

# Margus Lopp

## List of Publications by Year in descending order

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108  
papers

1,888  
citations

331670

21  
h-index

302126

39  
g-index

138  
all docs

138  
docs citations

138  
times ranked

1893  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Hydroxylation of Electron-Rich Arenes in Continuous Flow. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	11
2	Designed whole-cell-catalysis-assisted synthesis of 9,11-secosterols. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 581-588.	2.2	4
3	Towards ortho-selective electrophilic substitution/addition to phenolates in anhydrous solvents. <i>Tetrahedron</i> , 2021, 83, 131935.	1.9	3
4	Aerobic Oxidations in Asymmetric Synthesis: Catalytic Strategies and Recent Developments. <i>Frontiers in Chemistry</i> , 2021, 9, 614944.	3.6	9
5	Aqueous mineral carbonation of oil shale mine waste (limestone): A feasibility study to develop a CO <sub>2</sub> capture sorbent. <i>Energy</i> , 2021, 221, 119895.	8.8	7
6	Novel Analogues of the Chikungunya Virus Protease Inhibitor: Molecular Design, Synthesis, and Biological Evaluation. <i>ACS Omega</i> , 2021, 6, 10884-10896.	3.5	8
7	Selective C-alkylation of substituted naphthols under non-aqueous conditions. <i>Tetrahedron</i> , 2021, 95, 132278.	1.9	1
8	Generation of Mixed Anhydrides via Oxidative Fragmentation of Tertiary Cyclopropanols with Phenyliodine(III) Dicarboxylates. <i>Molecules</i> , 2021, 26, 140.	3.8	1
9	Wet Air Oxidation of Oil Shales: Kerogen Dissolution and Dicarboxylic Acid Formation. <i>ACS Omega</i> , 2020, 5, 22021-22030.	3.5	2
10	Divergent Access to Histone Deacetylase Inhibitory Cyclopeptides via a Late-Stage Cyclopropane Ring Cleavage Strategy. Short Synthesis of Chlamydocin. <i>Organic Letters</i> , 2019, 21, 8473-8478.	4.6	16
11	Reactivity of Aliphatic Dicarboxylic Acids in Wet Air Oxidation Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 10855-10863.	3.7	2
12	Synthesis of Cyclic 3-Aryl-Substituted 1,2-Dicarbonyl Compounds via Suzuki Cross-Coupling Reactions. <i>Synthesis</i> , 2018, 50, 1883-1890.	2.3	2
13	Aerobic cascade oxidation of substituted cyclopentane-1,2-diones using metalloporphyrin catalysts. <i>Tetrahedron</i> , 2018, 74, 661-664.	1.9	3
14	Metal-Catalyzed Degradation of Cellulose in Ionic Liquid Media. <i>Inorganics</i> , 2018, 6, 78.	2.7	9
15	Asymmetric Organocatalytic Michael Addition-Cyclization Cascade of Cyclopentane-1,2-dione with Substituted $\alpha,\beta$ -Unsaturated Aldehydes. <i>Synthesis</i> , 2017, 49, 3118-3125.	2.3	4
16	Two-step conversion of carboxylic esters into distally fluorinated ketones via ring cleavage of cyclopropanol intermediates: application of sulfinate salts as fluoroalkylating reagents. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4635-4643.	2.8	34
17	Enantioselective One-Pot Synthesis of $\alpha,\beta$ -Epoxy Ketones via Aerobic Oxidation of Cyclopropanols. <i>Organic Letters</i> , 2017, 19, 3544-3547.	4.6	24
18	Synthesis of $\beta$ -keto sulfones by copper-catalyzed oxidative sulfonylation of tertiary cyclopropanols. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8334-8340.	2.8	45

