

Till Beuerle

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/18108/till-beuerle-publications-by-year.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88 papers	2,621 citations	29 h-index	48 g-index
92 ext. papers	2,901 ext. citations	4.1 avg, IF	4.82 L-index

#	Paper	IF	Citations
88	Formation and exudation of biphenyl and dibenzofuran phytoalexins by roots of the apple rootstock M26 grown in apple replant disease soil. <i>Phytochemistry</i> , 2021 , 192, 112972	4	1
87	Octaketide Synthase from <i>Polygonum cuspidatum</i> Implements Emodin Biosynthesis in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2021 , 62, 424-435	4.9	0
86	Biodegradation and utilization of crop residues contaminated with poisonous pyrrolizidine alkaloids. <i>Journal of Environmental Management</i> , 2021 , 290, 112629	7.9	3
85	Pyrrolizidine Alkaloids in the Food Chain: Is Horizontal Transfer of Natural Products of Relevance?. <i>Foods</i> , 2021 , 10,	4.9	4
84	Variation of the Main Alkaloid Content in <i>L.</i> in the Light of Its Ontogeny. <i>Toxins</i> , 2020 , 12,	4.9	1
83	High-performance countercurrent chromatography fractionation of epimeric pairs intermedine/lycopsamine and amabiline/supinine by an off-line electrospray mass spectrometry injection profiling of the roots of <i>Lappula squarrosa</i> . <i>Microchemical Journal</i> , 2020 , 157, 104952	4.8	1
82	A promiscuous coenzyme A ligase provides benzoyl-coenzyme A for xanthone biosynthesis in <i>Hypericum</i> . <i>Plant Journal</i> , 2020 , 104, 1472-1490	6.9	6
81	A validated HPTLC method for the simultaneous quantifications of three phenolic acids and three withanolides from <i>Withania somnifera</i> plants and its herbal products. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1124, 154-160	3.2	9
80	HILIC HPLC-ESI-MS/MS identification and quantification of the alkaloids from the genus <i>Equisetum</i> . <i>Phytochemical Analysis</i> , 2019 , 30, 669-678	3.4	9
79	Quantitative and qualitative analysis of pyrrolizidine alkaloids in liqueurs, elixirs and herbal juices. <i>Phytotherapy Research</i> , 2019 , 136, 104172	3.2	6
78	Cinnamate-CoA ligase is involved in biosynthesis of benzoate-derived biphenyl phytoalexin in <i>Malus domestica</i> 'Golden Delicious' cell cultures. <i>Plant Journal</i> , 2019 , 100, 1176-1192	6.9	9
77	Identification and quantification of synthetic cannabinoids in 'spice-like' herbal mixtures: Update of the German situation in summer 2018. <i>Forensic Science International</i> , 2019 , 294, 96-102	2.6	17
76	Uncertainties in the determination of pyrrolizidine alkaloid levels in naturally contaminated honeys and comparison of results obtained by different analytical approaches. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018 , 35, 1366-1383	3.2	11
75	Identification and quantification of synthetic cannabinoids in 'spice-like' herbal mixtures: Update of the German situation in early 2017. <i>Forensic Science International</i> , 2017 , 277, 51-58	2.6	20
74	Toxic pyrrolizidine alkaloids in herbal medicines commonly used in Ghana. <i>Journal of Ethnopharmacology</i> , 2017 , 202, 154-161	5	22
73	Determination of cross-reactivity of poly- and monoclonal antibodies for synthetic cannabinoids by direct SPR and ELISA. <i>Forensic Science International</i> , 2017 , 280, 25-34	2.6	8
72	Incidence of Pyrrolizidine Alkaloids in Herbal Medicines from German Retail Markets: Risk Assessments and Implications to Consumers. <i>Phytotherapy Research</i> , 2017 , 31, 1903-1909	6.7	16

