

Gerhard Raabe

List of Publications by Year in descending order

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86
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docs citations

86
times ranked

3135
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of four stereocentres in a triple cascade organocatalytic reaction. <i>Nature</i> , 2006, 441, 861-863.	27.8	868
2	Organocatalytic One-Pot Asymmetric Synthesis of Functionalized Tricyclic Carbon Frameworks from a Triple-Cascade/Diels-Alder Sequence. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 467-469.	13.8	247
3	Measured and calculated CD spectra of G-quartets stacked with the same or opposite polarities. <i>Chirality</i> , 2008, 20, 431-440.	2.6	202
4	Organocatalytic Kinetic Resolution of Sulfoximines. <i>Journal of the American Chemical Society</i> , 2016, 138, 2166-2169.	13.7	123
5	Asymmetric Synthesis of Spiropyrazolones by Sequential Organocatalytic and Silver Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1797-1800.	13.8	109
6	Asymmetric Synthesis of Polyfunctionalized Mono-, Bi-, and Tricyclic Carbon Frameworks via Organocatalytic Domino Reactions. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 267-279.	4.3	107
7	Organocatalytic Enantioselective Strecker Synthesis of α -Quaternary β -Trifluoromethyl Amino Acids. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3147-3152.	4.3	95
8	Ab Initio Study of the Effect of Fluorination upon the Structure and Configurational Stability of β -Sulfonyl Carbanions: The Role of Negative Hyperconjugation. <i>Journal of the American Chemical Society</i> , 1996, 118, 4622-4630.	13.7	84
9	Organocatalytic Asymmetric Synthesis of <i>trans</i> -1,3-Disubstituted Tetrahydroisoquinolines via a Reductive Amination/Aza-Michael Sequence. <i>Chemistry - A European Journal</i> , 2010, 16, 9763-9766.	3.3	83
10	Asymmetric Synthesis of Unsaturated, Fused Bicyclic Proline Analogues through Amino Alkylation of Cyclic Bis(allylsulfoximine)titanium Complexes and Migratory Cyclization of β -Amino Alkenyl Aminosulfoxonium Salts. <i>Journal of the American Chemical Society</i> , 2003, 125, 13243-13251.	13.7	78
11	Dual Secondary Amine/Heterocyclic Carbene Catalysis in the Asymmetric Michael/Cross-Benzoin Cascade Reaction of α -Oxo Sulfones with Enals. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 4298-4301.	2.4	78
12	Regio- and Enantioselective Substitution of Primary Endocyclic Allylic Sulfoximines with Organocopper and Organocuprate Reagents. The Importance of Iodide for the Allylic Substitution with Organocopper Compounds. <i>Journal of the American Chemical Society</i> , 1995, 117, 2453-2466.	13.7	75
13	Asymmetric Cyclization of α -Hydroxychalcones to Flavanones: Catalysis by Chiral Brønsted Acids and Bases. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5886-5898.	2.4	72
14	Asymmetric Synthesis of 2,3-Dihydrofurans and of Unsaturated Bicyclic Tetrahydrofurans through β -Elimination and Migratory Cyclization of Silyloxy Alkenyl Aminosulfoxonium Salts. Generation and Intramolecular O,Si-Bond Insertion of Chiral Disubstituted β -Silyloxy Alkylidene Carbenes. <i>Journal of the American Chemical Society</i> , 2004, 126, 4859-4864.	13.7	71
15	Organocatalytic solvent-free hydrogen bonding-mediated asymmetric Michael additions under ball milling conditions. <i>Green Chemistry</i> , 2013, 15, 612.	9.0	66
16	Asymmetric Synthesis of anti-Homopropargylic Alcohols from Aldehydes and Chiral Sulfonylimidoyl Substituted Bis(allyl)titanium Complexes through Generation and Elimination of Novel Chiral Alkylidenecarbene (Dimethylamino)sulfoxonium Ylides. <i>Journal of the American Chemical Society</i> , 2002, 124, 10427-10434.	13.7	60
17	Asymmetric, Three-Component, One-Pot Synthesis of Spiropyrazolones and 2,5-Chromenediones from Aldol Condensation/NHC-Catalyzed Annulation Reactions. <i>Chemistry - A European Journal</i> , 2016, 22, 5123-5127.	3.3	59
18	Rhodium-Catalyzed [4 + 3] Annulations of Sulfoximines with β , β -Unsaturated Ketones Leading to 1,2-Benzothiazepine 1-Oxides. <i>Organic Letters</i> , 2017, 19, 6020-6023.	4.6	56