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19	Kinetic resolution of epoxy alcohols with the Sharpless Ti-isopropoxide/tartaric ester complex. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 608-613.	1.8	3
20	Design and Validation of Novel Chikungunya Virus Protease Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 7382-7395.	3.2	40
21	An optimized capillary electrophoresis method for the simultaneous analysis of biomass degradation products in ionic liquid containing samples. <i>Journal of Chromatography A</i> , 2016, 1447, 141-147.	3.7	13
22	Indole-like Trk receptor antagonists. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 541-552.	5.5	6
23	3-Alkyl-1,2-cyclopentanediones by Negishi cross-coupling of a 3-bromo-1,2-cyclopentanedione silyl enol ether with alkylzinc reagents: an approach to 2-substituted carboxylic acid $\beta$ -lactones, homocitric and lycoperdic acids. <i>Tetrahedron</i> , 2015, 71, 9313-9320.	1.9	13
24	Enantioselective Organocatalytic Michael Addition–Cyclization Cascade of Cyclopentane-1,2-dione with Substituted (E)-2-oxobut-3-enoates. <i>Synthesis</i> , 2015, 47, 3805-3812.	2.3	7
25	Simple access to $\beta$ -trifluoromethyl-substituted ketones via copper-catalyzed ring-opening trifluoromethylation of substituted cyclopropanols. <i>Chemical Communications</i> , 2015, 51, 8349-8352.	4.1	91
26	Enantioselective Organocatalytic Michael Addition of Cyclopentane-1,2-diones to Nitroolefins. <i>Synthesis</i> , 2014, 46, 2595-2600.	2.3	5
27	Asymmetric Diastereoselective Synthesis of Spirocyclopropane Derivatives of Oxindole. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3599-3606.	2.4	30
28	Heterogeneous platinum catalytic aerobic oxidation of cyclopentane-1,2-diols to cyclopentane-1,2-diones. <i>Tetrahedron</i> , 2014, 70, 3608-3613.	1.9	3
29	Remote Activation of the Nucleophilicity of Isatin. <i>Organic Letters</i> , 2014, 16, 1740-1743.	4.6	36
30	Isomers and conformers of complexes of $Ti(OiPr)_4$ with cyclopentane-1,2-dione: NMR study and DFT calculations. <i>International Journal of Quantum Chemistry</i> , 2014, 114, 1012-1018.	2.0	0
31	Asymmetric synthesis of the 2,2,3-trisubstituted cyclopentanone, D-ring fragment of 9,11-secosterols. <i>Tetrahedron</i> , 2014, 70, 6723-6727.	1.9	3
32	A general approach to the synthesis of 5-S-functionalized pyrimidine nucleosides and their analogues. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5634-5644.	2.8	7
33	Insight into the Mechanism and Stereochemistry of the Transformations of Alkyltitanium Ate-Complexes. An Enhanced Enantioselectivity in the Cyclopropanation of the Carboxylic Esters with Titanacyclopropane Reagents. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3615-3626.	4.3	21
34	Sonogashira cross-coupling of 3-bromo-1,2-diones: an access to $\beta$ -alkynyl-1,2-diones. <i>Tetrahedron</i> , 2014, 70, 5843-5848.	1.9	8
35	Asymmetric Synthesis of Tertiary 2-Substituted 5-Oxotetrahydrofuran-2-carboxylic Acids. <i>Heterocycles</i> , 2014, 88, 981.	0.7	9
36	Asymmetric Synthesis of Congested Spiro-cyclopentaneoxindoles via an Organocatalytic Cascade Reaction. <i>Journal of Organic Chemistry</i> , 2013, 78, 8117-8122.	3.2	47

