

Mario Waser

List of Publications by Year in descending order

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186265

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127
times ranked

2249
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#	ARTICLE	IF	CITATIONS
1	Total Synthesis of Iejimalide A ^D and Assessment of the Remarkable Actin-Depolymerizing Capacity of These Polyene Macrolides. <i>Journal of the American Chemical Society</i> , 2007, 129, 9150-9161.	13.7	143
2	A versatile protocol for Stille–Miyaura cross coupling reactions. <i>Chemical Communications</i> , 2008, , 2873.	4.1	131
3	Bifunctional Chiral Quaternary Ammonium Salt Catalysts: A Rapidly Emerging Class of Powerful Asymmetric Catalysts. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 637-648.	2.4	121
4	Enantioselective Spirocyclopropanation of <i>ortho</i> -Quinone Methides Using Ammonium Ylides. <i>Organic Letters</i> , 2017, 19, 2338-2341.	4.6	93
5	Asymmetric Synthesis of 2,3-Dihydrobenzofurans by a [4+1] Annulation Between Ammonium Ylides and In Situ Generated <i>ortho</i> -Quinone Methides. <i>Chemistry - A European Journal</i> , 2017, 23, 5137-5142.	3.3	76
6	Syntheses and Applications of (Thio)Urea-Containing Chiral Quaternary Ammonium Salt Catalysts. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 802-809.	2.4	72
7	Total Synthesis of Iejimalide B. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5837-5842.	13.8	64
8	Bifunctional Ammonium Salt Catalyzed Asymmetric α -Hydroxylation of β -Ketoesters by Simultaneous Resolution of Oxaziridines. <i>Chemistry - A European Journal</i> , 2016, 22, 17339-17344.	3.3	60
9	Stereoselective cyclization reactions under phase-transfer catalysis. <i>Tetrahedron</i> , 2014, 70, 1935-1960.	1.9	57
10	Bifunctional phase-transfer catalysis in the asymmetric synthesis of biologically active isoindolinones. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2591-2599.	2.2	55
11	An Organocatalytic Biomimetic Strategy Paves the Way for the Asymmetric Umpolung of Imines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14228-14231.	13.8	54
12	Formal (4 + 1)-Addition of Allenates to <i>ortho</i> -Quinone Methides. <i>Organic Letters</i> , 2018, 20, 768-771.	4.6	54
13	New strategies and applications using electrophilic cyanide-transfer reagents under transition metal-free conditions. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1535-1540.	4.5	53
14	Design, synthesis, and application of tartaric acid derived N-spiroquaternary ammonium salts as chiral phase-transfer catalysts. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 251-254.	2.8	52
15	Design of chiral urea-quaternary ammonium salt hybrid catalysts for asymmetric reactions of glycine Schiff bases. <i>RSC Advances</i> , 2015, 5, 78941-78949.	3.6	52
16	Chiral phase-transfer catalysis in the asymmetric α -heterofunctionalization of prochiral nucleophiles. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1753-1769.	2.2	51
17	Enantioselective Catalytic [4+1]-Cyclization of <i>ortho</i> -Hydroxy- <i>ortho</i> -Quinone Methides with Allenates. <i>Chemistry - A European Journal</i> , 2019, 25, 8163-8168.	3.3	51
18	Asymmetric cyclopropanation of chalcones using chiral phase-transfer catalysts. <i>Tetrahedron Letters</i> , 2013, 54, 2472-2475.	1.4	50