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19	Synthesis of Sulfoximidoyl-Containing Hypervalent Iodine(III) Reagents and Their Use in Transition-Metal-Free Sulfoximidations of Alkynes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12655-12658.	13.8	55
20	Asymmetric Synthesis of <i>cis</i> -3,4-Disubstituted Chromans and Dihydrocoumarins via an Organocatalytic Michael Addition/ Hemiacetalization Reaction. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2869-2874.	4.3	51
21	General and Efficient Organocatalytic Synthesis of Indoloquinolizidines, Pyridoquinazolines and Quinazolinones through a One-Pot Domino Michael Addition-Cyclization-Pictet-Spengler or 1,2-Amine Addition Reaction. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2853-2859.	4.3	51
22	Polyketides from the marine-derived fungus <i>Ascochyta salicorniae</i> and their potential to inhibit protein phosphatases. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2233-2240.	2.8	49
23	Functionalized Chiral Vinyl Aminosulfoxonium Salts: Asymmetric Synthesis and Application to the Synthesis of Enantiopure Unsaturated Prolines, \hat{I}^2, \hat{I}^3 -Dehydro Amino Acids, and Cyclopentanoid Keto Aminosulfoxonium Ylides. <i>Journal of the American Chemical Society</i> , 2006, 128, 7360-7373.	13.7	48
24	Asymmetric Synthesis of Polyfunctionalized Pyrrolidines via a Thiourea Catalyzed Domino Mannich/Aza-Michael Reaction. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2863-2868.	4.3	48
25	N-Methylsulfonylimidoyl-Substituted (2-Alkenyl)titanium Complexes: Application to the Synthesis of \hat{I}^2 - and \hat{I}^3 -Sulfonylimidoyl-Substituted Chiral Homoallylic Alcohols, X-ray Crystal Structure Analysis, and Fluxional Behavior. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3973-4009.	2.4	44
26	Asymmetric synthesis of functionalized cyclohexanes bearing five stereocenters via a one-pot organocatalytic Michael-Michael 1,2-addition sequence. <i>Chemical Communications</i> , 2014, 50, 6853-6855.	4.1	44
27	Asymmetric Synthesis of Protected \hat{I}^2 -Substituted and \hat{I}^2, \hat{I}^2 -Disubstituted \hat{I}^2 -Amino Acids Bearing Branched Hydroxyalkyl Side Chains and of Protected 1,3-Amino Alcohols with Three Contiguous Stereogenic Centers from Allylic Sulfoximines and Aldehydes. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1500-1526.	2.4	42
28	Palladium-Catalyzed C-H Bond Acetoxylation: An Approach to ortho-Substituted Hydroxy[2.2]paracyclophane Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3237-3249.	4.3	42
29	Control of Six Contiguous Stereocenters in an Asymmetric Organocatalytic One-Pot Michael/Michael/Aldol Addition Sequence. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1481-1488.	4.3	40
30	A Short Asymmetric Synthesis of the Benzopyrano[3,4-c]pyrrolidine Core via an Organocatalytic Domino Oxa-Michael/Michael Reaction. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2629-2634.	4.3	34
31	Experimental and Theoretical Investigation of the Enantiomerization of Lithium \hat{I}^{\pm} -tert-Butylsulfonyl Carbanion Salts and the Determination of Their Structures in Solution and in the Crystal. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4559-4587.	2.4	33
32	Chiral Fluorinated \hat{I}^{\pm} -Sulfonyl Carbanions: Enantioselective Synthesis and Electrophilic Capture, Racemization Dynamics, and Structure. <i>Chemistry - A European Journal</i> , 2013, 19, 3869-3897.	3.3	33
33	NHC-Catalyzed Asymmetric Synthesis of Functionalized Succinimides from Enals and \hat{I}^{\pm} -Ketoamides. <i>Chemistry - A European Journal</i> , 2015, 21, 8033-8037.	3.3	33
34	Asymmetric Synthesis of Spiropyrazolones by Sequential Organo- and Silver Catalysis. <i>Angewandte Chemie</i> , 2016, 128, 1829-1832.	2.0	31
35	Sulfonyl-Stabilized Allylic Norbornenyl and Norbornyl Carbanions: Structure and Stereoselectivity of Reaction with Electrophiles. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 1627-1651.	2.4	30
36	Sulfoximine-Directed Single and Double ortho-Lithiation: Stereoselective Rearrangements of ortho-, ortho- \hat{I}^2 -Dilithiophenylsulfoximines to ortho-, ortho-N-Dilithiosulfinylanilines through Anionic Fries Rearrangements of ortho-, ortho- \hat{I}^2 -Dilithiophenylsulfinamides. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2431-2449.	2.4	29