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37	3-Chlorooxindoles: Versatile Starting Materials for Asymmetric Organocatalytic Synthesis of Spirooxindoles. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 829-835.	4.3	73
38	Stereoselective synthesis of 1-methyl-1,2- and 1,3-cyclopentanediols via $\beta$ -lactones. <i>Chemistry of Heterocyclic Compounds</i> , 2013, 48, 1751-1760.	1.2	3
39	Asymmetric Aminocatalytic Michael Addition of Cyclopropane-Containing Aldehydes to Nitroalkenes. <i>Synthesis</i> , 2013, 45, 2679-2683.	2.3	4
40	Diastereoselective Multicomponent Cascade Reaction Leading to [3.2.0]-Heterobicyclic Compounds. <i>Journal of Organic Chemistry</i> , 2012, 77, 10680-10687.	3.2	14
41	Organocatalytic Asymmetric Synthesis of 3-Chlorooxindoles Bearing Adjacent Quaternary Tertiary Centers. <i>Organic Letters</i> , 2012, 14, 4922-4925.	4.6	80
42	Amination of quinolones with morpholine derivatives. <i>Tetrahedron</i> , 2012, 68, 9550-9555.	1.9	2
43	Organocatalytic asymmetric addition of malonates to unsaturated 1,4-diketones. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1452-1457.	2.2	12
44	Organocatalytic asymmetric synthesis of trisubstituted pyrrolidines via a cascade reaction. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 188-198.	1.8	10
45	Cyclopentane-1,2-dione bis(tert-butyl dimethylsilyl) enol ether in asymmetric organocatalytic Mukaiyama Michael reactions. <i>Tetrahedron Letters</i> , 2012, 53, 1476-1478.	1.4	7
46	Synthesis and Biological Activity of Bimorpholine and its Carbanucleoside. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2011, 30, 897-907.	1.1	6
47	Enantioselective Organocatalytic Aza-Ene-Type Domino Reaction Leading to 1,4-Dihydropyridines. <i>Journal of Organic Chemistry</i> , 2011, 76, 1538-1545.	3.2	74
48	Theoretical prediction and assignment of vicinal $^1\text{H}$ - $^1\text{H}$ coupling constants of diastereomeric 6,7-epoxy-2-oxabicyclo[3.3.0]octanes. <i>Magnetic Resonance in Chemistry</i> , 2011, 49, 76-82.		5
49	Oxidation of cyclopentane-1,2-dione: a study with $^{18}\text{O}$ labeled reagents. <i>Tetrahedron</i> , 2011, 67, 5942-5948.	1.9	6
50	Cyclic amino acid salts as catalysts for the asymmetric Michael reaction. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 562-565.	1.8	11
51	pKa calculation for monoprotonated bipiperidine, bimorpholine and their derivatives in H <sub>2</sub> O and MeCN. <i>Chemical Physics Letters</i> , 2010, 485, 83-86.	2.6	19
52	Synthesis of Novel Acyclic Nucleoside Analogues with Anti-Retroviral Activity. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2010, 29, 707-720.	1.1	8
53	(1S,2S,6S,9S)-6-Methyl-5-oxobicyclo[4.4.0]decane-2,9-diyl diacetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o2584-o2584.	0.2	0
54	Humic substances as a background electrolyte in capillary electrophoresis. <i>Chemistry and Ecology</i> , 2010, 26, 157-165.	1.6	2