71	The Analysis of Pyrrolizidine Alkaloids in Honey 2017 , 237-266		1
70	Phytochemical investigations and food-choice experiments with two mollusc species in three central European Senecio L. (Asteraceae, Senecioneae) species and their hybrids. <i>Chemoecology</i> , 2017 , 27, 155-169	2	6
69	Pyrrolizidine alkaloids in floral honeys of tropical Ghana: a health risk assessment. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2017 , 10, 300-310	3.3	7
68	Identification and quantification of synthetic cannabinoids in 'spice-like' herbal mixtures: update of the German situation for the spring of 2015. <i>Forensic Toxicology</i> , 2016 , 34, 94-107	2.6	28
67	Identification and quantification of synthetic cannabinoids in "spice-like" herbal mixtures: Update of the German situation for the spring of 2016. <i>Forensic Science International</i> , 2016 , 269, 31-41	2.6	43
66	Development and Validation of a New HPLC Method for the Determination of Biphenyl and Dibenzofuran Phytoalexins in Rosaceae. <i>Journal of Chromatographic Science</i> , 2016 , 54, 918-22	1.4	6
65	Hyperforin production in <i>Hypericum perforatum</i> root cultures. <i>Journal of Biotechnology</i> , 2016 , 222, 47-55	5.7	27
64	Survey of pyrrolizidine alkaloids in seven varieties of <i>Lappula squarrosa</i> : An alternative source of heart-healthy vegetable oil. <i>Phytochemical Analysis</i> , 2016 , 27, 133-9	3.4	4
63	Bifunctional CYP81AA proteins catalyse identical hydroxylations but alternative regioselective phenol couplings in plant xanthone biosynthesis. <i>Nature Communications</i> , 2016 , 7, 11472	17.4	31
62	Structural and quantitative analysis of <i>Equisetum</i> alkaloids. <i>Phytochemistry</i> , 2015 , 116, 269-282	4	16
61	Pyrrolizidine alkaloids in herbal teas for infants, pregnant or lactating women. <i>Food Chemistry</i> , 2015 , 187, 491-8	8.5	31
60	Biphenyl 4-Hydroxylases Involved in Aucuparin Biosynthesis in Rowan and Apple Are Cytochrome P450 736A Proteins. <i>Plant Physiology</i> , 2015 , 168, 428-42	6.6	22
59	O-Methyltransferases involved in biphenyl and dibenzofuran biosynthesis. <i>Plant Journal</i> , 2015 , 83, 263-76	6.9	14
58	Molecular Cloning and Characterization of a Xanthone Prenyltransferase from <i>Hypericum calycinum</i> Cell Cultures. <i>Molecules</i> , 2015 , 20, 15616-30	4.8	22
57	Single cell subtractive transcriptomics for identification of cell-specifically expressed candidate genes of pyrrolizidine alkaloid biosynthesis. <i>Phytochemistry</i> , 2015 , 117, 17-24	4	7
56	Shoot cultures of <i>Hoppea fastigiata</i> (Griseb.) C.B. Clarke as potential source of neuroprotective xanthones. <i>Journal of Natural Medicines</i> , 2015 , 69, 375-86	3.3	5
55	Process Development of <i>Lappula squarrosa</i> Oil Refinement: Monitoring of Pyrrolizidine Alkaloids in Boraginaceae Seed Oils. <i>JAOCs, Journal of the American Oil Chemists Society</i> , 2014 , 91, 721-731	1.8	12
54	Identification and quantification of synthetic cannabinoids in 'spice-like' herbal mixtures: a snapshot of the German situation in the autumn of 2012. <i>Drug Testing and Analysis</i> , 2014 , 6, 59-71	3.5	52