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37	1-(N-trimethylsilyl-S-phenylsulfonimidoyl)-3-methyl-2-butenyl Lithium \cdot 2(12-Crown-4): Structure of a lithiated allylic sulfoximine in the crystal and comparison with model ab initio calculations. <i>Tetrahedron Letters</i> , 1995, 36, 7437-7440.	1.4	28
38	Enantioselective Synthesis, Configurational Stability, and Reactivity of Lithium \pm -tert-butylsulfonyl Carbanion Salts. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4588-4616.	2.4	28
39	Lithium Salts of Conformationally Constrained and Restricted Chiral Allylic \pm -Sulfonyl Carbanions \hat{A} A Joint Study of their Structures, Dynamics, and Stereoselectivities. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 4275.	2.4	26
40	Modular Asymmetric Synthesis of Functionalized Azaspirocycles Based on the Sulfoximine Auxiliary. <i>Organic Letters</i> , 2007, 9, 2155-2158.	4.6	26
41	Organocatalytic Asymmetric Allylic Alkylations of Sulfoximines. <i>Organic Letters</i> , 2018, 20, 7367-7370.	4.6	26
42	Asymmetric Synthesis of Highly Substituted \hat{I}^3 -Amino Acids from Allyltitanium Sulfoximines. <i>Organic Letters</i> , 2007, 9, 1231-1234.	4.6	25
43	N-Heterocyclic carbene-catalyzed [4+2] annulation of \hat{I}^2 -methyl enals and cyclic trifluoromethyl ketimines for the asymmetric synthesis of dihydroquinazolinone derivatives. <i>Chemical Communications</i> , 2017, 53, 11342-11344.	4.1	25
44	N-Heterocyclic Carbene Catalyzed Enantioselective Annulation of Benzothiazolyl Ethyl Acetates with 2-Bromo-enals. <i>Synlett</i> , 2015, 26, 1465-1469.	1.8	22
45	Squaramide-catalyzed domino Michael/aza-Henry [3 + 2] cycloaddition: asymmetric synthesis of functionalized 5-trifluoromethyl and 3-nitro substituted pyrrolidines. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1416-1419.	4.5	22
46	Desymmetrization of Cyclopentenediones <i>via</i> Organocatalytic Cross-Dehydrogenative Coupling. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3729-3734.	4.3	22
47	X-ray crystal structure analysis of bis[(dimethylisopropoxysilyl)methyl]zinc, a diorganozinc compound with an oxygen-coordinated trigonal-planar zinc atom in the solid state. <i>Journal of the American Chemical Society</i> , 1993, 115, 7215-7218.	13.7	21
48	Calculation of the Proton Affinities of Primary, Secondary, and Tertiary Amines Using Semiempirical and ab initio Methods. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2000, 55, 687-694.	1.5	20
49	An Asymmetric Organocatalytic Quadruple Cascade to Tetraaryl-Substituted 2-Azabicyclo[3.3.0]octadienones. <i>Synthesis</i> , 2014, 46, 1539-1546.	2.3	20
50	Synthesis of Phosphanyl Sulfoximines Through Phospha-Michael Reaction of Alkenyl Sulfoximines and Their Evaluation as Chiral Bidentate 1,5-N,P Ligands for Palladium in Asymmetric Allylic Alkylation. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2157-2175.	2.4	19
51	Asymmetric Synthesis of Cyclopentane-Substituted Oxindoles <i>via</i> Organocatalytic Desymmetrization of Cyclopent-4-ene-1,3-diones. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1867-1871.	4.3	19
52	Asymmetric Synthesis of Isocarbacyclin Based on the Olefination-Isomerization-Coupling Process with Chiral Sulfoximines. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 1319-1335.	2.4	18
53	Exploration of the Bis(thio)urea-Catalyzed Atropselective Synthesis of Marinopyrrole A. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2170-2176.	2.4	18
54	Asymmetric Synthesis of Spiro Tetrahydrothiophene-indan-1,3-diones via a Squaramide-Catalyzed Sulfa-Michael/Aldol Domino Reaction. <i>Synthesis</i> , 2016, 48, 1131-1138.	2.3	17