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55	Enantioselective Henry Reaction Catalyzed by Cu <sup>II</sup> Salt and Bipiperidine. <i>Journal of Organic Chemistry</i> , 2010, 75, 1313-1316.	3.2	121
56	A Novel Diastereoselective Multicomponent Cascade Reaction. <i>Organic Letters</i> , 2010, 12, 2230-2233.	4.6	47
57	Synthesis of chiral tetrahydrofuran derivatives. <i>Arkivoc</i> , 2010, 2009, 39-52.	0.5	0
58	Synthesis of 4-aryl-2,3-dideoxynucleoside analogues. <i>Tetrahedron</i> , 2009, 65, 2959-2965.	1.9	20
59	Influence of protonation upon the conformations of bipiperidine, bismorpholine, and their derivatives. <i>Chemical Physics Letters</i> , 2009, 471, 92-96.	2.6	4
60	Enantioselective Organocatalytic Michael Addition of Aldehydes to $\beta$ -Nitrostyrenes. <i>Journal of Organic Chemistry</i> , 2009, 74, 3772-3775.	3.2	57
61	Synthesis of 5,5-Disubstituted Bimorpholines. <i>Synthetic Communications</i> , 2009, 40, 266-281.	2.1	5
62	Asymmetric synthesis of 4-C-benzyl-2,3-dideoxynucleoside analogues from 3-benzyl-2-hydroxy-2-cyclopenten-1-one. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 628-634.	1.8	17
63	Structural constraints for C <sub>2</sub> -symmetric heterocyclic organocatalysts in asymmetric aldol reactions. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 641-645.	1.8	23
64	Aerobic Oxidation of Cyclopentane-1,2-diols to Cyclopentane-1,2-diones on Pt/C Catalyst. <i>Synlett</i> , 2008, 2008, 347-350.	1.8	4
65	Bimorpholine-Mediated Enantioselective Intramolecular and Intermolecular Aldol Condensation. <i>Journal of Organic Chemistry</i> , 2007, 72, 5168-5173.	3.2	61
66	Suppression of solute-wall interactions in humic acid capillary electrophoretic analysis by its diluted solution as background electrolyte. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 634-637.	4.7	1
67	Synthesis of (2S,2'-S)-bimorpholine N,N'-quaternary salts as chiral phase transfer catalysts. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 137-141.	1.8	13
68	Synthesis of chiral hydroxylated cyclopentanones and cyclopentanes. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2678-2683.	1.8	8
69	Asymmetric synthesis of 2-alkyl-substituted 2-hydroxyglutaric acid $\beta$ -lactones. <i>Tetrahedron Letters</i> , 2006, 47, 4491-4493.	1.4	15
70	Enantioselective Synthesis of Wieland-Miescher Ketone through Bimorpholine-Catalyzed Organocatalytic Aldol Condensation. <i>Synlett</i> , 2006, 2006, 1699-1702.	1.8	3
71	Anchimeric Assistance in the Case of Vicinal Dimesylate: Formation of Enantiomeric or meso-Bimorpholine. <i>Synthesis</i> , 2006, 2006, 1853-1857.	2.3	4
72	Asymmetric Synthesis of 2-Aryl-5-oxotetrahydrofuran-2-carboxylic Acids. <i>Synthesis</i> , 2006, 2006, 3031-3036.	2.3	1

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73	Fragmentation of poly(amidoamine) dendrimers in matrix-assisted laser desorption. <i>European Polymer Journal</i> , 2005, 41, 2552-2558.	5.4	28
74	Asymmetric Transfer Hydrogenation of Aromatic Ketones by Rh(I)/Bimorpholine Complexes.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
75	Unexpected Reactivity of Ethyl 2-(Diethylphosphono)Propionate Toward 2,2-Disubstituted-1,3-cyclopentanediones. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005, 180, 1739-1748.	1.6	9
76	Properties of humic substances from the baltic sea and lake ermistu mud. <i>Journal of Soils and Sediments</i> , 2004, 4, 24-29.	3.0	19
77	A short enantioselective synthesis of homocitric acid- $\hat{1}^3$ -lactone and 4-hydroxy-homocitric acid- $\hat{1}^3$ -lactones. <i>Tetrahedron</i> , 2004, 60, 9081-9084.	1.9	21
78	Asymmetric transfer hydrogenation of aromatic ketones by Rh(I)/bimorpholine complexes. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 2687-2691.	1.8	19
79	Electrophoretic aggregation of humic acid. <i>Journal of Chromatography A</i> , 2004, 1045, 253-258.	3.7	12
80	Interactions of Pb <sup>2+</sup> with fulvic acid by electrophoretically mediated on-capillary microanalysis. <i>Journal of Chromatography A</i> , 2004, 1057, 253-256.	3.7	7
81	A Comparative Study of the Synthesis of C <sub>2</sub> -Symmetric Chiral 2,2- $\hat{2}$ -Biaziridinyls.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
82	C <sub>2</sub> -Symmetric Bimorpholines as Chiral Ligands in the Asymmetric Hydrogenation of Ketones.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
83	Structural deviations in poly(amidoamine) dendrimers: a MALDI-TOF MS analysis. <i>European Polymer Journal</i> , 2003, 39, 33-42.	5.4	120
84	Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 2: Oxidative ring cleavage of 3-alkyl-1,2-cyclopentanediones: synthesis of 2-alkyl- $\hat{1}^3$ -lactone acids. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1565-1573.	1.8	19
85	C <sub>2</sub> -Symmetric bimorpholines as chiral ligands in the asymmetric hydrogenation of ketones. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2271-2275.	1.8	11
86	Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 3: Oxidative ring cleavage of 3-hydroxyethyl-1,2-cyclopentanediones: synthesis of $\hat{1}^{\pm}$ -hydroxy- $\hat{1}^3$ -lactone acids and spiro- $\hat{1}^3$ -dilactones. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2393-2399.	1.8	6
87	A Comparative Study of the Synthesis of C <sub>2</sub> -Symmetric Chiral 2,2- $\hat{2}$ -Biaziridinyls. <i>Synlett</i> , 2003, 2003, 1055-1057.	1.8	6
88	Asymmetric synthesis of novel C <sub>2</sub> -symmetric bimorpholines. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 857-865.	1.8	14
89	Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 1: 3-Hydroxylation of 3-alkyl-1,2-cyclopentanediones. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2439-2448.	1.8	12
90	Direct asymmetric $\hat{1}^{\pm}$ -hydroxylation of 2-hydroxymethyl ketones. <i>Tetrahedron</i> , 2002, 58, 7321-7326.	1.9	19

