## **Christian Wolf**

## List of Publications by Year in descending order

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61984 95266 5,376 119 43 68 citations h-index g-index papers 122 122 122 3876 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Chirality sensing using stereodynamic probes with distinct electronic circular dichroism output. Chemical Society Reviews, 2013, 42, 5408.	38.1	290
2	Enantioselective Sensing of Chiral Carboxylic Acids. Journal of the American Chemical Society, 2004, 126, 14736-14737.	13.7	164
3	Stereolabile chiral compounds: analysis by dynamic chromatography and stopped-flow methods. Chemical Society Reviews, 2005, 34, 595.	38.1	163
4	Asymmetric synthesis with ynamides: unique reaction control, chemical diversity and applications. Chemical Society Reviews, 2020, 49, 8543-8583.	38.1	141
5	Palladiumâ^'Phosphinous Acid-Catalyzed NaOH-Promoted Cross-Coupling Reactions of Arylsiloxanes with Aryl Chlorides and Bromides in Water. Organic Letters, 2004, 6, 1147-1150.	4.6	133
6	Determination of Enantiomeric Excess and Concentration of Unprotected Amino Acids, Amines, Amino Alcohols, and Carboxylic Acids by Competitive Binding Assays with a Chiral Scandium Complex. Journal of the American Chemical Society, 2006, 128, 13326-13327.	13.7	131
7	Bisoxazolidine-Catalyzed Enantioselective Alkynylation of Aldehydes. Journal of the American Chemical Society, 2006, 128, 10996-10997.	13.7	128
8	Optical Analysis of Reaction Yield and Enantiomeric Excess: A New Paradigm Ready for Prime Time. Journal of the American Chemical Society, 2018, 140, 10385-10401.	13.7	127
9	Asymmetric Nitroaldol Reaction Catalyzed by a C <sub>2</sub> -Symmetric Bisoxazolidine Ligand. Organic Letters, 2008, 10, 1831-1834.	4.6	121
10	Catalytic Enantioselective Difluoroalkylation of Aldehydes. Angewandte Chemie - International Edition, 2013, 52, 7869-7873.	13.8	120
11	Chirality Sensing of Amines, Diamines, Amino Acids, Amino Alcohols, and $\hat{l}_{\pm}$ -Hydroxy Acids with a Single Probe. Journal of the American Chemical Society, 2013, 135, 18052-18055.	13.7	120
12	Asymmetric Copper(I)-Catalyzed Henry Reaction with an Aminoindanol-Derived Bisoxazolidine Ligand. Organic Letters, 2009, 11, 4724-4727.	4.6	117
13	Stereodynamic Chemosensor with Selective Circular Dichroism and Fluorescence Readout for in Situ Determination of Absolute Configuration, Enantiomeric Excess, and Concentration of Chiral Compounds. Journal of the American Chemical Society, 2013, 135, 12200-12203.	13.7	107
14	Efficient Stille Cross-Coupling Reaction Using Aryl Chlorides or Bromides in Water. Journal of Organic Chemistry, 2003, 68, 7551-7554.	3.2	103
15	Use of Highly Active Palladium-Phosphinous Acid Catalysts in Stille, Heck, Amination, and Thiation Reactions of Chloroquinolines. Journal of Organic Chemistry, 2003, 68, 7077-7084.	3.2	94
16	Palladium–phosphinous acid-catalyzed Sonogashira cross-coupling reactions in water. Organic and Biomolecular Chemistry, 2004, 2, 2161-2164.	2.8	94
17	Catalytic Enantioselective and Diastereoselective Allylic Alkylation with Fluoroenolates: Efficient Access to C3â€Fluorinated and Allâ€Carbon Quaternary Oxindoles. Angewandte Chemie - International Edition, 2017, 56, 1390-1395.	13.8	91
18	Efficient Synthesis of Sterically Crowded Biaryls by Palladium-Phosphinous Acid-Catalyzed Cross-Coupling of Aryl Halides and Aryl Grignards. Journal of Organic Chemistry, 2008, 73, 162-167.	3.2	87

