Michael K Reggelin

List of Publications by Year
in descending order

82 papers	3,127 citations	159585 30 h-index	161849 54 g-index
103 all docs	103 docs citations	103 times ranked	2260 citing authors

#	Article	IF	Citations
1	Sulfoximines: Structures, Properties and Synthetic Applications. Synthesis, 2000, 2000, 1-64.	2.3	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 Ï€-allyl palladium complexes of phosphinoaryloxazolines. Tetrahedron Letters, 1994, 35, 1523-1526.	1.4	339
3	Direct Determination of Absolute Molecular Stereochemistry in Gas Phase by Coulomb Explosion Imaging. Science, 2013, 341, 1096-1100.	12.6	234
4	Palladium-Catalyzed Allylic Alkylation with Phosphinoaryldihydrooxazole Ligands: First Evidence and NMR Spectroscopic Structure Determination of a Primary Olefinâ€“Pd0 Complex. Angewandte Chemie International Edition in English, 1997, 36, 2108-2110.	4.4	179
5	Asymmetric Catalysis Special Feature Part I: Helically chiral polymers: A class of ligands for asymmetric catalysis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5461-5466.	7.1	134
6	Helical Chiral Polymers without Additional Stereogenic Units: A New Class of Ligands in Asymmetric Catalysis. Angewandte Chemie - International Edition, 2002, 41, 1614-1617.	13.8	118
7	(Phosphanyloxazoline)palladium Complexes, Part I: (Î·3-1,3-Dialkylallyl)(phosphanyloxazoline)palladium Complexes: X-Ray Crystallographic Studies, NMR Investigations, and Quantum-Chemical Calculations. Chemistry - A European Journal, 2001, 7, 4913-4927.	3.3	97
8	Thiocyclosporins: Preparation, Solution and Crystal Structure, and Immunosuppressive Activity. Helvetica Chimica Acta, 1991, 74, 1953-1990.	1.6	92
9	Polyacetylenes as Enantiodifferentiating Alignment Media. Angewandte Chemie - International Edition, 2012, 51, 8334-8338.	13.8	86
10	Polyguanidines as Chiral Orienting Media for Organic Compounds. Chemistry - A European Journal, 2010, 16, 10342-10346.	3.3	66
11	PyridylN-Oxide Substituted Helically Chiral Poly(methacrylate)s in Asymmetric Organocatalysis. Macromolecules, 2005, 38, 5375-5380.	4.8	61
12	Is Enantiomer Assignment Possible by NMR Spectroscopy Using Residual Dipolar Couplings from Chiral Nonracemic Alignment Media?â€”A Critical Assessment. Angewandte Chemie - International Edition, 2012, 51, 8388-8391.	13.8	60
13	Towards polyketide libraries: Iterative, asymmetric aldol reactions on a solid support. Tetrahedron Letters, 1996, 37, 6851-6852.	1.4	58
14	[2,3]-Sigmatropic Rearrangements of Allylic Sulfur Compounds. Topics in Current Chemistry, 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. Journal of the American Chemical Society, 1992, 114, 3272-3277.	13.7	45
16	Towards polyketide libraries â€” II: Synthesis of chiral aracemic di- and triketides on a solid support. Tetrahedron Letters, 1998, 39, 4801-4804.	1.4	44
17	Phenylalanineâ€based polyarylacetylenes as enantiomerâ€differentiating alignment media. Magnetic Resonance in Chemistry, 2012, 50, S45-52.	1.9	40
18	Structure Determination of a Key Intermediate of the Enantioselective Pd Complex Catalyzed Allylic Substitution Reaction. Chemistry - A European Journal, 2000, 6, 3281-3286.	3.3	39