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91	Application of capillary zone electrophoresis to the separation and characterization of poly(amidoamine) dendrimers with an ethylenediamine core. <i>Journal of Chromatography A</i> , 2002, 949, 351-358.	3.7	41
92	Asymmetric oxidation of 1,2-cyclopentanediones. <i>Tetrahedron Letters</i> , 2000, 41, 6883-6887.	1.4	17
93	Synthesis of the AB-Ring of 9,11-Secosterols. <i>Synlett</i> , 2000, 2000, 529-531.	1.8	2
94	Synthesis of chiral epoxyalkynes. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 2499-2508.	1.8	16
95	Asymmetric oxidation of cyclobutanones: modification of the Sharpless catalyst. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 4475-4482.	1.8	34
96	Direct asymmetric $\alpha$ -hydroxylation of $\beta$ -hydroxyketones. <i>Tetrahedron Letters</i> , 1997, 38, 5051-5054.	1.4	20
97	Asymmetric Baeyer-Villiger oxidation of cyclobutanones. <i>Tetrahedron Letters</i> , 1996, 37, 7583-7586.	1.4	80
98	Comparison of the Anti-Platelet Aggregatory Activity of Enantiomers of a 15-Nonstereogenic Carbacyclin Analogue MM706. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1995, 76, 297-298.	0.0	0
99	Analogues of thromboxane A <sub>2</sub> . <i>Tetrahedron</i> , 1995, 51, 10561-10570.	1.9	2
100	Pharmacological properties of MM-706, a new prostacyclin derivative. <i>General Pharmacology</i> , 1995, 26, 703-709.	0.7	5
101	Synthesis and antiproliferative activity of 15-oxoprostaglandins: Contribution of the $\gamma$ -chain enone group to cytotoxicity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1994, 4, 1739-1744.	2.2	0
102	Determination of the absolute configuration of chiral secondary alcohols; new advances using <sup>13</sup> C- and 2D-NMR spectroscopy. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 1527-1532.	1.8	35
103	A Highly Stereoselective Synthesis of a New Propargylic Epoxide: (3R,4S)-1-tert-Butyldimethylsilyl-3,4-epoxy-1-pentyne. <i>Synthesis</i> , 1993, 1993, 91-93.	2.3	7
104	Synthesis of a Novel, Optically Active 15-Nonstereogenic Carbaprostacyclin. <i>Synthesis</i> , 1992, 1992, 925-927.	2.3	4
105	Synthesis and anti-aggregative activity of novel $\gamma$ -achiral carba-analogues of prostacyclin. <i>European Journal of Medicinal Chemistry</i> , 1992, 27, 155-159.	5.5	5
106	Synthesis of a novel four-carbon chiron - (R)-1-tert-butylidimethylsilyl-3,4-epoxy-but-1-yne. <i>Tetrahedron: Asymmetry</i> , 1991, 2, 943-944.	1.8	18
107	Preparative liquid chromatographic separation of isomers of prostacyclin carba-analogues and their intermediates. <i>Journal of Chromatography A</i> , 1988, 450, 105-109.	3.7	4
108	Solvent selectivity in the resolution of some regioisomeric and diastereomeric prostaglandin intermediates on silica. <i>Journal of Chromatography A</i> , 1988, 449, 77-94.	3.7	5