Julia SchÃ¼ckel

List of Publications by Year
in descending order

23	1,202	471509 17	677142 22
papers	citations	h-index	g-index

23	23	23	2096
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dietary pectic glycans are degraded by coordinated enzyme pathways in human colonic Bacteroides. Nature Microbiology, 2018, 3, 210-219.	13.3	263
2	Do Rumen Bacteroidetes Utilize an Alternative Mechanism for Cellulose Degradation?. MBio, 2014, 5, e01401-14.	4.1	150
3	Interspecies cross-feeding orchestrates carbon degradation in the rumen ecosystem. Nature Microbiology, 2018, 3, 1274-1284.	13.3	144
4	Characterization of three plant biomass-degrading microbial consortia by metagenomics- and metasecretomics-based approaches. Applied Microbiology and Biotechnology, 2016, 100, 10463-10477.	3.6	73
5	Complexity of the Ruminococcus flavefaciens cellulosome reflects an expansion in glycan recognition. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7136-7141.	7.1	58
6	A new generation of versatile chromogenic substrates for high-throughput analysis of biomass-degrading enzymes. Biotechnology for Biofuels, 2015, 8, 70.	6.2	53
7	A New Versatile Microarray-based Method for High Throughput Screening of Carbohydrate-active Enzymes. Journal of Biological Chemistry, 2015, 290, 9020-9036.	3.4	52
8	One-copper laccase-related enzyme from Marasmius sp.: Purification, characterization and bleaching of textile dyes. Enzyme and Microbial Technology, 2011, 48, 278-284.	3.2	49
9	A Polysaccharide Utilization Locus from an Uncultured Bacteroidetes Phylotype Suggests Ecological Adaptation and Substrate Versatility. Applied and Environmental Microbiology, 2015, 81, 187-195.	3.1	45
10	Investigating the relationship between grape cell wall polysaccharide composition and the extractability of phenolic compounds into Shiraz wines. Part I: Vintage and ripeness effects. Food Chemistry, 2019, 278, 36-46.	8.2	41
11	Elucidating the role of polygalacturonase genes in strawberry fruit softening. Journal of Experimental Botany, 2020, 71, 7103-7117.	4.8	41
12	A Geneâ€Fusion Approach to Enabling Plant Cytochromes P450 for Biocatalysis. ChemBioChem, 2012, 13, 2758-2763.	2.6	39
13	Pea Border Cell Maturation and Release Involve Complex Cell Wall Structural Dynamics. Plant Physiology, 2017, 174, 1051-1066.	4.8	38
14	Kluyveromyces marxianus Secretes a Pectinase in Shiraz Grape Must That Impacts Technological Properties and Aroma Profile of Wine. Journal of Agricultural and Food Chemistry, 2018, 66, 11739-11747.	5.2	32
15	Investigating the relationship between cell wall polysaccharide composition and the extractability of grape phenolic compounds into Shiraz wines. Part II: Extractability during fermentation into wines made from grapes of different ripeness levels. Food Chemistry, 2019, 278, 26-35.	8.2	32
16	Enzyme Activities at Different Stages of Plant Biomass Decomposition in Three Species of Fungus-Growing Termites. Applied and Environmental Microbiology, 2018, 84, .	3.1	31
17	Grape pomace fermentation and cell wall degradation by Kluyveromyces marxianus Y885. Biochemical Engineering Journal, 2019, 150, 107282.	3.6	25
18	The impact of carbohydrate-active enzymes on mediating cell wall polysaccharide-tannin interactions in a wine-like matrix. Food Research International, 2020, 129, 108889.	6.2	15

#	Article	IF	Citations
19	The Influence of Hydrolytic Enzymes on Tannin Adsorption-Desorption onto Grape Cell Walls in a Wine-Like Matrix. Molecules, 2021, 26, 770.	3.8	7
20	Untangling the impact of red wine maceration times on wine ageing. A multidisciplinary approach focusing on extended maceration in Shiraz wines. Food Research International, 2021, 150, 110697.	6.2	6
21	High-throughput Screening of Carbohydrate-degrading Enzymes Using Novel Insoluble Chromogenic Substrate Assay Kits. Journal of Visualized Experiments, 2016, , .	0.3	5
22	High-throughput analysis of endogenous fruit glycosyl hydrolases using a novel chromogenic hydrogel substrate assay. Analytical Methods, 2017, 9, 1242-1247.	2.7	3
23	Two-Dimensional High-Throughput Endo-Enzyme Screening Assays Based on Chromogenic Polysaccharide Hydrogel and Complex Biomass Substrates. Methods in Molecular Biology, 2018, 1796, 201-217.	0.9	0