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19	One-pot synthesis of (S)-4-isopropyl-2-p-toluene-4,5-dihydro-[1.2Î»6,3]oxathiazole 2-Oxides: Efficient precursors of optically active sulfoximines. Tetrahedron Letters, 1992, 33, 6959-6962.	1.4	37
20	Determination of the Orientation of a Distant Bond Vector in a Molecular Reference Frame by Cross-Correlated Relaxation of Nuclear Spins. Angewandte Chemie - International Edition, 1998, 37, 1903-1906.	13.8	37
21	Directly vs Indirectly Enhanced ¹³C in Dynamic Nuclear Polarization Magic Angle Spinning NMR Experiments of Nonionic Surfactant Systems. Journal of Physical Chemistry C, 2017, 121, 2418-2427.	3.1	37
22	Asymmetric Synthesis of Highly Substituted Azapolycyclic Compounds via 2-Alkenyl Sulfoximines:Â Potential Scaffolds for Peptide Mimetics. Journal of the American Chemical Society, 2006, 128, 4023-4034.	13.7	36
23	Configurational Analysis by Residual Dipolar Coupling Driven Floating Chirality Distance Geometry Calculations. Chemistry - A European Journal, 2018, 24, 13918-13930.	3.3	35
24	Geminal Bis(sulfoximine)s: Synthesis and Applications in Asymmetric Catalysis. Advanced Synthesis and Catalysis, 2004, 346, 1295-1306.	4.3	32
25	Biphasic Liquid Crystal and the Simultaneous Measurement of Isotropic and Anisotropic Parameters by Spatially Resolved NMR Spectroscopy. Chemistry - A European Journal, 2017, 23, 13351-13359.	3.3	31
26	Diastereoselective Hydroxyalkylation of Enantiomerically Pure 2-Alkenylsulfoximides. Angewandte Chemie International Edition in English, 1994, 33, 444-446.	4.4	30
27	Metalated 2-Alkenylsulfoximines:Â Efficient Solutions for Asymmetric d3-Synthonsâ€. Journal of the American Chemical Society, 1996, 118, 4765-4777.	13.7	30
28	Metalated 2-Alkenylsulfoximides in Asymmetric Synthesis: Diastereoselective Preparation of Highly Substituted Pyrrolidine Derivatives. Angewandte Chemie - International Edition, 1998, 37, 2883-2886.	13.8	30
29	Syntheses of novel 2,3-diaryl-substituted 5-cyano-4-azaindoles exhibiting c-Met inhibition activity. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1879-1882.	2.2	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 Euglobals G1 and G2 and Arenaran A. European Journal of Organic Chemistry, 1999, 1999, 1011-1031.	2.4	29
31	²H and ¹³C NMRâ€Based Enantiodetection Using Polyacetylene versus Polypeptide Aligning Media: Versatile and Complementary Tools for Chemists. ChemPlusChem, 2019, 84, 144-153.	2.8	29
32	Relative configuration of micrograms of natural compounds using proton residual chemical shift anisotropy. Nature Communications, 2020, 11, 4372.	12.8	25
33	Simultaneous determination of conformation and configuration using distance geometry. Journal of Organic Chemistry, 1992, 57, 6365-6367.	3.2	24
34	Polymere Katalysatoren. Nachrichten Aus Der Chemie, 1997, 45, 1196-1201.	0.0	23
35	Metallated 2â€Alkenyl Sulfoximines in Asymmetric Synthesis: Regioâ€•and Stereoselective Synthesis of Highly Substituted Tetrahydrofurans. Liebigs Annalen, 1997, 1997, 1881-1886.	0.8	22
36	Cyclic Sulfonimidates by Dynamic Diastereomer-Differentiating Cyclisation: Large-Scale Synthesis and Mechanistic Studies. Chemistry - A European Journal, 2001, 7, 1232-1239.	3.3	22