#	Article	IF	CITATIONS
19	Chiral Amplification with a Stereodynamic Triaryl Probe: Assignment of the Absolute Configuration and Enantiomeric Excess of Amino Alcohols. Journal of the American Chemical Society, 2009, 131, 16360-16361.	13.7	85
20	Regioselective Copper-Catalyzed Amination of Bromobenzoic Acids Using Aliphatic and Aromatic Amines. Journal of Organic Chemistry, 2006, 71, 3270-3273.	3.2	81
21	Asymmetric catalysis with chiral oxazolidine ligands. Chemical Communications, 2011, 47, 3339.	4.1	80
22	Enantioselective Analysis of an Asymmetric Reaction Using a Chiral Fluorosensor. Organic Letters, 2005, 7, 4045-4048.	4.6	78
23	A Stereodynamic Probe Providing a Chiroptical Response to Substrate-Controlled Induction of an Axially Chiral Arylacetylene Framework. Journal of the American Chemical Society, 2011, 133, 2414-2417.	13.7	78
24	An enantioselective fluorescence sensing assay for quantitative analysis of chiral carboxylic acids and amino acid derivatives. Chemical Communications, 2006, , 4242.	4.1	74
25	Terminal ynamides: synthesis, coupling reactions, and additions to common electrophiles. Tetrahedron Letters, 2015, 56, 2377-2392.	1.4	74
26	Synthesis of Conformationally Stable 1,8-Diarylnaphthalenes:  Development of New Photoluminescent Sensors for Ion-Selective Recognition. Journal of the American Chemical Society, 2003, 125, 10651-10658.	13.7	71
27	Synthesis of a Sterically Crowded Atropisomeric 1,8-Diacridylnaphthalene for Dual-Mode Enantioselective Fluorosensing. Journal of Organic Chemistry, 2006, 71, 2854-2861.	3.2	70
28	Efficient Access to Multifunctional Trifluoromethyl Alcohols through Baseâ€Free Catalytic Asymmetric Câ^'C Bond Formation with Terminal Ynamides. Angewandte Chemie - International Edition, 2016, 55, 2929-2933.	13.8	70
29	Biomimetic Chirality Sensing with Pyridoxal-5′-phosphate. Journal of the American Chemical Society, 2017, 139, 1758-1761.	13.7	70
30	Synthesis of Pentafluorinated β-Hydroxy Ketones. Journal of Organic Chemistry, 2012, 77, 8840-8844.	3.2	67
31	Enantioselective Fluorescence Sensing of Chiral α-Amino Alcohols. Journal of Organic Chemistry, 2008, 73, 4267-4270.	3.2	59
32	Chiroptical Asymmetric Reaction Screening via Multicomponent Self-Assembly. Journal of the American Chemical Society, 2016, 138, 13517-13520.	13.7	57
33	Miniature high-throughput chemosensing of yield, ee, and absolute configuration from crude reaction mixtures. Science Advances, 2016, 2, e1501162.	10.3	53
34	Asymmetric Friedel–Crafts Reaction of Indoles with Ethyl Trifluoropyruvate Using a Copper(I)â€Bisoxazolidine Catalyst. Advanced Synthesis and Catalysis, 2011, 353, 760-766.	4.3	52
35	A High-Throughput Screening Protocol for Fast Evaluation of Enantioselective Catalysts. Journal of Organic Chemistry, 2002, 67, 2727-2729.	3.2	51
36	Formation of New Polymorphs of Acridine Using Dicarboxylic Acids as Crystallization Templates in Solution. Crystal Growth and Design, 2004, 4, 1099-1103.	3.0	51

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37	Sensing of the concentration and enantiomeric excess of chiral compounds with tropos ligand derived metal complexes. Chemical Communications, 2013, 49, 7010.	4.1	51
38	Comprehensive Chirality Sensing: Development of Stereodynamic Probes with a Dual (Chir)optical Response. Journal of Organic Chemistry, 2014, 79, 6517-6531.	3.2	50