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19	Towards an asymmetric organocatalytic α -cyanation of α -ketoesters. <i>Tetrahedron Letters</i> , 2015, 56, 1911-1914.	1.4	42
20	Quaternary α -amino acid derivatives by asymmetric addition of isoxazolidin-5-ones to α -quinone methides. <i>Chemical Communications</i> , 2020, 56, 579-582.	4.1	42
21	Ammonium Ylide Mediated Cyclization Reactions. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 852-864.	2.7	41
22	Towards Tartaric Acid-Derived Asymmetric Organocatalysts. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4471-4482.	2.4	39
23	Ammonium ylides for the diastereoselective synthesis of glycidic amides. <i>Chemical Communications</i> , 2011, 47, 2170-2172.	4.1	38
24	CO_2 Fixation with Epoxides under Mild Conditions with a Cooperative Metal Corrole/Quaternary Ammonium Salt Catalyst System. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1048-1051.	3.3	37
25	Synthesis of Cyclic Organic Carbonates Using Atmospheric Pressure CO_2 and Charge-Containing Thiourea Catalysts. <i>Journal of Organic Chemistry</i> , 2018, 83, 9991-10000.	3.2	36
26	Asymmetric Organocatalysis in Natural Product Syntheses. <i>Progress in the Chemistry of Organic Natural Products</i> , 2012, . .	1.1	33
27	A systematic study on the use of different organocatalytic activation modes for asymmetric conjugated addition reactions of isoindolinones. <i>Tetrahedron</i> , 2017, 73, 819-828.	1.9	33
28	Investigations Concerning the Syntheses of TADDOL-Derived Secondary Amines and Their Use To Access Novel Chiral Organocatalysts. <i>Synthesis</i> , 2012, 44, 3661-3670.	2.3	30
29	Process Development for a Key Synthetic Intermediate of LY2140023, a Clinical Candidate for the Treatment of Schizophrenia. <i>Organic Process Research and Development</i> , 2011, 15, 1266-1274.	2.7	28
30	Identification of the best-suited leaving group for the diastereoselective synthesis of glycidic amides from stabilised ammonium ylides and aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7023.	2.8	27
31	Towards a General Understanding of Carbonyl-Stabilised Ammonium Ylide-Mediated Epoxidation Reactions. <i>Chemistry - A European Journal</i> , 2016, 22, 11422-11428.	3.3	27
32	Asymmetric phase-transfer catalysed α -addition of isoxazolidin-5-ones to MBH carbonates. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3336-3340.	4.5	27
33	Scope and limitations of diastereoselective aziridination reactions using stabilised ammonium ylides or α -bromo carbonyl nucleophiles. <i>RSC Advances</i> , 2013, 3, 4552.	3.6	26
34	Asymmetric Synthesis of Isoxazol-5-ones and Isoxazolidin-5-ones. <i>Synthesis</i> , 2021, 53, 107-122.	2.3	26
35	Thin layer chromatography-spray mass spectrometry: a method for easy identification of synthesis products and UV filters from TLC aluminum foils. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3647-3656.	3.7	25
36	SNS-Ligands for Ru-Catalyzed Homogeneous Hydrogenation and Dehydrogenation Reactions. <i>Organic Process Research and Development</i> , 2018, 22, 862-870.	2.7	25

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37	Enantioselective catalytic synthesis of α -aryl- β -SCF ₃ - β , γ -amino acids. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 405-408.	2.8	25
38	Asymmetric syntheses of three-membered heterocycles using chiral amide-based ammonium ylides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2092-2099.	2.8	24
39	On-Surface Site-Selective Cyclization of Corrole Radicals. <i>ACS Nano</i> , 2017, 11, 3383-3391.	14.6	24
40	Molecular Editing and Assessment of the Cytotoxic Properties of Iejimalide and Progeny. <i>Chemistry - A European Journal</i> , 2011, 17, 6973-6984.	3.3	23
41	An efficient regioselective synthesis of endocrocin and structural related natural anthraquinones starting from emodin. <i>Tetrahedron Letters</i> , 2005, 46, 2377-2380.	1.4	22
42	Asymmetric tandem hemiaminal-heterocyclization-aza-Mannich reaction of 2-formylbenzonitriles and amines using chiral phase transfer catalysis: an experimental and theoretical study. <i>RSC Advances</i> , 2016, 6, 31861-31870.	3.6	22
43	Asymmetric α -chlorination of β -ketoesters using bifunctional ammonium salt catalysis. <i>Monatshefte für Chemie</i> , 2016, 147, 533-538.	1.8	21
44	Photoreactive, water-soluble conjugates of hypericin with polyphosphazenes. <i>Monatshefte für Chemie</i> , 2012, 143, 355-360.	1.8	20
45	Towards an Asymmetric Organocatalytic α -Azidation of β -Ketoesters. <i>Molecules</i> , 2018, 23, 1142.	3.8	20
46	Recent Progress in the Asymmetric Syntheses of α -Heterofunctionalized (Masked) α - and β -Amino Acid Derivatives. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 202-219.	2.4	18
47	Concerning chemistry, reactivity, and mechanism of transition metal catalysed oxidation of benzylic compounds by means of ozone. <i>Journal of Molecular Catalysis A</i> , 2005, 236, 187-193.	4.8	17
48	Formal (4+1) Cyclization of Ammonium Ylides with Vinylogous para-Quinone Methides. <i>Synthesis</i> , 2018, 50, 4047-4054.	2.3	17
49	Synergistic Ammonium (Hypo)iodite/Imine Catalysis for the Asymmetric α -Hydroxylation of β -Ketoesters. <i>Organic Letters</i> , 2020, 22, 6138-6142.	4.6	17
50	Enantioselective α -Chlorination Reactions of in Situ Generated C1 Ammonium Enolates under Base-Free Conditions. <i>Organic Letters</i> , 2021, 23, 6143-6147.	4.6	17
51	Benzylic Ammonium Ylide Mediated Epoxidations. <i>Synlett</i> , 2016, 27, 1963-1968.	1.8	16
52	Towards Second Generation Hypericin Based Photosensitizers for Photodynamic Therapy. <i>Current Organic Chemistry</i> , 2007, 11, 547-558.	1.6	15
53	Progress in the Chemistry of Second Generation Hypericin Based Photosensitizers. <i>Current Organic Chemistry</i> , 2011, 15, 3894-3907.	1.6	15
54	Identification of thymol phase I metabolites in human urine by headspace sorptive extraction combined with thermal desorption and gas chromatography mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 64-69.	2.8	15