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55	Synthesis of Sulfoximidoyl-Containing Hypervalent Iodine(III) Reagents and Their Use in Transition-Metal-Free Sulfoximidations of Alkynes. <i>Angewandte Chemie</i> , 2016, 128, 12845-12848.	2.0	16
56	An attempt to determine the absolute configuration of two ascolactone stereoisomers with time-dependent density functional theory. <i>Chirality</i> , 2006, 18, 413-418.	2.6	15
57	Synthesis of Planar Chiral Carbazole Derivatives Bearing a [2.2]Paracyclophane Skeleton. <i>Israel Journal of Chemistry</i> , 2012, 52, 171-179.	2.3	13
58	Spiro- and Bicycloannulation of Sulfoximine-Substituted 2-Hydroxy-dihydropyrans: Enantioselective Synthesis of Spiroketal, Spiroethers, and Oxabicycles and Structure of Dihydropyran Oxocarbenium Ions. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 529-553.	2.4	13
59	Asymmetric Organocatalytic Friedel-Crafts Hydroxyalkylation of Indoles Using Electrophilic Pyrazole-4,5-diones. <i>Synthesis</i> , 2018, 50, 1039-1046.	2.3	13
60	Asymmetric N-Heterocyclic Carbene Catalyzed Annulation of 2-Alkenylbenzothiazoles with α -Chloro Aldehydes. <i>Synthesis</i> , 2015, 47, 421-428.	2.3	11
61	Organocatalytic Asymmetric Domino Michael/Henry Reaction of Indolin-3-ones with <i>o</i> -Formyl- β -nitrostyrenes. <i>Synthesis</i> , 2015, 47, 1024-1031.	2.3	11
62	Chiral Lithiated Allylic α -Sulfonyl Carbanions: Experimental and Computational Study of Their Structure, Configurational Stability, and Enantioselective Synthesis. <i>Chemistry - A European Journal</i> , 2015, 21, 17904-17920.	3.3	10
63	Asymmetric Synthesis of Tetrahydropyridines via a Brønsted Acid Catalyzed Aza-Diels-Alder Reaction. <i>Synthesis</i> , 2015, 47, 3813-3821.	2.3	10
64	Asymmetric Synthesis of Functionalized Bicyclic α -Amino Alcohols by Cascade Hydrometallation-Cyclization-Reduction of Glycinyll-Substituted Alkenylsulfoxamines Application to the Synthesis of an Aggregase Inhibitor Mimic. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5991-6008.	2.4	9
65	ϵ -Thioguanine in DNA as CD-spectroscopic probe to study local structural changes upon protein binding. <i>Chirality</i> , 2008, 20, 978-984.	2.6	8
66	Asymmetric Synthesis of Gonioheptolide A Analogues via an Organocatalytic Aldol Reaction as the Key Step. <i>Synthesis</i> , 2012, 44, 3483-3488.	2.3	8
67	Asymmetric Michael addition of 1,3-bis(phenylthio)propan-2-one to nitroalkenes employing Takemoto's thiourea catalyst. <i>Monatshefte für Chemie</i> , 2013, 144, 641-646.	1.8	8
68	Asymmetric Synthesis of Tetrahydrobenzofurans and Annulated Dihydropyrans via Cooperative One-Pot Organo- and Silver-Catalysis. <i>Synthesis</i> , 2016, 48, 3207-3216.	2.3	8
69	One-Pot Synthesis of 1-Substituted 1H-Isochromenes by Combining Brønsted Acid with Silver Catalysis. <i>Synthesis</i> , 2017, 49, 1243-1254.	2.3	8
70	Quantum-chemical calculations on the electronic circular dichroism of (α)-dibromophakellin and (β)-dibromophakellin. <i>Chirality</i> , 2007, 19, 542-549.	2.6	7
71	The Use of Quantum-Chemical Semiempirical Methods to Calculate the Lattice Energies of Organic Molecular Crystals. Part II: The Lattice Energies of α - and β -Oxalic Acid (COOH) ₂ . <i>Zeitschrift für Naturforschung - Section A Journal of Physical Sciences</i> , 2002, 57, 961-966.	1.5	6
72	Proton affinities and relative basicities of two 1,4,7-triazacyclononanes, Me ₃ TACN and TP-TACN. Quantum-chemical ab initio calculations, solution measurements, and the structure of [TP-TACN-2H] ²⁺ in the solid state. <i>Tetrahedron</i> , 2005, 61, 12371-12376.	1.9	6