39	Synthesis of chiral tertiary trifluoromethyl alcohols by asymmetric nitroaldol reaction with a Cu(ii)-bisoxazolidine catalyst. Chemical Communications, 2010, 46, 8026.	4.1	48
40	Asymmetric Synthesis of Chiral 1,3â€Diaminopropanols: Bisoxazolidineâ€Catalyzed CC Bond Formation with αâ€Keto Amides. Angewandte Chemie - International Edition, 2011, 50, 12249-12252.	13.8	48
41	Chiral Amplification Based on Enantioselective Dual-Phase Distribution of a Scalemic Bisoxazolidine Catalyst. Organic Letters, 2007, 9, 2965-2968.	4.6	47
42	Substrateâ€Specific Amino Acid Sensing Using a Molecular d /  l â€Cysteine Probe for Comprehensive Stereochemical Analysis in Aqueous Solution. Angewandte Chemie - International Edition, 2017, 56, 7276-7281.	13.8	47
43	Palladium-Catalyzed Suzuki–Miyaura Cross-Coupling Using Phosphinous Acids and Dialkyl(chloro)phosphane Ligands. European Journal of Organic Chemistry, 2006, 2006, 1917-1925.	2.4	46
44	Quantitative Chiroptical Sensing of Free Amino Acids, Biothiols, Amines, and Amino Alcohols with an Aryl Fluoride Probe. Journal of the American Chemical Society, 2019, 141, 16382-16387.	13.7	46
45	Catalytic Asymmetric Mannich Reaction of $\hat{l}\pm$ -Fluoronitriles with Ketimines: Enantioselective and Diastereodivergent Construction of Vicinal Tetrasubstituted Stereocenters. ACS Catalysis, 2019, 9, 2169-2176.	11,2	45
46	Chirality imprinting and direct asymmetric reaction screening using a stereodynamic $Br\tilde{A}_{,n}$ sted/Lewis acid receptor. Nature Communications, 2016, 7, 12539.	12.8	43
47	Catalytic Enantioselective Addition of Diethylzinc to Trifluoromethyl Ketones. Organic Letters, 2008, 10, 3915-3918.	4.6	42
48	Click chemistry enables quantitative chiroptical sensing of chiral compounds in protic media and complex mixtures. Nature Communications, 2018, 9, 5323.	12.8	39
49	Optical Chirality Sensing with an Auxiliaryâ€Free Earthâ€Abundant Cobalt Probe. Angewandte Chemie - International Edition, 2019, 58, 1198-1202.	13.8	39
50	Determination of enantiomeric excess and concentration of chiral compounds using a 1,8-diheteroarylnaphthalene-derived fluorosensor. Tetrahedron Letters, 2006, 47, 7901-7904.	1.4	38
51	Investigation of the Stereodynamics of Axially Chiral 1,8-Bis(2,2â€⁻-diphenyl-4,4â€⁻-dipyridyl)naphthalene and Cryogenic Separation of Itssyn/anti-Isomers. Journal of Physical Chemistry A, 2003, 107, 815-817.	2.5	37
52	Enantioselective Sensing of Amines Based on $[1+1]$ -, $[2+2]$ -, and $[1+2]$ -Condensation with Fluxional Arylacetylene-Derived Dialdehydes. Organic Letters, 2011, 13, 2602-2605.	4.6	36
53	Bisoxazolidine-Catalyzed Enantioselective Reformatsky Reaction. Journal of Organic Chemistry, 2011, 76, 6372-6376.	3.2	32
54	Quantitative chirality sensing of amines and amino alcohols via Schiff base formation with a stereodynamic UV/CD probe. Organic and Biomolecular Chemistry, 2016, 14, 1934-1939.	2.8	32

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55	Synthesis and evaluation of a copolymeric chiral stationary phase. Journal of Chromatography A, 1998, 799, 177-184.	3.7	31
56	Synthesis, Conformational Stability, and Asymmetric Transformation of Atropisomeric 1,8-Bisphenolnaphthalenes. Journal of Organic Chemistry, 2011, 76, 3888-3897.	3.2	30
57	Stereoselective Synthesis of 3,3'â€Bisindolines by Organocatalytic Michael Additions of Fluorooxindole Enolates to Isatylidene Malononitriles in Aqueous Solution. Advanced Synthesis and Catalysis, 2017, 359, 4165-4169.	4.3	30