53	Crematoenones - a novel substance class exhibited by ants functions as appeasement signal. <i>Frontiers in Zoology</i> , 2013 , 10, 32	2.8	11
52	Phytoalexin formation in fire blight-infected apple. <i>Trees - Structure and Function</i> , 2013 , 27, 477-484	2.6	17
51	Biosynthesis of the biphenyl phytoalexin aucuparin in Sorbus aucuparia cell cultures treated with Venturia inaequalis. <i>Phytochemistry</i> , 2013 , 96, 101-9	4	18
50	In vitro formation of the anthranoid scaffold by cell-free extracts from yeast-extract-treated Cassia bicapsularis cell cultures. <i>Phytochemistry</i> , 2013 , 88, 15-24	4	14
49	Pyrrolizidine alkaloids in the food chain: development, validation, and application of a new HPLC-ESI-MS/MS sum parameter method. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 11382-91	5.7	48
48	Formation of biphenyl and dibenzofuran phytoalexins in the transition zones of fire blight-infected stems of Malus domestica cv. 'Holsteiner Cox' and Pyrus communis cv. 'Conference'. <i>Phytochemistry</i> , 2012 , 77, 179-85	4	36
47	Cinnamate:CoA ligase initiates the biosynthesis of a benzoate-derived xanthone phytoalexin in Hypericum calycinum cell cultures. <i>Plant Physiology</i> , 2012 , 160, 1267-80	6.6	48
46	Independent recruitment of a flavin-dependent monooxygenase for safe accumulation of sequestered pyrrolizidine alkaloids in grasshoppers and moths. <i>PLoS ONE</i> , 2012 , 7, e31796	3.7	17
45	Turning the 'mustard oil bomb' into a 'cyanide bomb': aromatic glucosinolate metabolism in a specialist insect herbivore. <i>PLoS ONE</i> , 2012 , 7, e35545	3.7	50
44	Synthetic cannabinoids in "spice-like" herbal blends: first appearance of JWH-307 and recurrence of JWH-018 on the German market. <i>Forensic Science International</i> , 2012 , 222, 216-22	2.6	40
43	Analysis of synthetic cannabinoids in "spice-like" herbal highs: snapshot of the German market in summer 2011. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 157-71	4.4	44
42	Absence of pyrrolizidine alkaloids in Cordia gillettii de wild (boraginaceae). <i>Biochemical Systematics and Ecology</i> , 2012 , 41, 1-2	1.4	1
41	Detection and quantification of pyrrolizidine alkaloids in antibacterial medical honeys. <i>Planta Medica</i> , 2012 , 78, 1976-82	3.1	19
40	Cinnamyl alcohols and methyl esters of fatty acids from Wedelia prostrata callus cultures. <i>Natural Product Research</i> , 2011 , 25, 45-52	2.3	2
39	4-Coumarate:CoA ligase family members from elicitor-treated Sorbus aucuparia cell cultures. <i>Journal of Plant Physiology</i> , 2011 , 168, 944-51	3.6	24
38	Identification and characterization of JWH-122 used as new ingredient in "Spice-like" herbal incenses. <i>Forensic Science International</i> , 2011 , 208, e31-5	2.6	74
37	Characterization of p-hydroxybenzaldehyde dehydrogenase, the final enzyme of p-hydroxybenzoic acid biosynthesis in hairy roots of Daucus carota. <i>Acta Physiologiae Plantarum</i> , 2011 , 33, 2019-2024	2.6	11
36	Pyrrolizidine alkaloids in honey: comparison of analytical methods. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2011 , 28, 332-47	3.2	50

35	Pyrrolizidine alkaloids in food: downstream contamination in the food chain caused by honey and pollen. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2011 , 28, 325-31	3.2	38
34	Differential effect of elicitors on biphenyl and dibenzofuran formation in <i>Sorbus aucuparia</i> cell cultures. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 11977-84	5.7	43
33	Pyrrolizidine alkaloids (PAs) in honey and pollen-legal regulation of PA levels in food and animal feed required. <i>Molecular Nutrition and Food Research</i> , 2010 , 54, 158-68	5.9	61
32	Pyrrolizidinalkaloide in Honig und Pollen. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2010 , 5, 393-406	2.3	16
31	A novel 4-hydroxycoumarin biosynthetic pathway. <i>Plant Molecular Biology</i> , 2010 , 72, 17-25	4.6	31
30	Pyrrolizidine alkaloids in pollen and pollen products. <i>Molecular Nutrition and Food Research</i> , 2010 , 54, 292-300	5.9	61
29	A single amino acid substitution converts benzophenone synthase into phenylpyrone synthase. <i>Journal of Biological Chemistry</i> , 2009 , 284, 30957-64	5.4	20
28	Homospermidine in transgenic tobacco results in considerably reduced spermidine levels but is not converted to pyrrolizidine alkaloid precursors. <i>Plant Molecular Biology</i> , 2009 , 71, 145-55	4.6	13
27	Feeding deterrence and detrimental effects of pyrrolizidine alkaloids fed to honey bees (<i>Apis mellifera</i>). <i>Journal of Chemical Ecology</i> , 2009 , 35, 1086-95	2.7	38
26	Spice: a never ending story?. <i>Forensic Science International</i> , 2009 , 191, 58-63	2.6	250
25	Benzaldehyde dehydrogenase from chitosan-treated <i>Sorbus aucuparia</i> cell cultures. <i>Journal of Plant Physiology</i> , 2009 , 166, 1343-9	3.6	21
24	Pyrrolizidine alkaloids in honey: risk analysis by gas chromatography-mass spectrometry. <i>Molecular Nutrition and Food Research</i> , 2008 , 52, 1193-200	5.9	82
23	Pyrrolizidine alkaloids of the endemic Mexican genus <i>Pittocaulon</i> and assignment of stereoisomeric 1,2-saturated necine bases. <i>Phytochemistry</i> , 2008 , 69, 154-67	4	18
22	<i>Ceroplastes albolineatus</i> , the first scale insect shown to sequester pyrrolizidine alkaloids from its host-plant <i>Pittocaulon praecox</i> . <i>Chemoecology</i> , 2007 , 17, 109-115	2	11
21	Absolute configuration of the cretonotines and callimorphines, two classes of arctiid-specific pyrrolizidine alkaloids. <i>Insect Biochemistry and Molecular Biology</i> , 2007 , 37, 80-9	4.5	6
20	The first prenylation step in hyperforin biosynthesis. <i>Phytochemistry</i> , 2005 , 66, 51-7	4	37
19	Biosynthesis of the hyperforin skeleton in <i>Hypericum calycinum</i> cell cultures. <i>Phytochemistry</i> , 2005 , 66, 139-45	4	60
18	Frequent gain and loss of pyrrolizidine alkaloids in the evolution of <i>Senecio</i> section <i>Jacobaea</i> (Asteraceae). <i>Phytochemistry</i> , 2005 , 66, 1285-95	4	78

