <i>Journal of the American Chemical Society</i> , 2022, 144, 6830-6838. | 6.6 | 9 |
| 57 | Molecular packing and morphological stability of dihydro-indeno[1,2-b]fluorenes in the context of their substitution pattern. <i>RSC Advances</i> , 2017, 7, 47183-47189. | 1.7 | 8 |
| 58 | Study and quantification of the enantiodiscrimination power of four polymeric chiral LLCs using NAD 2D-NMR. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 7338-7348. | 1.3 | 8 |
| 59 | Configurational Analysis by Residual Dipolar Couplings: Critical Assessment of 'Structural Noise' from Thermal Vibrations. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3412-3416. | 7.2 | 7 |
| 60 | Poly(arylisocyanides) as Versatile, Enantiodiscriminating Alignment Media for Small Molecules. <i>ChemPlusChem</i> , 2022, 87, e202100507. | 1.3 | 7 |
| 61 | A disintegrin derivative as a case study for PHIP labeling of disulfide bridged biomolecules. <i>Scientific Reports</i> , 2022, 12, 2337. | 1.6 | 6 |
| 62 | NMR-Based Configurational Assignments of Natural Products: Gibbs Sampling and Bayesian Inference Using Floating Chirality Distance Geometry Calculations. <i>Marine Drugs</i> , 2022, 20, 14. | 2.2 | 6 |
| 63 | NMR-Based Configurational Assignments of Natural Products: How Floating Chirality Distance Geometry Calculations Simplify Gambling with ² Diastereomers. <i>Journal of Natural Products</i> , 2022, 85, 1837-1849. | 1.5 | 6 |
| 64 | Fast NOESY for Micromolecules without Compromise in Distance Accuracy. <i>Journal of Magnetic Resonance Series B</i> , 1995, 107, 91-93. | 1.6 | 5 |
| 65 | Novel Syntheses of Variably Substituted Pyrrolo[2,3-d]thiazoles. <i>Synthesis</i> , 2010, 2010, 3152-3162. | 1.2 | 5 |
| 66 | Crosslinkable Bis(diphenylamine)-Substituted Mixed Dihydroindeno[1,2-b]fluorenes for Solution-Processed Multilayer Organic Light-Emitting Diodes. <i>ChemPlusChem</i> , 2020, 85, 151-158. | 1.3 | 5 |
| 67 | Synthese mittlerer und großer Ringe, XXXVI. Synthese eines 1/4berbrückten, in konfigurierten Bicyclo[2.1.0]pentan-Derivates. <i>Chemische Berichte</i> , 1994, 127, 1263-1267. | 0.2 | 4 |
| 68 | Synthesis of Bis(4-methylphenylsulfonimidoyl)methane - The First 'Free' Geminal Bis(sulfoximine). <i>Synlett</i> , 2012, 23, 1095-1098. | 1.0 | 4 |
| 69 | A novel strategy for site selective spin-labeling to investigate bioactive entities by DNP and EPR spectroscopy. <i>Scientific Reports</i> , 2021, 11, 13714. | 1.6 | 4 |
| 70 | Polymeric Catalysts. , 0, , 328-336. | | 3 |
| 71 | 3-Oxo-1,3,6,4-oxathiazines: A Novel Class of Heterocyclic S,O-Acetals. <i>Synthesis</i> , 2016, 49, 403-408. | 1.2 | 2 |
| 72 | Metalated 2-Alkenylsulfoximines: Reactivity and NMR-Spectroscopic Studies. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1994, 95, 341-342. | 0.8 | 1 |

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|----|---|-----|-----------|
| 73 | 2-Hydroxy-4,6-dimethoxy-3-(3-methylbutanoyl)benzaldehyde. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, o664-o666. | 0.4 | 1 |
| 74 | Synthesis of diisocyanides with phenolic groups and their polymerization to helically chiral poly(quinoxaline-2,3-diyl)s. Journal of Polymer Science Part A, 2015, 53, 1320-1329. | 2.5 | 1 |
| 75 | ² H and ¹³ C NMR-Based Enantiodetection Using Polyacetylene versus Polypeptide Aligning Media: Versatile and Complementary Tools for Chemists. ChemPlusChem, 2019, 84, 143-143. | 1.3 | 1 |
| 76 | Asymmetric Allylic Substitutions with Pd Complexes of Phosphinooxazolines as Ligands - Preparative and Mechanistic Aspects. , 1998, , 105-115. | | 1 |
| 77 | NMR anschaulich: <i>100 and More Basic NMR Experiments. Von S. Braun, H. O. Kalinowski und S. Berger. VCH, Weinheim, 1996. 418 S., brosch., 68,â€œDM. ISBN 3â€œ527â€œ29091â€œ5.</i>. Nachrichten Aus Der Chemie, 1996, 44, 1013-1014. | | 0 |
| 78 | meta- and para-Functionalized Thermally Crosslinkable OLED-Materials through Selective Transition-Metal-Catalyzed Cross-Coupling Reactions. Synthesis, 2017, 28, 4489-4499. | 1.2 | 0 |
| 79 | Correction to "Directly vs Indirectly Enhanced ¹³ C in Dynamic Nuclear Polarization Magic Angle Spinning NMR Experiments of Nonionic Surfactant Systems". Journal of Physical Chemistry C, 2017, 121, 23847-23847. | 1.5 | 0 |
| 80 | Cover Image, Volume 31, Issue 5. Chirality, 2019, 31, i-i. | 1.3 | 0 |
| 81 | Configurational Analysis by Residual Dipolar Couplings: Critical Assessment of "Structural Noise" from Thermal Vibrations. Angewandte Chemie, 2021, 133, 3454-3458. | 1.6 | 0 |