58	Catalytic Enantioselective Ynamide Additions to Isatins: Concise Access to Oxindole Alkaloids. Angewandte Chemie - International Edition, 2019, 58, 3402-3406.	13.8	30
59	Catalytic enantioselective nucleophilic addition of ynamides to aldehydes. Chemical Communications, 2014, 50, 3151.	4.1	29
60	Organocatalytic Asymmetric Synthesis of $\hat{l}$ ±-Oxetanyl and $\hat{l}$ ±-Azetidinyl Tertiary Alkyl Fluorides and Chlorides. Organic Letters, 2018, 20, 892-895.	4.6	29
61	Chiroptical sensing of citronellal: systematic development of a stereodynamic probe using the concept of isostericity. Chemical Communications, 2012, 48, 11226.	4.1	28
62	Organocatalytic Insertion of Isatins into Aryl Difluoronitromethyl Ketones. Journal of Organic Chemistry, 2017, 82, 1273-1278.	3.2	28
63	Discoidin Domain Receptor 1 is a therapeutic target for neurodegenerative diseases. Human Molecular Genetics, 2020, 29, 2882-2898.	2.9	28
64	Neutral and Ionic Supramolecular Structures of Unsaturated Dicarboxylic Acids and Acridine: Significance of Molecular Geometry and Proton Transfer. European Journal of Organic Chemistry, 2004, 2004, 4340-4347.	2.4	27
65	Conformational polymorphism of 1,8-dipyridylnaphthalene and encapsulation of chains of fused cyclic water pentamers in a hydrophobic crystal environment. CrystEngComm, 2006, 8, 377.	2.6	27
66	Catalytic insertion of aldehydes into dihalonitroacetophenones via sequential bond scission-aldol reaction-acyl transfer. Chemical Communications, 2016, 52, 3576-3579.	4.1	27
67	Katalytische enantioselektive und diastereoselektive allylische Alkylierung mit Fluorenolaten: Synthese von C3â€fluorierten und quartÃren Oxindolen. Angewandte Chemie, 2017, 129, 1411-1416.	2.0	27
68	Basenfreie katalytische asymmetrische Câ€Câ€Kupplung mit terminalen Inamiden als effizienter Zugang zu multifunktionellen Trifluormethylalkoholen. Angewandte Chemie, 2016, 128, 2982-2986.	2.0	26
69	Organocatalytic Stereoselective Synthesis of Fluorinated 3,3′-Linked Bisoxindoles. Journal of Organic Chemistry, 2018, 83, 1661-1666.	3.2	26
70	Enantiodifferentiation of multifunctional tertiary alcohols by NMR spectroscopy with a Whelk-O type chiral solvating agent. Tetrahedron: Asymmetry, 2014, 25, 163-169.	1.8	25
71	High-Throughput Determination of Enantiopurity by Microplate Circular Dichroism. Journal of Organic Chemistry, 2020, 85, 10858-10864.	3.2	24
72	Elucidation of the presence and location of t-Boc protecting groups in amines and dipeptides using on-column H/D exchange HPLC/ESI/MS. Journal of the American Society for Mass Spectrometry, 2005, 16, 553-564.	2.8	23

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73	Enantioselective CD analysis of amino acids based on chiral amplification with a stereodynamic probe. Tetrahedron, 2010, 66, 3989-3994.	1.9	23
74	Enantioselective sensing of chiral amino alcohols with a stereodynamic arylacetyleneâ€based probe. Chirality, 2012, 24, 584-589.	2.6	23
75	Antenna Biphenols: Development of Extended Wavelength Chiroptical Reporters. Journal of Organic Chemistry, 2016, 81, 1185-1191.	3.2	23
76	Stereoselective UV Sensing of 1,2-Diaminocyclohexane Isomers Based on Ligand Displacement with a Diacridylnaphthalene ⟨i⟩N,N′⟨/i⟩-Dioxide Scandium Complex. Journal of Organic Chemistry, 2012, 77, 5203-5208.	3.2	21
77	Optical Chirality Sensing with a Stereodynamic Aluminum Biphenolate Probe. Journal of Organic Chemistry, 2019, 84, 4639-4645.	3.2	20