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55	Electrophilic Reactivities of Vinyl <i>p</i> -Quinone Methides. <i>Organic Letters</i> , 2020, 22, 2182-2186.	4.6	15
56	CF ₃ -Containing <i>p</i> -Quinone Methides for Organic Synthesis. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3812-3817.	2.4	14
57	Application Scope and Limitations of TADDOL-Derived Chiral Ammonium Salt Phase-Transfer Catalysts. <i>Molecules</i> , 2013, 18, 4357-4372.	3.8	13
58	Synthesis of β -CF ₃ -proline derivatives by means of a formal (3 + 2)-cyclisation between trifluoropyruvate imines and Michael acceptors. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5731-5735.	2.8	13
59	Cationic Polymers Bearing Quaternary Ammonium Groups-Catalyzed CO ₂ Fixation with Epoxides. <i>Topics in Catalysis</i> , 2018, 61, 1545-1550.	2.8	12
60	Synthesis and Organocatalytic Asymmetric Nitro-aldol Initiated Cascade Reactions of 2-Acylbenzonitriles Leading to 3,3-Disubstituted Isoindolinones. <i>Catalysts</i> , 2019, 9, 327.	3.5	12
61	Study of Ground State Interactions of Enantiopure Chiral Quaternary Ammonium Salts and Amides, Nitroalkanes, Nitroalkenes, Esters, Heterocycles, Ketones and Fluoroamides. <i>Chemistry - A European Journal</i> , 2021, 27, 11352-11366.	3.3	12
62	Synthesis of Trifluoroacetyl-Substituted Cyclopropanes Using Onium Ylides. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 418-421.	2.4	11
63	(Thio)urea containing quaternary ammonium salts for the CO ₂ -fixation with epoxides. <i>Monatshefte für Chemie</i> , 2019, 150, 789-794.	1.8	11
64	Enantioselective Bifunctional Ammonium Salt-Catalyzed Syntheses of 3-CF ₃ -S, 3-R-S, and 3-F-Substituted Isoindolinones. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1955-1962.	4.3	11
65	In vitro study of the photocytotoxicity of bathochromically-shifted hypericin derivatives. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 822.	2.9	10
66	Transition metal-free coupling of terminal alkynes and hypervalent iodine-based alkyne-transfer reagents to access unsymmetrical 1,3-diynes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7561-7563.	2.8	10
67	Enantioselective Catalytic Synthesis of β -Halogenated β -Aryl- α,α -amino Acid Derivatives. <i>ACS Organic & Inorganic Au</i> , 2022, 2, 34-43.	4.0	10
68	Condensed Emodin Derivatives and Their Applicability for the Synthesis of a Fused Heterocyclic Hypericin Derivative. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 1200-1206.	2.4	9
69	A remarkable cyclization of TADDOL-bisthioacetate under oxidative conditions. <i>Monatshefte für Chemie</i> , 2010, 141, 1347-1351.	1.8	9
70	Transition metal-free dimerization of alkynes using hypervalent iodine reagents. <i>Tetrahedron Letters</i> , 2016, 57, 1678-1680.	1.4	9
71	Pd-Catalyzed Allylation of Imines to Access β -CF ₃ -Substituted β -Amino Acid Derivatives. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7122-7127.	2.4	9
72	Enantioselective organocatalytic syntheses of β -selenated β - and α -amino acid derivatives. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 824-830.	2.8	8