17	Direct evidence for membrane transport of host-plant-derived pyrrolizidine alkaloid N-oxides in two leaf beetle genera. <i>Journal of Chemical Ecology</i> , 2004 , 30, 2003-22	2.7	14
16	Biphenyl synthase from yeast-extract-treated cell cultures of <i>Sorbus aucuparia</i> . <i>Planta</i> , 2004 , 218, 492-64.7	4.7	36
15	Phenological fate of plant-acquired pyrrolizidine alkaloids in the polyphagous arctiid <i>Estigmene acrea</i> . <i>Chemoecology</i> , 2004 , 14, 207	2	14
14	Enzymatic synthesis and purification of aromatic coenzyme A esters. <i>Analytical Biochemistry</i> , 2002 , 302, 305-12	3.1	119
13	O-methyltransferases involved in the biosynthesis of volatile phenolic derivatives in rose petals. <i>Plant Physiology</i> , 2002 , 129, 1899-907	6.6	136
12	Differential production of meta hydroxylated phenylpropanoids in sweet basil peltate glandular trichomes and leaves is controlled by the activities of specific acyltransferases and hydroxylases. <i>Plant Physiology</i> , 2002 , 130, 1536-44	6.6	96
11	Characterization of phenylpropene O-methyltransferases from sweet basil: facile change of substrate specificity and convergent evolution within a plant O-methyltransferase family. <i>Plant Cell</i> , 2002 , 14, 505-19	11.6	194
10	Purification and characterization of benzoate:coenzyme A ligase from <i>Clarkia breweri</i> . <i>Archives of Biochemistry and Biophysics</i> , 2002 , 400, 258-64	4.1	50
9	Metabolic profile of linoleic acid in stored apples: formation of 13(R)-hydroxy-9(Z),11(E)-octadecadienoic acid. <i>Lipids</i> , 1999 , 34, 375-80	1.6	11
8	Biosynthesis of R-(+)-octane-1,3-diol. Crucial role of beta-oxidation in the enantioselective generation of 1,3-diols in stored apples. <i>Lipids</i> , 1999 , 34, 617-25	1.6	5
7	Isolation, identification, and enantioselective synthesis of octane-1,3,7-triol: determination of its absolute configuration. <i>Journal of Natural Products</i> , 1999 , 62, 35-40	4.9	10
6	Novel 1,3-dioxanes from apple juice and cider. <i>Journal of Agricultural and Food Chemistry</i> , 1999 , 47, 5178-83	5.3	2
5	(R)-3-Hydroxy-5(Z)-Octenyl β -D-Glucopyranoside from <i>Malus Sylvestris</i> Fruits. <i>Natural Product Research</i> , 1997 , 10, 119-124		4
4	Absolute Configuration and Conformation of 1,3-Dioxanes from Cider. <i>Journal of Agricultural and Food Chemistry</i> , 1997 , 45, 3178-3182	5.7	10
3	Octane-1,3-diol and its derivatives from pear fruits. <i>European Food Research and Technology</i> , 1997 , 205, 215-217		8
2	Biosynthesis of octane-1,3-diol in apple fruit. <i>Phytochemistry</i> , 1997 , 45, 1153-1155	4	7
1	Absolute configuration of octanol derivatives in apple fruits. <i>Phytochemistry</i> , 1996 , 43, 145-9	4	18