78	Stereoselective Sensing by Substrate-Controlledsyn/anti Interconversion of a Stereodynamic Fluorosensor. European Journal of Organic Chemistry, 2004, 2004, 3850-3856.	2.4	19
79	Optical Terpene and Terpenoid Sensing: Chiral Recognition, Determination of Enantiomeric Composition and Total Concentration Analysis with Late Transition Metal Complexes. Journal of the American Chemical Society, 2020, 142, 4121-4125.	13.7	19
80	Chiroptical sensing of unprotected amino acids, hydroxy acids, amino alcohols, amines and carboxylic acids with metal salts. Chemical Communications, 2019, 55, 6297-6300.	4.1	18
81	Copper-Catalyzed C-N Bond Formation with N-Heterocycles and Aryl Halides. Synlett, 2012, 23, 1240-1244.	1.8	16
82	Quantitative Chirality and Concentration Sensing of Alcohols, Diols, Hydroxy Acids, Amines and Amino Alcohols using Chlorophosphite Sensors in a Relay Assay. Angewandte Chemie - International Edition, 2020, 59, 21382-21386.	13.8	16
83	A Convenient Method for the Determination of the Absolute Configuration of Chiral Amines. Journal of Organic Chemistry, 2003, 68, 3287-3290.	3.2	15
84	Circular Dichroism Sensing of Chiral Compounds Using an Achiral Metal Complex as Probe. Chirality, 2014, 26, 379-384.	2.6	15
85	Detrifluoroacetylative Generation of Halogenated Enolates: Practical Access to Perhalogenated Ketones and Alkenes. Synthesis, 2016, 48, 2376-2384.	2.3	15
86	Chirality Sensing With Stereodynamic Biphenolate Zinc Complexes. Chirality, 2015, 27, 700-707.	2.6	14
87	Tandem Use of Optical Sensing and Machine Learning for the Determination of Absolute Configuration, Enantiomeric and Diastereomeric Ratios, and Concentration of Chiral Samples. Angewandte Chemie - International Edition, 2020, 59, 2440-2448.	13.8	14
88	Optical deciphering of multinary chiral compound mixtures through organic reaction based chemometric chirality sensing. Nature Communications, 2021, 12, 6451.	12.8	14
89	Catalytic Asymmetric Allylic Amination with Isatins, Sulfonamides, Imides, Amines, and <i>N</i> -Heterocycles. Organic Letters, 2020, 22, 3180-3184.	4.6	13
90	Rapid organocatalytic chirality analysis of amines, amino acids, alcohols, amino alcohols and diols with achiral iso(thio)cyanate probes. Chemical Science, 2021, 12, 8784-8790.	7.4	13

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91	Chiroptical sensing of amino acids, amines, amino alcohols, alcohols and terpenes with π-extended acyclic cucurbiturils. Organic and Biomolecular Chemistry, 2021, 19, 4248-4253.	2.8	12
92	Novel Ubiquitin Specific Protease-13 Inhibitors Alleviate Neurodegenerative Pathology. Metabolites, 2021, 11, 622.	2.9	12
93	Enantioselective sensing of carboxylic acids with a bis(urea)oligo(phenylene)ethynylene foldamer. Tetrahedron, 2019, 75, 1504-1509.	1.9	12
94	Chiroptical Switching and Quantitative Chirality Sensing with (Pseudo)halogenated Quinones. Angewandte Chemie - International Edition, 2021, 60, 27031-27038.	13.8	12
95	Chirality sensing with stereodynamic copper(I) complexes. Chirality, 2017, 29, 663-669.	2.6	11
96	Ninhydrin Revisited: Quantitative Chirality Recognition of Amines and Amino Alcohols Based on Nondestructive Dynamic Covalent Chemistry. Journal of Organic Chemistry, 2020, 85, 11560-11565.	3.2	11
97	Substratspezifische Analyse von AminosÄuren mit Sensoren fļr d /  l â€Cystein: umfassende stereochemische Untersuchungen in wÄssriger LĶsung. Angewandte Chemie, 2017, 129, 7382-7387.	2.0	10
