

Raymonde Baltenweck

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

990
citations

566801

15
h-index

642321

23
g-index

23
all docs

23
docs citations

23
times ranked

1516
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis of monoterpene scent compounds in roses. <i>Science</i> , 2015, 349, 81-83.	6.0	177
2	Structural, Functional, and Evolutionary Analysis of the Unusually Large Stilbene Synthase Gene Family in Grapevine. <i>Plant Physiology</i> , 2012, 160, 1407-1419.	2.3	138
3	Anionic RR120 dye adsorption onto raw clay: Surface properties and adsorption mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 403, 69-78.	2.3	108
4	Gene Coexpression Analysis Reveals Complex Metabolism of the Monoterpene Alcohol Linalool in <i>Arabidopsis</i> Flowers. <i>Plant Cell</i> , 2013, 25, 4640-4657.	3.1	104
5	Genetic Analysis of the Biosynthesis of 2-Methoxy-3-Isobutylpyrazine, a Major Grape-Derived Aroma Compound Impacting Wine Quality. <i>Plant Physiology</i> , 2013, 162, 604-615.	2.3	89
6	Genetic diversity of stilbene metabolism in <i>Vitis sylvestris</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 3243-3257.	2.4	71
7	Thiamine modulates metabolism of the phenylpropanoid pathway leading to enhanced resistance to <i>Plasmopara viticola</i> in grapevine. <i>BMC Plant Biology</i> , 2013, 13, 31.	1.6	63
8	A novel symmetrical pyrano-3-deoxyanthocyanidin from a <i>Sorghum</i> species. <i>Phytochemistry Letters</i> , 2010, 3, 93-95.	0.6	32
9	A grapevine cytochrome P450 generates the precursor of wine lactone, a key odorant in wine. <i>New Phytologist</i> , 2017, 213, 264-274.	3.5	31
10	Link between carrot leaf secondary metabolites and resistance to <i>Alternaria dauci</i> . <i>Scientific Reports</i> , 2018, 8, 13746.	1.6	25
11	Identification of Lipid Markers of <i>Plasmopara viticola</i> Infection in Grapevine Using a Non-targeted Metabolomic Approach. <i>Frontiers in Plant Science</i> , 2018, 9, 360.	1.7	22
12	Ancestral chemotypes of cultivated grapevine with resistance to Botryosphaeriaceae-related dieback allocate metabolism towards bioactive stilbenes. <i>New Phytologist</i> , 2021, 229, 1133-1146.	3.5	22
13	Functional diversification in the <i>Nudix hydrolase</i> gene family drives sesquiterpene biosynthesis in <i>Rosa</i> – <i>wichurana</i> . <i>Plant Journal</i> , 2020, 104, 185-199.	2.8	21
14	Arsenite response in <i>Coccomyxa</i> sp. Carn explored by transcriptomic and non-targeted metabolomic approaches. <i>Environmental Microbiology</i> , 2016, 18, 1289-1300.	1.8	20
15	Toward the understanding of the treatment of textile industries' effluents by clay: adsorption of anionic dye on kaolinite. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	16
16	The Algal Polysaccharide Ulvan Induces Resistance in Wheat Against <i>Zymoseptoria tritici</i> Without Major Alteration of Leaf Metabolome. <i>Frontiers in Plant Science</i> , 2021, 12, 703712.	1.7	12
17	A Laminarin-Based Formulation Protects Wheat Against <i>Zymoseptoria tritici</i> via Direct Antifungal Activity and Elicitation of Host Defense-Related Genes. <i>Plant Disease</i> , 2022, 106, 1408-1418.	0.7	11
18	Severe Stunting Symptoms upon Nepovirus Infection Are Reminiscent of a Chronic Hypersensitive-like Response in a Perennial Woody Fruit Crop. <i>Viruses</i> , 2021, 13, 2138.	1.5	10

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19	Retrodihydrochalcones in Sorghum species: Key intermediates in the biosynthesis of 3-deoxyanthocyanidins?. <i>Phytochemistry Letters</i> , 2012, 5, 174-176.	0.6	9
20	Color recycling: metabolization of apocarotenoid degradation products suggests carbon regeneration via primary metabolic pathways. <i>Plant Cell Reports</i> , 2022, 41, 961-977.	2.8	5
21	Identification of a novel 7-desmethyl-7-acetyl bacteriophageophorbide c series in a recent sediment. <i>Organic Geochemistry</i> , 2007, 38, 1580-1584.	0.9	2
22	Carrot resistance against <i>Alternaria</i> leaf blight: potential involvement of terpenes and flavonoids. <i>Acta Horticulturae</i> , 2019, , 191-198.	0.1	1
23	Comparative Metabolomic Analysis of Four Fabaceae and Relationship to In Vitro Nematicidal Activity against <i>Xiphinema</i> index. <i>Molecules</i> , 2022, 27, 3052.	1.7	1