

Lorenzo Caputi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6120297/publications.pdf>

Version: 2024-02-01

35
papers

2,161
citations

331259

21
h-index

377514

34
g-index

38
all docs

38
docs citations

38
times ranked

3076
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved virus-induced gene silencing allows discovery of a serpentine synthase gene in <i>Catharanthus roseus</i> . <i>Plant Physiology</i> , 2021, 187, 846-857.	2.3	20
2	<i>Nicotiana benthamiana</i> as a Transient Expression Host to Produce Auxin Analogs. <i>Frontiers in Plant Science</i> , 2020, 11, 581675.	1.7	15
3	Structural basis of cycloaddition in biosynthesis of iboga and aspidosperma alkaloids. <i>Nature Chemical Biology</i> , 2020, 16, 383-386.	3.9	33
4	Chlorinated Auxins—How Does <i>Arabidopsis Thaliana</i> Deal with Them?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2567.	1.8	7
5	Hairy root transformation of <i>Brassica rapa</i> with bacterial halogenase genes and regeneration to adult plants to modify production of indolic compounds. <i>Phytochemistry</i> , 2020, 175, 112371.	1.4	8
6	The complexity of intercellular localisation of alkaloids revealed by single-cell metabolomics. <i>New Phytologist</i> , 2019, 224, 848-859.	3.5	65
7	Biosynthesis of an Anti-Addiction Agent from the Iboga Plant. <i>Journal of the American Chemical Society</i> , 2019, 141, 12979-12983.	6.6	39
8	Discovery of a Short-Chain Dehydrogenase from <i>Catharanthus roseus</i> that Produces a New Monoterpene Indole Alkaloid. <i>ChemBioChem</i> , 2018, 19, 940-948.	1.3	20
9	Missing enzymes in the biosynthesis of the anticancer drug vinblastine in Madagascar periwinkle. <i>Science</i> , 2018, 360, 1235-1239.	6.0	279
10	Identification of iridoid synthases from <i>Nepeta</i> species: Iridoid cyclization does not determine nepetalactone stereochemistry. <i>Phytochemistry</i> , 2018, 145, 48-56.	1.4	29
11	Strategies to Produce Chlorinated Indole-3-acetic Acid and Indole-3-acetic Acid Intermediates. <i>ChemistrySelect</i> , 2017, 2, 11148-11153.	0.7	4
12	Structural characterization of EasH (<i>Aspergillus japonicus</i>)—an oxidase involved in cycloclavine biosynthesis. <i>Chemical Communications</i> , 2016, 52, 14306-14309.	2.2	28
13	Structural investigation of heteroyohimbine alkaloid synthesis reveals active site elements that control stereoselectivity. <i>Nature Communications</i> , 2016, 7, 12116.	5.8	85
14	Structural determinants of reductive terpene cyclization in iridoid biosynthesis. <i>Nature Chemical Biology</i> , 2016, 12, 6-8.	3.9	58
15	Enzymatic synthesis of nucleobase-modified UDP-sugars: scope and limitations. <i>Carbohydrate Research</i> , 2015, 404, 17-25.	1.1	21
16	Discovery and Reconstitution of the Cycloclavine Biosynthetic Pathway—Enzymatic Formation of a Cyclopropyl Group. <i>Angewandte Chemie</i> , 2015, 127, 5206-5210.	1.6	19
17	Discovery and Reconstitution of the Cycloclavine Biosynthetic Pathway—Enzymatic Formation of a Cyclopropyl Group. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5117-5121.	7.2	61
18	The crystal structure of <i>Erwinia amylovora</i> levansucrase provides a snapshot of the products of sucrose hydrolysis trapped into the active site. <i>Journal of Structural Biology</i> , 2015, 191, 290-298.	1.3	56

#	ARTICLE	IF	CITATIONS
19	Unlocking the Diversity of Alkaloids in <i>Catharanthus roseus</i> : Nuclear Localization Suggests Metabolic Channeling in Secondary Metabolism. <i>Chemistry and Biology</i> , 2015, 22, 336-341.	6.2	103
20	Cloning, purification, crystallization and 1.57 Å resolution X-ray data analysis of Amsl, the tyrosine phosphatase controlling amylovoran biosynthesis in the plant pathogen <i>Erwinia amylovora</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1693-1696.	0.4	4
21	A one-pot enzymatic approach to the O-fluoroglucoside of N-methylantranilate. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4762-4767.	1.4	8
22	Biomolecular Characterization of the Levansucrase of <i>Erwinia amylovora</i> , a Promising Biocatalyst for the Synthesis of Fructooligosaccharides. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 12265-12273.	2.4	45
23	Cloning, expression, purification, crystallization and preliminary X-ray analysis of <i>Erwinia amylovora</i> Lsc, a levansucrase from <i>Erwinia amylovora</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 570-573.	0.7	15
24	Gibberellin metabolism in <i>Vitis vinifera</i> L. during bloom and fruit-set: functional characterization and evolution of grapevine gibberellin oxidases. <i>Journal of Experimental Botany</i> , 2013, 64, 4403-4419.	2.4	102
25	A Versatile Targeted Metabolomics Method for the Rapid Quantification of Multiple Classes of Phenolics in Fruits and Beverages. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8831-8840.	2.4	267
26	LC-MS based global metabolite profiling of grapes: solvent extraction protocol optimisation. <i>Metabolomics</i> , 2012, 8, 175-185.	1.4	72
27	A genome-wide phylogenetic reconstruction of family 1 UDP-glycosyltransferases revealed the expansion of the family during the adaptation of plants to life on land. <i>Plant Journal</i> , 2012, 69, 1030-1042.	2.8	270
28	Relationship of Changes in Rotundone Content during Grape Ripening and Winemaking to Manipulation of the "Peppery" Character of Wine. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 5565-5571.	2.4	81
29	Use of Terpenoids as Natural Flavouring Compounds in Food Industry. <i>Recent Patents on Food, Nutrition & Agriculture</i> , 2011, 3, 9-16.	0.5	129
30	Effective analysis of rotundone at below-threshold levels in red and white wines using solid-phase microextraction gas chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 483-488.	0.7	38
31	Discovery of New Biocatalysts for the Glycosylation of Terpenoid Scaffolds. <i>Chemistry - A European Journal</i> , 2008, 14, 6656-6662.	1.7	77
32	Crucial pathophysiological role of CXCR2 in experimental ulcerative colitis in mice. <i>Journal of Leukocyte Biology</i> , 2007, 82, 1239-1246.	1.5	83
33	Characterization of a novel microperoxidase from <i>Marinobacter hydrocarbonoclasticus</i> by electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2005, 40, 325-330.	0.7	4
34	A new microperoxidase from <i>Marinobacter hydrocarbonoclasticus</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1725, 71-80.	1.1	7
35	Directed Biosynthesis of New to Nature Alkaloids in a Heterologous <i>Nicotiana benthamiana</i> Expression Host. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5