

# Laurence Miesch

## List of Publications by Citations

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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	Cytochromes P450 CYP94C1 and CYP94B3 catalyze two successive oxidation steps of plant hormone Jasmonoyl-isoleucine for catabolic turnover. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 6296-3064	5.4	167
27	Gene coexpression analysis reveals complex metabolism of the monoterpene alcohol linalool in Arabidopsis flowers. <i>Plant Cell</i> , <b>2013</b> , 25, 4640-57	11.6	80
26	The amidohydrolases IAR3 and ILL6 contribute to jasmonoyl-isoleucine hormone turnover and generate 12-hydroxyjasmonic acid upon wounding in Arabidopsis leaves. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 31701-14	5.4	77
25	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. <i>Plant Cell</i> , <b>2015</b> , 27, 2972-90	11.6	57
24	Dual function of the cytochrome P450 CYP76 family from Arabidopsis thaliana in the metabolism of monoterpenols and phenylurea herbicides. <i>Plant Physiology</i> , <b>2014</b> , 166, 1149-61	6.6	57
23	CYP94-mediated jasmonoyl-isoleucine hormone oxidation shapes jasmonate profiles and attenuates defence responses to Botrytis cinerea infection. <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 3879-92	7	46
22	Intramolecular alkynylogous mukaiyama aldol reaction starting from bicyclic alkanones tethered to alkynyl esters: formal total synthesis of (+/-)-hamigeran B. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 4394-4401	4.8	43
21	Silver-Catalyzed 7-exo-dig Cyclization of Silylenolether-ynesulfonamides. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5170-4	16.4	35
20	A grapevine cytochrome P450 generates the precursor of wine lactone, a key odorant in wine. <i>New Phytologist</i> , <b>2017</b> , 213, 264-274	9.8	24
19	Sequential oxidation of Jasmonoyl-Phenylalanine and Jasmonoyl-Isoleucine by multiple cytochrome P450 of the CYP94 family through newly identified aldehyde intermediates. <i>Phytochemistry</i> , <b>2015</b> , 117, 388-399	4	23
18	Trapping of N-Acyliminium Ions with Enamides: An Approach to Medium-Sized Diaza-Heterocycles. <i>Organic Letters</i> , <b>2018</b> , 20, 3430-3433	6.2	22
17	Direct Spirocyclization from Keto-sulfonamides: An Approach to Azaspiro Compounds. <i>Organic Letters</i> , <b>2017</b> , 19, 5042-5045	6.2	21
16	Dynamics of Jasmonate Metabolism upon Flowering and across Leaf Stress Responses in Arabidopsis thaliana. <i>Plants</i> , <b>2016</b> , 5,	4.5	21
15	A silver-catalyzed spirocyclization of alkynyl silyl enol ethers. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 8028-31	4.8	20
14	A Promiscuous CYP706A3 Reduces Terpene Volatile Emission from Arabidopsis Flowers, Affecting Florivores and the Floral Microbiome. <i>Plant Cell</i> , <b>2019</b> , 31, 2947-2972	11.6	16
13	Tertiary Enamides as Versatile and Valuable Substrates to Reach Chemical Diversity. <i>Synthesis</i> , <b>2020</b> , 52, 2497-2511	2.9	11
12	Tertiary Enamide-Triggered SAR: Domino Allylation and Enamine-Type Addition. <i>Organic Letters</i> , <b>2019</b> , 21, 1569-1573	6.2	9

11	Silver-Catalyzed 7-exo-dig Cyclization of Silylenolether-ynesulfonamides. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5256-5260	3.6	9
10	Innate promiscuity of the CYP706 family of P450 enzymes provides a suitable context for the evolution of dinitroaniline resistance in weed. <i>New Phytologist</i> , <b>2021</b> , 229, 3253-3268	9.8	9
9	Tertiary Enamide-Promoted Diastereoselective Domino: -Acyliminium Ion Trapping and Nazarov Cyclization. <i>Organic Letters</i> , <b>2020</b> , 22, 6771-6775	6.2	8
8	Spirocyclization of keto-ynesulfonamides promoted by quaternary ammonium salts. <i>Organic Chemistry Frontiers</i> , <b>2019</b> , 6, 373-376	5.2	5
7	Metal-free synthesis of activated ynesulfonamides and tertiary enesulfonamides. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 5688-5692	3.9	4
6	A Route for the Total Synthesis of Enantiomerically Enriched Jasmonates 12-COOH-JA and 12-COOH-JA-Ile. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 1130-1136	3.2	4
5	Total Syntheses of Hamigeran B. <i>Strategies and Tactics in Organic Synthesis</i> , <b>2013</b> , 203-229	0.2	3
4	Stereoselective cross aldol condensation of bicyclo[3.2.0]alkanones. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 4025-9	3.9	3
3	Direct Synthesis of CFH-Substituted 2-Amidofurans via Copper-Catalyzed Addition of Difluorinated Diazoacetone to Ynamides. <i>Organic Letters</i> , <b>2021</b> , 23, 5528-5532	6.2	3
2	In situ intramolecular catalytic 1,2-addition of allenates to cyclic ketones towards polycyclic allenates. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 2153-6	3.9	2
1	Surfactant Micelles Enable Metal-Free Spirocyclization of Keto-Ynamides and Access to Aza-Spiro Scaffolds in Aqueous Media. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 6989-6993	3.2	1