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73	Quantum-Chemical ab initio Calculations on the Three Isomers of Diborabenzene (C ₄ H ₄ B ₂). Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 113-122.	1.5	6
74	Sulfoximine-Based Modular Enantioselective Synthesis of Azaspirocycles Featuring Sulfoximine Displacement, Dianion Cycloalkylation, RCM and <i>N</i> -Acyliminium Ion Formation. European Journal of Organic Chemistry, 2014, 2014, 3355-3371.	2.4	6
75	Organocatalytic Asymmetric Synthesis of Dihydroisoquinolinones via a One-Pot Aza-Henry-Hemiaminalization-Oxidation Sequence. Synthesis, 2015, 47, 472-480.	2.3	6
76	Experimental and Computational Studies of the Structure of Sulfonimidoyl Vinylolithiums. Chemistry - A European Journal, 2017, 23, 14231-14247.	3.3	6
77	Asymmetric Synthesis of Cyclopentene-Fused Tetrahydroquinolines via N-Heterocyclic Carbene Catalyzed Domino Reactions. Synthesis, 2018, 50, 2523-2532.	2.3	6
78	Quantum-Chemical Ab Initio Calculations on Ala-(C ₅ H ₅ Al) and Galabenzene (C ₅ H ₅ Ga). Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2014, 69, 349-359.	1.5	5
79	Cross-Coupling Reaction of Alkenyl Sulfoximines and Alkenyl Aminosulfoxonium Salts with Organozincs by Dual Nickel Catalysis and Lewis Acid Promotion. Chemistry - A European Journal, 2019, 25, 8371-8386.	3.3	5
80	Determination of the Absolute Configuration of Rubroflavin by Comparison of Measured and Calculated CD Spectra of its Thermolysis Product 3-Methanesulfinyl-5-Methylmercaptophenol. Enantiomer, 2002, 7, 77-83.	0.5	3
81	Regiospecific naphthyl nitration of 5,10,15,20-tetranaphthylporphyrin. Journal of Physical Organic Chemistry, 2011, 24, 1030-1038.	1.9	2
82	Lithium-Titanium Exchange of Tertiary β -Sulfonyl Carbanions: Synthesis, Structure, Dynamics and Reactivity of Bis(1-sulfonylalkyl)titaniums. European Journal of Organic Chemistry, 2014, 2014, 7134-7147.	2.4	2
83	Design, Synthesis, and Evaluation of <i>N</i> -(<i>tert</i> -Butyl)Alanine-Derived Chiral Ligands - Aspects of Reactivity and Diastereoselectivity in the Reactions with β -Amino Acids. European Journal of Organic Chemistry, 2017, 2017, 3211-3221.	2.4	2
84	Quantum-Chemical Ab Initio Calculations on Inda- and Thallabenzene (C ₅ H ₅ In and C ₅ H ₅ Tl) and their Structural Isomers β -5-C ₅ H ₅ In and β -5-C ₅ H ₅ Tl. Australian Journal of Chemistry, 2018, 71, 102.	0.9	1
85	Semiempirical Calculations on the Dipole Moment Enhancement in the Solid State. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 977-979.	1.5	0