

Michael K Reggelin

List of Publications by Year in descending order

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82
papers

3,127
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159585

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103
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103
docs citations

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times ranked

2260
citing authors

#	ARTICLE	IF	CITATIONS
1	Poly(arylisocyanides) as Versatile, Enantiodiscriminating Alignment Media for Small Molecules. <i>ChemPlusChem</i> , 2022, 87, e202100507.	2.8	7
2	A disintegrin derivative as a case study for PHIP labeling of disulfide bridged biomolecules. <i>Scientific Reports</i> , 2022, 12, 2337.	3.3	6
3	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.	2.8	8
4	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.	4.6	6
5	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.	13.7	9
6	NMR-Based Configurational Assignments of Natural Products: How Floating Chirality Distance Geometry Calculations Simplify Gambling with 2 ^{<i>N</i>} Diastereomers. <i>Journal of Natural Products</i> , 2022, 85, 1837-1849.	3.0	6
7	Valine derived poly (acetylenes) as versatile chiral lyotropic liquid crystalline alignment media for RDC-based structure elucidations. <i>Magnetic Resonance in Chemistry</i> , 2021, 59, 577-586.	1.9	12
8	Configurational Analysis by Residual Dipolar Couplings: Critical Assessment of "Structural Noise" from Thermal Vibrations. <i>Angewandte Chemie</i> , 2021, 133, 3454-3458.	2.0	0
9	Configurational Analysis by Residual Dipolar Couplings: Critical Assessment of "Structural Noise" from Thermal Vibrations. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3412-3416.	13.8	7
10	Model-Free Approach for the Configurational Analysis of Marine Natural Products. <i>Marine Drugs</i> , 2021, 19, 283.	4.6	10
11	A novel strategy for site selective spin-labeling to investigate bioactive entities by DNP and EPR spectroscopy. <i>Scientific Reports</i> , 2021, 11, 13714.	3.3	4
12	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.	2.8	5
13	The Advanced Floating Chirality Distance Geometry Approach-How Anisotropic NMR Parameters Can Support the Determination of the Relative Configuration of Natural Products. <i>Marine Drugs</i> , 2020, 18, 330.	4.6	10
14	Relative configuration of micrograms of natural compounds using proton residual chemical shift anisotropy. <i>Nature Communications</i> , 2020, 11, 4372.	12.8	25
15	2 H and 13 C NMR-Based Enantiodetection Using Polyacetylene versus Polypeptide Aligning Media: Versatile and Complementary Tools for Chemists. <i>ChemPlusChem</i> , 2019, 84, 143-143.	2.8	1
16	Configurational analysis by residual dipolar couplings: A critical assessment of diastereomeric differentiabilitys. <i>Chirality</i> , 2019, 31, 384-400.	2.6	20
17	Cover Image, Volume 31, Issue 5. <i>Chirality</i> , 2019, 31, i-i.	2.6	0
18	² H 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.	2.8	29