98	Catalytic Enantioselective Ynamide Additions to Isatins: Concise Access to Oxindole Alkaloids. Angewandte Chemie, 2019, 131, 3440-3444.	2.0	10
99	Optische ChiralitÃtssensorik mit ligandenfreien, weit verbreiteten Cobaltsalzen. Angewandte Chemie, 2019, 131, 1211-1215.	2.0	10
100	Stereochemical analysis of chiral amines, diamines, and amino alcohols: Practical chiroptical sensing based on dynamic covalent chemistry. Chirality, 2020, 32, 457-463.	2.6	10
101	Palladium and Nickel Catalyzed Suzuki Cross-Coupling with Alkyl Fluorides. Organic Letters, 2021, 23, 8994-8999.	4.6	9
102	Organocatalytic Decarboxylative Cyanomethylation of Difluoromethyl and Trifluoromethyl Ketones. Advanced Synthesis and Catalysis, 2018, 360, 4705-4709.	4.3	8
103	Unified sensing of the concentration and enantiomeric composition of chiral compounds with an achiral probe. CheM, 2022, 8, 1734-1749.	11.7	8
104	Chemodivergent Csp <sup>3</sup> â"€F bond functionalization and cross-electrophile alkyl-alkyl coupling with alkyl fluorides. Science Advances, 2022, 8, .	10.3	8
105	Accelerated Asymmetric Reaction Screening with Optical Assays. Synthesis, 2022, 54, 2527-2538.	2.3	7
106	Computational and DNMR Analysis of the Conformational Isomers and Stereodynamics of Secondary $2,2\hat{a}\in^2$ -Bisanilides. Journal of Organic Chemistry, 2016, 81, 89-99.	3.2	6
107	Streamlined Asymmetric Reaction Development: A Case Study with Isatins. Chemistry - A European Journal, 2019, 25, 11020-11025.	3.3	6
108	Predictive chirality sensing via Schiff base formation. Organic and Biomolecular Chemistry, 2019, 17, 6699-6705.	2.8	6

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109	Enantiomerization Kinetics of 2,2â€2â€Disubstituted Biphenyls: A Dynamic Chiral HPLC Investigation. Israel Journal of Chemistry, 2016, 56, 1052-1056.	2.3	5
110	Tandem Use of Optical Sensing and Machine Learning for the Determination of Absolute Configuration, Enantiomeric and Diastereomeric Ratios, and Concentration of Chiral Samples. Angewandte Chemie, 2020, 132, 2461-2469.	2.0	5
111	Crystallization through Slow Acid-Controlled Hydrolytic Release of a Highly Polar Organic Compound:  Formation of a Dipolar Acridone Polymorph. Crystal Growth and Design, 2005, 5, 1667-1670.	3.0	4
112	Chiroptical sensing of homocysteine. Organic and Biomolecular Chemistry, 2020, 18, 8629-8632.	2.8	4
113	Quantitative Chirality and Concentration Sensing of Alcohols, Diols, Hydroxy Acids, Amines and Amino Alcohols using Chlorophosphite Sensors in a Relay Assay. Angewandte Chemie, 2020, 132, 21566-21570.	2.0	4
114	Enantioseparation and racemization of αâ€arylâ€Î±â€Îuoroacetonitriles. Chirality, 2021, 33, 891-898.	2.6	4
115	Oneâ€Pot Oxidative Esterification and Amidation of Aldehydes. Chemistry - A European Journal, 2008, 14, 9463-9463.	3.3	3
116	Selective Csp3–F Bond Functionalization with Lithium Iodide. Synthesis, 0, , .	2.3	3
117	Chemoselective bioconjugation based on modular click chemistry with 4-halocoumarins and aryl sulfonates. RSC Advances, 2021, 11, 18960-18965.	3.6	1
118	Selective chiroptical sensing of <scp>d</scp> / <scp>l</scp> -cysteine. Organic and Biomolecular Chemistry, 2022, 20, 3056-3060.	2.8	1
119	Chiroptical Switching and Quantitative Chirality Sensing with (Pseudo)halogenated Quinones. Angewandte Chemie, 2021, 133, 27237.	2.0	O