

Manuel Mahlau

List of Publications by Year in descending order

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55
papers

3,736
citations

159358

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91
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docs citations

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times ranked

3113
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Counteranion-Directed Catalysis: Concept, Definition, and Applications. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 518-533.	7.2	763
2	Development and Applications of Disulfonimides in Enantioselective Organocatalysis. <i>Chemical Reviews</i> , 2015, 115, 9388-9409.	23.0	256
3	The TopoVIB-Like protein family is required for meiotic DNA double-strand break formation. <i>Science</i> , 2016, 351, 943-949.	6.0	238
4	The Cinchona Primary Amine-Catalyzed Asymmetric Epoxidation and Hydroperoxidation of $\hat{1},\hat{1}^2$ -Unsaturated Carbonyl Compounds with Hydrogen Peroxide. <i>Journal of the American Chemical Society</i> , 2013, 135, 6677-6693.	6.6	141
5	Arene-Limited Nondirected C-H Activation of Arenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13016-13027.	7.2	139
6	Asymmetric Lewis acid organocatalysis of the Diels-Alder reaction by a silylated C-H acid. <i>Science</i> , 2016, 351, 949-952.	6.0	118
7	Switchable Site-Selective Catalytic Carboxylation of Allylic Alcohols with CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6558-6562.	7.2	97
8	Dual Ligand-Enabled Nondirected C-H Olefination of Arenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2497-2501.	7.2	92
9	The Catalytic Asymmetric $\hat{1}$ -Benzoylation of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 282-285.	7.2	83
10	Disulfonimide-Catalyzed Asymmetric Synthesis of $\hat{1}^3$ -Amino Esters Directly from <i>i</i> -N-Boc-Amino Sulfones. <i>Journal of the American Chemical Society</i> , 2013, 135, 15334-15337.	6.6	81
11	Sterically Controlled Late-Stage C-H Alkynylation of Arenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 18662-18667.	6.6	78
12	Asymmetric Counteranion-Directed Catalytic Hosomi-Sakurai Reaction. <i>Chemistry - A European Journal</i> , 2012, 18, 16283-16287.	1.7	77
13	Phenol Derivatives. <i>Advances in Organometallic Chemistry</i> , 2016, 66, 143-222.	0.5	74
14	Ni- and Fe-catalyzed Carboxylation of Unsaturated Hydrocarbons with CO ₂ . <i>Topics in Current Chemistry</i> , 2016, 374, 45.	3.0	69
15	Pd-Catalyzed $\hat{1}^3$ -Arylation of Propionic Acid and Related Aliphatic Acids. <i>Chemistry - A European Journal</i> , 2017, 23, 17697-17700.	1.7	69
16	Asymmetric counteranion-directed Lewis acid organocatalysis for the scalable cyanosilylation of aldehydes. <i>Nature Communications</i> , 2016, 7, 12478.	5.8	64
17	Asymmetric Disulfonimide-Catalyzed Synthesis of $\hat{1}$ -Amino- $\hat{1}^2$ -Ketoester Derivatives by Vinylogous Mukaiyama-Mannich Reactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13592-13595.	7.2	60
18	The Catalytic Asymmetric Abramov Reaction. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 355-358.	7.2	60

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19	Direct $\text{I}^2\text{-C}(\text{sp}^3)\text{-H}$ Acetoxylation of Aliphatic Carboxylic Acids. <i>Organic Letters</i> , 2019, 21, 7154-7157.	2.4	55
20	Ligand-Enabled $\text{I}^3\text{-C}(\text{sp}^3)\text{-H}$ Olefination of Free Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12848-12852.	7.2	52
21	Dual Ligand-Enabled Nondirected C-H Cyanation of Arenes. <i>ACS Catalysis</i> , 2019, 9, 1979-1984.	5.5	51
22	Towards High-Performance Lewis Acid Organocatalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8765-8769.	7.2	47
23	Late-Stage $\text{I}^2\text{-C}(\text{sp}^3)\text{-H}$ Deuteration of Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2021, 143, 10895-10901.	6.6	47
24	Direct $\text{I}^2\text{-and I}^3\text{-C}(\text{sp}^3)\text{-H}$ Alkynylation of Free Carboxylic Acids**. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23127-23131.	7.2	43
25	Asymmetric Counteranion-Directed Catalysis (ACDC): A Remarkably General Approach to Enantioselective Synthesis. <i>Israel Journal of Chemistry</i> , 2012, 52, 630-638.	1.0	42
26	Palladium-Catalyzed Nondirected Late-Stage C-H Deuteration of Arenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 16370-16376.	6.6	41
27	Sterically Controlled C-H Olefination of Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12213-12220.	7.2	37
28	Catalyst-Controlled Regiodivergent C-H Alkynylation of Thiophenes**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 742-746.	7.2	35
29	Direct $\text{C}(\text{sp}^3)\text{-H}$ Activation of Carboxylic Acids. <i>Synthesis</i> , 2020, 52, 479-488.	1.2	34
30	Durch zwei Liganden ermoglichte nicht-dirigierte C-H-O lefinierung von Arenen. <i>Angewandte Chemie</i> , 2018, 130, 2523-2527.	1.6	32
31	1,1,3,3-Tetratrylpropene (TTP): A Strong, Allylic C-H Acid for Brønsted and Lewis Acid Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1411-1415.	7.2	30
32	Mechanism of the Arene-Limited Nondirected C-H Activation of Arenes with Palladium**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15641-15649.	7.2	30
33	Die Arene-limitierte nicht-dirigierte C-H-A ktivierung von Aromaten. <i>Angewandte Chemie</i> , 2018, 130, 13198-13209.	1.6	29
34	Brønsted Acid Catalyzed Asymmetric Silylation of Alcohols. <i>Synlett</i> , 2015, 26, 1093-1095.	1.0	23
35	The Direct Pd-Catalyzed $\text{I}^2\text{-C}(\text{sp}^3)\text{-H}$ Activation of Carboxylic Acids. <i>Synlett</i> , 2018, 29, 1937-1943.	1.0	22
36	Regioselective Olefination of $\text{3-Substituted Five-Membered Heteroarenes}$. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6318-6327.	1.2	21

