Catrin GÃ¼nther

List of Publications by Year
in descending order

32 papers	2,710 citations	331670 21 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	3071 citing authors

#	Article	IF	Citations
1	Sex increases the efficacy of natural selection in experimental yeast populations. Nature, 2005, 434, 636-640.	27.8	399
2	Symbiotic Leghemoglobins Are Crucial for Nitrogen Fixation in Legume Root Nodules but Not for General Plant Growth and Development. Current Biology, 2005, 15, 531-535.	3.9	350
3	Regional microbial signatures positively correlate with differential wine phenotypes: evidence for a microbial aspect to terroir. Scientific Reports, 2015, 5, 14233.	3.3	219
4	A distinct population of <i>Saccharomyces cerevisiae</i> in New Zealand: evidence for local dispersal by insects and humanâ€aided global dispersal in oak barrels. Environmental Microbiology, 2010, 12, 63-73.	3.8	176
5	Population Genetics of the Wild Yeast Saccharomyces paradoxus. Genetics, 2004, 166, 43-52.	2.9	143
6	Pyrosequencing reveals regional differences in fruitâ€associated fungal communities. Environmental Microbiology, 2014, 16, 2848-2858.	3.8	143
7	QUANTIFYING THE COMPLEXITIES OF<i>SACCHAROMYCES CEREVISIAE</i>'S ECOSYSTEM ENGINEERING VIA FERMENTATION. Ecology, 2008, 89, 2077-2082.	3.2	128
8	Saccharomyces cerevisiae: a nomadic yeast with no niche?. FEMS Yeast Research, 2015, 15, .	2.3	127
9	Geographic delineations of yeast communities and populations associated with vines and wines in New Zealand. ISME Journal, 2012, 6, 1281-1290.	9.8	122
10	Niche construction initiates the evolution of mutualistic interactions. Ecology Letters, 2014, 17, 1257-1264.	6.4	109
11	Fungal communities are differentially affected by conventional and biodynamic agricultural management approaches in vineyard ecosystems. Agriculture, Ecosystems and Environment, 2017, 246, 306-313.	5.3	94
12	Quantifying Variation in the Ability of Yeasts to Attract Drosophila melanogaster. PLoS ONE, 2013, 8, e75332.	2.5	89
13	The impact of cold storage and ethylene on volatile ester production and aroma perception in â€˜Hort16Aâ€™ kiwifruit. Food Chemistry, 2015, 169, 5-12.	8.2	67
14	<i>Saccharomyces eubayanus</i> and <i>Saccharomyces arboricola</i> reside in North Island native New Zealand forests. Environmental Microbiology, 2016, 18, 1137-1147.	3.8	64
15	Absence of Symbiotic Leghemoglobins Alters Bacteroid and Plant Cell Differentiation During Development of <i>Lotus japonicus</i> Root Nodules. Molecular Plant-Microbe Interactions, 2009, 22, 800-808.	2.6	55
16	Metabolism of Reactive Oxygen Species Is Attenuated in Leghemoglobin-Deficient Nodules of Lotus japonicus. Molecular Plant-Microbe Interactions, 2007, 20, 1596-1603.	2.6	53
17	Characterisation of two alcohol acyltransferases from kiwifruit (Actinidia spp.) reveals distinct substrate preferences. Phytochemistry, 2011, 72, 700-710.	2.9	53
18	Sex enhances adaptation by unlinking beneficial from detrimental mutations in experimental yeast populations. BMC Evolutionary Biology, 2012, 12, 43.	3.2	53

#	Article	IF	Citations
19	Spatiotemporal Modulation of Flavonoid Metabolism in Blueberries. Frontiers in Plant Science, 2020, 11, 545.	3.6	42
20	Sporulation in soil as an overwinter survival strategy in<i>Saccharomyces cerevisiae</i>. FEMS Yeast Research, 2016, 16, fov102.	2.3	34
21	(Methylsulfanyl)alkanoate ester biosynthesis in Actinidia chinensis kiwifruit and changes during cold storage. Phytochemistry, 2010, 71, 742-750.	2.9	32
22	A chromosomeâ€scale assembly of the bilberry genome identifies a complex locus controlling berry anthocyanin composition. Molecular Ecology Resources, 2022, 22, 345-360.	4.8	28
23	Do yeasts and Drosophila interact just by chance?. Fungal Ecology, 2019, 38, 37-43.	1.6	23
24	Hierarchical regulation of <i>MYBPA1</i> by anthocyanin- and proanthocyanidin-related MYB proteins is conserved in <i>Vaccinium</i> species. Journal of Experimental Botany, 2022, 73, 1344-1356.	4.8	20
25	Ethylene-regulated (methylsulfanyl)alkanoate ester biosynthesis is likely to be modulated by precursor availability in Actinidia chinensis genotypes. Journal of Plant Physiology, 2011, 168, 629-638.	3.5	18
26	The Context of Chemical Communication Driving a Mutualism. Journal of Chemical Ecology, 2015, 41, 929-936.	1.8	14
27	Separate and combined Hanseniaspora uvarum and Metschnikowia pulcherrima metabolic volatiles are attractive to Drosophila suzukii in the laboratory and field. Scientific Reports, 2021, 11, 1201.	3.3	14
28	Are <i>Drosophila</i> preferences for yeasts stable or contextual?. Ecology and Evolution, 2019, 9, 8075-8086.	1.9	13
29	Development of a quantitative method for headspace analysis of methylsulfanyl-volatiles from kiwifruit tissue. Food Research International, 2011, 44, 1331-1338.	6.2	12
30	The Coordinated Action of MYB Activators and Repressors Controls Proanthocyanidin and Anthocyanin Biosynthesis in Vaccinium. Frontiers in Plant Science, 0, 13, .	3.6	8
31	The relative abundances of yeasts attractive to Drosophila suzukii differ between fruit types and are greatest on raspberries. Scientific Reports, 2022, 12, .	3.3	6
32	Livestock microbial landscape patterns: Retail poultry microbiomes significantly vary by region and season. Food Microbiology, 2022, 101, 103878.	4.2	2