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19	Configurational Analysis by Residual Dipolar Coupling Driven Floating Chirality Distance Geometry Calculations. <i>Chemistry - A European Journal</i> , 2018, 24, 13918-13930.	3.3	35
20	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.	3.1	37
21	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.	3.3	31
22	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.	3.6	8
23	meta- and para-Functionalized Thermally Crosslinkable OLED-Materials through Selective Transition-Metal-Catalyzed Cross-Coupling Reactions. <i>Synthesis</i> , 2017, 28, 4489-4499.	2.3	0
24	Correction to "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, 23847-23847.	3.1	0
25	3-Oxo-1,3,6,4-oxathiazines: A Novel Class of Heterocyclic S,O-Acetals. <i>Synthesis</i> , 2016, 49, 403-408.	2.3	2
26	Synthesis of diisocyanides with phenolic groups and their polymerization to helically chiral poly(quinoxaline-2,3-diyl)s. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1320-1329.	2.3	1
27	Direct Determination of Absolute Molecular Stereochemistry in Gas Phase by Coulomb Explosion Imaging. <i>Science</i> , 2013, 341, 1096-1100.	12.6	234
28	Synthesis of Bis(4-methylphenylsulfonimidoyl)methane - The First "Free" Geminal Bis(sulfoximine). <i>Synlett</i> , 2012, 23, 1095-1098.	1.8	4
29	Phenylalanine-based polyarylacetylenes as enantiomer-differentiating alignment media. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, S45-52.	1.9	40
30	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.	13.8	60
31	Polyacetylenes as Enantiodifferentiating Alignment Media. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8334-8338.	13.8	86
32	A Novel Type of Chiral Triangulane-Based Diphosphane Ligands for Transition Metals. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1530-1545.	2.4	12
33	Polyguanidines as Chiral Orienting Media for Organic Compounds. <i>Chemistry - A European Journal</i> , 2010, 16, 10342-10346.	3.3	66
34	Novel Syntheses of Variably Substituted Pyrrolo[2,3-d]thiazoles. <i>Synthesis</i> , 2010, 2010, 3152-3162.	2.3	5
35	Helically chiral poly(quinoxaline-2,3-diyl)s: Toward the synthesis of stereoregular polymeric organocatalysts. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4830-4839.	2.3	16
36	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.	2.2	30

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37	C ^α -C Bond-Forming Desulfurizations of Sulfoximines. <i>Organic Letters</i> , 2008, 10, 4081-4084.	4.6	12
38	2-Hydroxy-4,6-dimethoxy-3-(3-methylbutanoyl)benzaldehyde. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007, 63, o664-o666.	0.4	1
39	[2,3]-Sigmatropic Rearrangements of Allylic Sulfur Compounds. <i>Topics in Current Chemistry</i> , 2007, 275, 1-65.	4.0	48
40	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.	13.7	36
41	C-Phosphanylated sulfoximines: synthesis and applications in asymmetric allylic substitution reactions. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 500-503.	1.8	12
42	Synthesis of Highly Functionalized Azabicycles via 2-Alkenyl Sulfoximines. <i>Synthesis</i> , 2006, 2006, 2224-2232.	2.3	11
43	PyridylN-Oxide Substituted Helically Chiral Poly(methacrylate)s in Asymmetric Organocatalysis. <i>Macromolecules</i> , 2005, 38, 5375-5380.	4.8	61
44	A Modified Low-cost Preparation of Chloromethyl Methyl Ether (MOM-Cl). <i>Synlett</i> , 2004, 2004, 1117-1117.	1.8	12
45	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.	7.1	134
46	Geminal Bis(sulfoximine)s: Synthesis and Applications in Asymmetric Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1295-1306.	4.3	32
47	Helical Chiral Polymers without Additional Stereogenic Units: A New Class of Ligands in Asymmetric Catalysis. <i>Angewandte Chemie</i> , 2002, 114, 1684-1687.	2.0	20
48	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.	13.8	118
49	Cyclic Sulfonylimides by Dynamic Diastereomer-Differentiating Cyclisation: Large-Scale Synthesis and Mechanistic Studies. <i>Chemistry - A European Journal</i> , 2001, 7, 1232-1239.	3.3	22
50	(Phosphanyloxazoline)palladium Complexes, Part I: (1-3,3-Dialkylallyl)(phosphanyloxazoline)palladium Complexes: X-Ray Crystallographic Studies, NMR Investigations, and Quantum-Chemical Calculations. <i>Chemistry - A European Journal</i> , 2001, 7, 4913-4927.	3.3	97
51	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.	3.3	39
52	Sulfoximines: Structures, Properties and Synthetic Applications. <i>Synthesis</i> , 2000, 2000, 1-64.	2.3	348
53	Asymmetric Aldol Reactions on a Soluble Polymeric Support. <i>Organic Letters</i> , 2000, 2, 531-533.	4.6	15
54	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.	2.4	29