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37	Improved Conditions for the Proline-Catalyzed Aldol Reaction of Acetone with Aliphatic Aldehydes. <i>Synlett</i> , 2014, 25, 932-934.	1.0	20
38	Unexpected Beneficial Effect of ortho-Substituents on the (S)-Proline-Catalyzed Asymmetric Aldol Reaction of Acetone with Aromatic Aldehydes. <i>Synlett</i> , 2014, 25, 961-964.	1.0	15
39	1,1,3,3-Tetratriflylpropen (TTP): eine starke, allylische C-H-Äure für die Brønsted- und Lewis-Äure-Katalyse. <i>Angewandte Chemie</i> , 2017, 129, 1433-1437.	1.6	12
40	Sterically Controlled C-H Olefination of Heteroarenes. <i>Angewandte Chemie</i> , 2020, 132, 12311-12318.	1.6	12
41	Electrochemical Methods for Pd-catalyzed C-H Functionalization. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 50-60.	1.3	12
42	First Synthesis of the Pyrano-Naphthoquinone Lactone (-)-Arizonin C1. <i>European Journal of Organic Chemistry</i> , 2011, 2011, n/a-n/a.	1.2	11
43	Katalysatorkontrollierte regiodivergente C-H-Alkinylierung von Thiophenen**. <i>Angewandte Chemie</i> , 2021, 133, 753-757.	1.6	10
44	Dual Ligand-Enabled Late-Stage Fujiwara-Moritani Reactions. <i>Synlett</i> , 2022, 33, 357-360.	1.0	8
45	Direkte I^2 - und I^3 -C(sp ³)-H Alkinylierung freier Carbonsäuren**. <i>Angewandte Chemie</i> , 2020, 132, 23327-23331.	1.6	7
46	Direct Synthesis of Unsymmetrical Dithioacetals. <i>Chemistry - A European Journal</i> , 2021, 27, 4859-4863.	1.7	6
47	Mechanismus der Aren-limitierten, nicht-dirigierten C-H-Aktivierung von Arenen mit Palladium**. <i>Angewandte Chemie</i> , 2021, 133, 15770-15779.	1.6	6
48	Ligandenvermittelte I^3 -C(sp ³)-H-Olefinierung freier Carbonsäuren. <i>Angewandte Chemie</i> , 2020, 132, 12948-12952.	1.6	5
49	Asymmetric Counteranion-Directed Catalysis (ACDC). , 2013, , 79-85.		4
50	The Direct Conversion of I^{\pm} -Hydroxyketones to Alkynes. <i>Journal of Organic Chemistry</i> , 2019, 84, 983-993.	1.7	4
51	How and Why Crowd Reviewing Works. <i>Synlett</i> , 2021, 32, 885-891.	1.0	3
52	20. Steinheimer Gespräche - diesmal in Wiesbaden. <i>Nachrichten Aus Der Chemie</i> , 2017, 65, 939-939.	0.0	0
53	Innentitelbild: Durch zwei Liganden ermöglichte nicht-dirigierte C-H-Olefinierung von Arenen (Angew.) <i>Tj ETQq</i> 1 1 0.784314 rgBT	1.6	0
54	Spot on: C-H-Aktivierung. <i>Nachrichten Aus Der Chemie</i> , 2021, 69, 66-67.	0.0	0

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55	Direct Synthesis of Unsymmetrical Dithioacetals. Chemistry - A European Journal, 2021, 27, 4759-4759.	1.7	0