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37	Determination of the Relative Configuration by Distance Geometry Calculations with Protonâ€“Proton Distances from NOESY Spectra. Angewandte Chemie International Edition in English, 1994, 33, 753-755.	4.4	21
38	Helical Chiral Polymers without Additional Stereogenic Units: A New Class of Ligands in Asymmetric Catalysis. Angewandte Chemie, 2002, 114, 1684-1687.	2.0	20
39	Configurational analysis by residual dipolar couplings: A critical assessment of diastereomeric differentiabilities. Chirality, 2019, 31, 384-400.	2.6	20
40	Synthesis and deprotonation of 1-(p-toluenesulfonyl)-2-al-kenyl carbamates. Dichotomous achiral d1 and chiral d3 reagents for carbonyl addition directed by metal exchange. Tetrahedron Letters, 1989, 30, 2915-2918.	1.4	19
41	Enantiomerically pure Î±â€²,Î²â€²-difunctionalized Î±,Î²-enones by highly diastereoselective nucleophilic alkenoylation of chiral aldehydes. Tetrahedron Letters, 1989, 30, 2919-2922.	1.4	19
42	Diastereoselektive Hydroxyalkylierung von enantiomerenreinen 2â€Alkenylsulfoximiden. Angewandte Chemie, 1994, 106, 489-491.	2.0	16
43	Helically chiral poly(quinoxalinâ€2,3â€diyl)s: Toward the synthesis of stereoregular polymeric organocatalysts. Journal of Polymer Science Part A, 2009, 47, 4830-4839.	2.3	16
44	Asymmetric Aldol Reactions on a Soluble Polymeric Support. Organic Letters, 2000, 2, 531-533.	4.6	15
45	Selection of methyl resonances in proton-detected heteronuclear shift correlation, the hqqc experiment. Journal of Magnetic Resonance, 1991, 91, 375-379.	0.5	14
46	New Stereocontrolled Synthesis of Cyclic Sulfonimidates. Tetrahedron Letters, 1995, 36, 5885-5886.	1.4	12
47	A Modified Low-cost Preparation of Chloromethyl Methyl Ether (MOM-Cl). Synlett, 2004, 2004, 1117-1117.	1.8	12
48	C-Phosphanylated sulfoximines: synthesis and applications in asymmetric allylic substitution reactions. Tetrahedron: Asymmetry, 2006, 17, 500-503.	1.8	12
49	Câ^'C Bond-Forming Desulfurizations of Sulfoximines. Organic Letters, 2008, 10, 4081-4084.	4.6	12
50	A Novel Type of Chiral Triangulaneâ€Based Diphosphane Ligands for Transition Metals. European Journal of Organic Chemistry, 2012, 2012, 1530-1545.	2.4	12
51	Valine derived poly (acetylenes) as versatile chiral lyotropic liquid crystalline alignment media for RDCâ€based structure elucidations. Magnetic Resonance in Chemistry, 2021, 59, 577-586.	1.9	12
52	Synthesis of Highly Functionalized Azabicycles via 2-Alkenyl Sulfoximines. Synthesis, 2006, 2006, 2224-2232.	2.3	11
53	Highly Diastereoselective, Nucleophilic Alkenoylation of Enantiopure Î±-Oxy- and Î±-Aminoalkanals by Lithiated [1-(p-Toluenesulfonyl)alk-2-enyl] Carbamates. Revision of the Stereochemistry and Application to the Synthesis of a Dihydroxyethylene Dipeptide Isostere. Synthesis, 1997, 1997, 183-190.	2.3	10
54	The Advanced Floating Chirality Distance Geometry Approachâ€•How Anisotropic NMR Parameters Can Support the Determination of the Relative Configuration of Natural Products. Marine Drugs, 2020, 18, 330.	4.6	10