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73	Chiral Phase Transfer Catalysis in the Asymmetric Synthesis of a 3,3-Disubstituted Isoindolinone and Determination of Its Absolute Configuration by VCD Spectroscopy. <i>Molecules</i> , 2020, 25, 2272.	3.8	7
74	Asymmetric α -Chlorination of β -Keto Esters Using Hypervalent Iodine-Based Cl ⁺ -Transfer Reagents in Combination with Cinchona Alkaloid Catalysts. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 82-86.	2.4	7
75	Organocatalytic asymmetric α -functionalizations of β -ketoesters with hypervalent iodine-based reagents and catalysts. <i>Arkivoc</i> , 2022, 2021, 112-127.	0.5	7
76	9,12-Dibenzothiazolylhypericin and 10,11-Dibenzothiazolyl-10,11-didemethylhypericin: Photochemical Properties of Hypericin Derivatives Depending on the Substitution Site. <i>Monatshefte für Chemie</i> , 2005, 136, 1791-1797.	1.8	6
77	Phase-Transfer Catalysis with Ionene Polymers. <i>ChemistrySelect</i> , 2016, 1, 4030-4033.	1.5	6
78	Syntheses of Highly Functionalized Spirocyclohexenes by Formal [4+2] Annulation of Arylidene Azlactones with Allenates. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1620-1625.	2.7	6
79	A flexible strategy for the synthesis of bifunctional 6 ⁺ -(thio)-urea containing Cinchona alkaloid ammonium salts. <i>Tetrahedron</i> , 2020, 76, 130816.	1.9	6
80	Ammonium Salt-Catalyzed Ring-Opening of Aryl-Aziridines with β -Keto Esters. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5173-5177.	2.4	6
81	Trisubstituted Highly Activated Benzo[<i>d</i>]thiazol-2-yl-sulfone-Containing Olefins as Building Blocks in Organic Synthesis. <i>Journal of Organic Chemistry</i> , 2020, 85, 7192-7206.	3.2	6
82	Syntheses, Photochemical Properties, and Tautomerism of Intramolecularly Friedel-Crafts Acylated Hypericin Derivatives. <i>Monatshefte für Chemie</i> , 2005, 136, 1221-1231.	1.8	5
83	Development of a Scalable and Safe Process for the Production of 4-Chloro-2,3-dimethylpyridine- <i>N</i> -oxide as a Key Intermediate in the Syntheses of Proton Pump Inhibitors. <i>Organic Process Research and Development</i> , 2010, 14, 562-567.	2.7	5
84	Asymmetric Phase-Transfer Catalysis as a Powerful Tool in the Synthesis of Biologically Active Chiral Complex Natural Products. <i>Studies in Natural Products Chemistry</i> , 2014, 43, 409-435.	1.8	5
85	Enantiospecific deoxyfluorination of cyclic α -OH- β -ketoesters. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 162-165.	2.8	5
86	Oxidative decarboxylative ammonium hypiodite-catalysed dihydrobenzofuran synthesis. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3273-3276.	2.8	5
87	On the origin of the stereoselectivity in chiral amide-based ammonium ylide-mediated epoxidations. <i>Monatshefte für Chemie</i> , 2017, 148, 77-81.	1.8	4
88	Progress in the synthesis of β -sultones. <i>Monatshefte für Chemie</i> , 2018, 149, 701-714.	1.8	4
89	Asymmetric organocatalysis in natural product syntheses. <i>Progress in the Chemistry of Organic Natural Products</i> , 2012, 96, 1-197.	1.1	4
90	Intramolecularly Friedel-Crafts Acylated Emodin Derivatives. An Access to the Cores of Angucyclinones, Anthracyclinones, and to Hypericin Analogues. <i>Monatshefte für Chemie</i> , 2005, 136, 609-618.	1.8	3

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91	Chiral isothiourea-catalyzed kinetic resolution of 4-hydroxy[2.2]paracyclophane. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 800-804.	2.2	3
92	Catalytic Enantioselective Decarboxylative Aldol Reactions of Malonic Acid Half Thio(oxy)ester and α -Ketoacids. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	3
93	Special Issue on Heterocyclic Chemistry. <i>Monatshefte für Chemie</i> , 2018, 149, 665-665.	1.8	1
94	Enantioselective Synthesis of Acyclic Orthogonally Functionalized Compounds Bearing a Quaternary Stereocenter Using Chiral Ammonium Salt Catalysis. <i>ChemistryOpen</i> , 2021, 10, 756-759.	1.9	1
95	An Efficient Regioselective Synthesis of Endocrocin and Structural Related Natural Anthraquinones Starting from Emodin.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
96	9,12-Dibenzothiazolyhypericin and 10,11-Dibenzothiazolyl-10,11-didemethylhypericin: Photochemical Properties of Hypericin Derivatives Depending on the Substitution Site.. <i>ChemInform</i> , 2006, 37, no.	0.0	0
97	Asymmetric Phase-Transfer Catalysis. <i>Progress in the Chemistry of Organic Natural Products</i> , 2012, , 83-95.	1.1	0
98	Chiral Brønsted and Lewis Bases. <i>Progress in the Chemistry of Organic Natural Products</i> , 2012, , 119-135.	1.1	0
99	Hypervalent iodine-mediated α -arylation of glycine Schiff base. <i>Chemical Data Collections</i> , 2017, 11-12, 36-39.	2.3	0
100	Happy birthday Heinz Falk. <i>Monatshefte für Chemie</i> , 2019, 150, 757-758.	1.8	0
101	Synthesis of [2.2]Paracyclophane-Based Glycidic Amides Using Chiral Ammonium Ylides. <i>Helvetica Chimica Acta</i> , 2021, 104, e2100073.	1.6	0