Laurence Miesch

List of Publications by Year in Descending Order

28 papers	783 citations	15 h-index	27 g-index
35 ext. papers	995 ext. citations	5.8 avg, IF	4.08 L-index

#	Paper	IF	Citations
28	Direct Synthesis of CFH-Substituted 2-Amidofurans via Copper-Catalyzed Addition of Difluorinated Diazoacetone to Ynamides. *Organic Letters*, **2021**, 23, 5528-5532	6.2	3
27	Innate promiscuity of the CYP706 family of P450 enzymes provides a suitable context for the evolution of dinitroaniline resistance in weed. *New Phytologist*, **2021**, 229, 3253-3268	9.8	9
26	Tertiary Enamides as Versatile and Valuable Substrates to Reach Chemical Diversity. *Synthesis*, **2020**, 52, 2497-2511	2.9	11
25	Tertiary Enamide-Promoted Diastereoselective Domino: -Acyliminium Ion Trapping and Nazarov Cyclization. *Organic Letters*, **2020**, 22, 6771-6775	6.2	8
24	Spirocyclization of keto-ynesulfonamides promoted by quaternary ammonium salts. *Organic Chemistry Frontiers*, **2019**, 6, 373-376	5.2	5
23	Metal-free synthesis of activated ynesulfonamides and tertiary enesulfonamides. *Organic and Biomolecular Chemistry*, **2019**, 17, 5688-5692	3.9	4
22	Tertiary Enamide-Triggered SAr: Domino Allylation and Enamine-Type Addition. *Organic Letters*, **2019**, 21, 1569-1573	6.2	9
21	A Promiscuous CYP706A3 Reduces Terpene Volatile Emission from Arabidopsis Flowers, Affecting Florivores and the Floral Microbiome. *Plant Cell*, **2019**, 31, 2947-2972	11.6	16
20	Surfactant Micelles Enable Metal-Free Spirocyclization of Keto-Ynamides and Access to Aza-Spiro Scaffolds in Aqueous Media. *European Journal of Organic Chemistry*, **2019**, 2019, 6989-6993	3.2	1
19	Trapping of N-Acyliminium Ions with Enamides: An Approach to Medium-Sized Diaza-Heterocycles. *Organic Letters*, **2018**, 20, 3430-3433	6.2	22
18	Direct Spirocyclization from Keto-sulfonamides: An Approach to Azaspiro Compounds. *Organic Letters*, **2017**, 19, 5042-5045	6.2	21
17	A grapevine cytochrome P450 generates the precursor of wine lactone, a key odorant in wine. *New Phytologist*, **2017**, 213, 264-274	9.8	24
16	Dynamics of Jasmonate Metabolism upon Flowering and across Leaf Stress Responses in Arabidopsis thaliana. *Plants*, **2016**, 5,	4.5	21
15	Silver-Catalyzed 7-exo-dig Cyclization of Silylenolether-ynesulfonamides. *Angewandte Chemie*, **2016**, 128, 5256-5260	3.6	9
14	Silver-Catalyzed 7-exo-dig Cyclization of Silylenolether-ynesulfonamides. *Angewandte Chemie - International Edition*, **2016**, 55, 5170-4	16.4	35
13	In situ intramolecular catalytic 1,2-addition of allenoates to cyclic ketones towards polycyclic allenoates. *Organic and Biomolecular Chemistry*, **2015**, 13, 2153-6	3.9	2
12	Sequential oxidation of Jasmonoyl-Phenylalanine and Jasmonoyl-Isoleucine by multiple cytochrome P450 of the CYP94 family through newly identified aldehyde intermediates. *Phytochemistry*, **2015**, 117, 388-399	4	23

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11	CYP94-mediated jasmonoyl-isoleucine hormone oxidation shapes jasmonate profiles and attenuates defence responses to Botrytis cinerea infection. *Journal of Experimental Botany*, **2015**, 66, 3879-92	7	46
10	CYP76C1 (Cytochrome P450)-Mediated Linalool Metabolism and the Formation of Volatile and Soluble Linalool Oxides in Arabidopsis Flowers: A Strategy for Defense against Floral Antagonists. *Plant Cell*, **2015**, 27, 2972-90	11.6	57
9	A Route for the Total Synthesis of Enantiomerically Enriched Jasmonates 12-COOH-JA and 12-COOH-JA-Ile. *European Journal of Organic Chemistry*, **2015**, 2015, 1130-1136	3.2	4
8	Dual function of the cytochrome P450 CYP76 family from Arabidopsis thaliana in the metabolism of monoterpenols and phenylurea herbicides. *Plant Physiology*, **2014**, 166, 1149-61	6.6	57
7	Total Syntheses of Hamigeran B. *Strategies and Tactics in Organic Synthesis*, **2013**, 203-229	0.2	3
6	Stereoselective cross aldol condensation of bicyclo[3.2.0]alkanones. *Organic and Biomolecular Chemistry*, **2013**, 11, 4025-9	3.9	3
5	Gene coexpression analysis reveals complex metabolism of the monoterpene alcohol linalool in Arabidopsis flowers. *Plant Cell*, **2013**, 25, 4640-57	11.6	80
4	The amidohydrolases IAR3 and ILL6 contribute to jasmonoyl-isoleucine hormone turnover and generate 12-hydroxyjasmonic acid upon wounding in Arabidopsis leaves. *Journal of Biological Chemistry*, **2013**, 288, 31701-14	5.4	77
3	A silver-catalyzed spirocyclization of alkynyl silyl enol ethers. *Chemistry - A European Journal*, **2012**, 18, 8028-31	4.8	20
2	Cytochromes P450 CYP94C1 and CYP94B3 catalyze two successive oxidation steps of plant hormone Jasmonoyl-isoleucine for catabolic turnover. *Journal of Biological Chemistry*, **2012**, 287, 6296-306	5.4	167
1	Intramolecular alkynylogous mukaiyama aldol reaction starting from bicyclic alkanones tethered to alkynyl esters: formal total synthesis of (+/-)-hamigeran B. *Chemistry - A European Journal*, **2009**, 15, 4394-401	4.8	43