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55	Model-Free Approach for the Configurational Analysis of Marine Natural Products. Marine Drugs, 2021, 19, 283.	4.6	10
56	Bayesian Inference Applied to NMR-Based Configurational Assignments by Floating Chirality Distance Geometry Calculations. Journal of the American Chemical Society, 2022, 144, 6830-6838.	13.7	9
57	Molecular packing and morphological stability of dihydro-indeno[1,2-b]fluorenes in the context of their substitution pattern. RSC Advances, 2017, 7, 47183-47189.	3.6	8
58	Study and quantification of the enantiodiscrimination power of four polymeric chiral LLCs using NAD 2D-NMR. Physical Chemistry Chemical Physics, 2022, 24, 7338-7348.	2.8	8
59	Configurational Analysis by Residual Dipolar Couplings: Critical Assessment of â€œStructural Noiseâ€• from Thermal Vibrations. Angewandte Chemie - International Edition, 2021, 60, 3412-3416.	13.8	7
60	Poly(arylisocyanides) as Versatile, Enantiodiscriminating Alignment Media for Small Molecules. ChemPlusChem, 2022, 87, e202100507.	2.8	7
61	New stereocontrolled synthesis of cyclic sulfonimidates. Tetrahedron Letters, 1995, 36, 5885-5886.	1.4	6
62	A disintegrin derivative as a case study for PHIP labeling of disulfide bridged biomolecules. Scientific Reports, 2022, 12, 2337.	3.3	6
63	NMR-Based Configurational Assignments of Natural Products: Gibbs Sampling and Bayesian Inference Using Floating Chirality Distance Geometry Calculations. Marine Drugs, 2022, 20, 14.	4.6	6
64	NMR-Based Configurational Assignments of Natural Products: How Floating Chirality Distance Geometry Calculations Simplify Gambling with 2^{Nâ€“1} Diastereomers. Journal of Natural Products, 2022, 85, 1837-1849.	3.0	6
65	Fast NOESY for Micromolecules without Compromise in Distance Accuracy. Journal of Magnetic Resonance Series B, 1995, 107, 91-93.	1.6	5
66	Novel Syntheses of Variably Substituted Pyrrolo[2,3-d]thiazoles. Synthesis, 2010, 2010, 3152-3162.	2.3	5
67	Crosslinkable Bis(diphenylamine)â€Substituted Mixed Dihydroindeno[1,2â€•b]fluorenes for Solutionâ€Processed Multilayer Organic Lightâ€Emitting Diodes. ChemPlusChem, 2020, 85, 151-158.	2.8	5
68	Synthese mittlerer und groÃŸer Ringe, XXXVI. Synthese eines Ã¼berbrÃ¼ckten, inâ€konfigurierten Bicyclo[2.1.0]pentanâ€Derivates. Chemische Berichte, 1994, 127, 1263-1267.	0.2	4
69	Synthesis of Bis(4-methylphenylsulfonimidoyl)methane - The First â€˜Free' Geminal Bis(sulfoximine). Synlett, 2012, 23, 1095-1098.	1.8	4
70	A novel strategy for site selective spin-labeling to investigate bioactive entities by DNP and EPR spectroscopy. Scientific Reports, 2021, 11, 13714.	3.3	4
71	Polymeric Catalysts. , 0, , 328-336.		3
72	3-Oxo-1,3Î»6,4-oxathiazines: A Novel Class of Heterocyclic S,O-Acetals. Synthesis, 2016, 49, 403-408.	2.3	2

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73	Metalated 2-Alkenylsulfoximines: Reactivity and NMR-Spectroscopic Studies. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 95, 341-342.	1.6	1
74	2-Hydroxy-4,6-dimethoxy-3-(3-methylbutanoyl)benzaldehyde. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, o664-o666.	0.4	1
75	Synthesis of diisocyanides with phenolic groups and their polymerization to helically chiral poly(quinoxalineâ€2,3â€diyl)s. Journal of Polymer Science Part A, 2015, 53, 1320-1329.	2.3	1
76	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.	2.8	1
77	Asymmetric Allylic Substitutions with Pd Complexes of Phosphinooxazolines as Ligands - Preparative and Mechanistic Aspects. , 1998, , 105-115.		1
78	NMR anschaulich: 100 and More Basic NMR Experiments. Von S. Braun, H. O. Kalinowski und S. Berger. VCH, Weinheim, 1996. 418 S., brosch., 68,â€DM. ISBN 3â€527â€29091â€5.. Nachrichten Aus Der Chemie, 1996, 44, 1013-1014.	0.0	0
79	meta- and para-Functionalized Thermally Crosslinkable OLED-Materials through Selective Transition-Metal-Catalyzed Cross-Coupling Reactions. Synthesis, 2017, 28, 4489-4499.	2.3	0
80	Correction to â€œDirectly vs Indirectly Enhanced 13C in Dynamic Nuclear Polarization Magic Angle Spinning NMR Experiments of Nonionic Surfactant Systemsâ€• Journal of Physical Chemistry C, 2017, 121, 23847-23847.	3.1	0
81	Cover Image, Volume 31, Issue 5. Chirality, 2019, 31, i-i.	2.6	0
82	Configurational Analysis by Residual Dipolar Couplings: Critical Assessment of â€œStructural Noiseâ€• from Thermal Vibrations. Angewandte Chemie, 2021, 133, 3454-3458.	2.0	0