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55	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.	13.8	37
56	Metalated 2-Alkenylsulfoximides in Asymmetric Synthesis: Diastereoselective Preparation of Highly Substituted Pyrrolidine Derivatives. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2883-2886.	13.8	30
57	Towards polyketide libraries – II: Synthesis of chiral racemic di- and triketides on a solid support. <i>Tetrahedron Letters</i> , 1998, 39, 4801-4804.	1.4	44
58	Asymmetric Allylic Substitutions with Pd Complexes of Phosphinooxazolines as Ligands - Preparative and Mechanistic Aspects. , 1998, , 105-115.		1
59	Highly Diastereoselective, Nucleophilic Alkenoylation of Enantiopure $\hat{\pm}$ -Oxy- and $\hat{\pm}$ -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.	2.3	10
60	Polymere Katalysatoren. <i>Nachrichten Aus Der Chemie</i> , 1997, 45, 1196-1201.	0.0	23
61	Palladium-Catalyzed Allylic Alkylation with Phosphinoaryldihydrooxazole Ligands: First Evidence and NMR Spectroscopic Structure Determination of a Primary Olefin-PdO Complex. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2108-2110.	4.4	179
62	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
63	Metalated 2-Alkenylsulfoximines: Efficient Solutions for Asymmetric d_3 -Synthons. <i>Journal of the American Chemical Society</i> , 1996, 118, 4765-4777.	13.7	30
64	Towards polyketide libraries: Iterative, asymmetric aldol reactions on a solid support. <i>Tetrahedron Letters</i> , 1996, 37, 6851-6852.	1.4	58
65	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,-€DM. ISBN 3-527-29091-5.</i> <i>Nachrichten Aus Der Chemie</i> , 1996, 44, 1013-1014.		0
66	Fast NOESY for Micromolecules without Compromise in Distance Accuracy. <i>Journal of Magnetic Resonance Series B</i> , 1995, 107, 91-93.	1.6	5
67	New Stereocontrolled Synthesis of Cyclic Sulfonylimidates. <i>Tetrahedron Letters</i> , 1995, 36, 5885-5886.	1.4	12
68	New stereocontrolled synthesis of cyclic sulfonylimidates. <i>Tetrahedron Letters</i> , 1995, 36, 5885-5886.	1.4	6
69	Metalated 2-Alkenylsulfoximines: Reactivity and NMR-Spectroscopic Studies. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1994, 95, 341-342.	1.6	1
70	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 $\hat{\pm}$ -allyl palladium complexes of phosphinoaryloxazolines. <i>Tetrahedron Letters</i> , 1994, 35, 1523-1526.	1.4	339
71	Synthese mittlerer und großer Ringe, XXXVI. Synthese eines $\hat{\pm}$ -berbrückten, in-konfigurierten Bicyclo[2.1.0]pentan-Derivates. <i>Chemische Berichte</i> , 1994, 127, 1263-1267.	0.2	4
72	Diastereoselective Hydroxyalkylation of Enantiomerically Pure 2-Alkenylsulfoximides. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 444-446.	4.4	30

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73	Determination of the Relative Configuration by Distance Geometry Calculations with Proton-Proton Distances from NOESY Spectra. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 753-755.	4.4	21
74	Diastereoselektive Hydroxyalkylierung von enantiomerenreinen 2-Alkenylsulfoximiden. <i>Angewandte Chemie</i> , 1994, 106, 489-491.	2.0	16
75	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.	13.7	45
76	Simultaneous determination of conformation and configuration using distance geometry. <i>Journal of Organic Chemistry</i> , 1992, 57, 6365-6367.	3.2	24
77	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.	1.4	37
78	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
79	Thiocyclosporins: Preparation, Solution and Crystal Structure, and Immunosuppressive Activity. <i>Helvetica Chimica Acta</i> , 1991, 74, 1953-1990.	1.6	92
80	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.	1.4	19
81	Enantiomerically pure α,β -difunctionalized α,β -enones by highly diastereoselective nucleophilic alkenylation of chiral aldehydes. <i>Tetrahedron Letters</i> , 1989, 30, 2919-2922.	1.4	19
82	Polymeric Catalysts. , 0, , 328-336.		3