

Till Beuerle

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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	Spice: a never ending story?. <i>Forensic Science International</i> , 2009 , 191, 58-63	2.6	250
87	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
86	O-methyltransferases involved in the biosynthesis of volatile phenolic derivatives in rose petals. <i>Plant Physiology</i> , 2002 , 129, 1899-907	6.6	136
85	Enzymatic synthesis and purification of aromatic coenzyme A esters. <i>Analytical Biochemistry</i> , 2002 , 302, 305-12	3.1	119
84	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
83	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
82	Frequent gain and loss of pyrrolizidine alkaloids in the evolution of Senecio section Jacobaea (Asteraceae). <i>Phytochemistry</i> , 2005 , 66, 1285-95	4	78
81	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
80	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
79	Pyrrolizidine alkaloids in pollen and pollen products. <i>Molecular Nutrition and Food Research</i> , 2010 , 54, 292-300	5.9	61
78	Biosynthesis of the hyperforin skeleton in <i>Hypericum calycinum</i> cell cultures. <i>Phytochemistry</i> , 2005 , 66, 139-45	4	60
77	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
76	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
75	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
74	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
73	Cinnamate:CoA ligase initiates the biosynthesis of a benzoate-derived xanthone phytoalexin in <i>Hypericum calycinum</i> cell cultures. <i>Plant Physiology</i> , 2012 , 160, 1267-80	6.6	48
72	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

71	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
70	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
69	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
68	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
67	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
66	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
65	The first prenylation step in hyperforin biosynthesis. <i>Phytochemistry</i> , 2005 , 66, 51-7	4	37
64	Formation of biphenyl and dibenzofuran phytoalexins in the transition zones of fire blight-infected stems of <i>Malus domestica</i> cv. 'Holsteiner Cox' and <i>Pyrus communis</i> cv. 'Conference'. <i>Phytochemistry</i> , 2012 , 77, 179-85	4	36
63	Biphenyl synthase from yeast-extract-treated cell cultures of <i>Sorbus aucuparia</i> . <i>Planta</i> , 2004 , 218, 492-6	4.7	36
62	Pyrrolizidine alkaloids in herbal teas for infants, pregnant or lactating women. <i>Food Chemistry</i> , 2015 , 187, 491-8	8.5	31
61	A novel 4-hydroxycoumarin biosynthetic pathway. <i>Plant Molecular Biology</i> , 2010 , 72, 17-25	4.6	31
60	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
59	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
58	Hyperforin production in <i>Hypericum perforatum</i> root cultures. <i>Journal of Biotechnology</i> , 2016 , 222, 47-55	5.7	27
57	4-Coumarate:CoA ligase family members from elicitor-treated <i>Sorbus aucuparia</i> cell cultures. <i>Journal of Plant Physiology</i> , 2011 , 168, 944-51	3.6	24
56	Toxic pyrrolizidine alkaloids in herbal medicines commonly used in Ghana. <i>Journal of Ethnopharmacology</i> , 2017 , 202, 154-161	5	22
55	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
54	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

53	Benzaldehyde dehydrogenase from chitosan-treated <i>Sorbus aucuparia</i> cell cultures. <i>Journal of Plant Physiology</i> , 2009 , 166, 1343-9	3.6	21
52	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
51	A single amino acid substitution converts benzophenone synthase into phenylpyrone synthase. <i>Journal of Biological Chemistry</i> , 2009 , 284, 30957-64	5.4	20
50	Detection and quantification of pyrrolizidine alkaloids in antibacterial medical honeys. <i>Planta Medica</i> , 2012 , 78, 1976-82	3.1	19
49	Biosynthesis of the biphenyl phytoalexin aucuparin in <i>Sorbus aucuparia</i> cell cultures treated with <i>Venturia inaequalis</i> . <i>Phytochemistry</i> , 2013 , 96, 101-9	4	18
48	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
47	Absolute configuration of octanol derivatives in apple fruits. <i>Phytochemistry</i> , 1996 , 43, 145-9	4	18
46	Phytoalexin formation in fire blight-infected apple. <i>Trees - Structure and Function</i> , 2013 , 27, 477-484	2.6	17
45	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
44	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
43	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
42	Structural and quantitative analysis of <i>Equisetum</i> alkaloids. <i>Phytochemistry</i> , 2015 , 116, 269-282	4	16
41	Pyrrolizidinalkaloide in Honig und Pollen. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2010 , 5, 393-406	2.3	16
40	In vitro formation of the anthranoid scaffold by cell-free extracts from yeast-extract-treated <i>Cassia bicapsularis</i> cell cultures. <i>Phytochemistry</i> , 2013 , 88, 15-24	4	14
39	O-Methyltransferases involved in biphenyl and dibenzofuran biosynthesis. <i>Plant Journal</i> , 2015 , 83, 263-76.9		14
38	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
37	Phenological fate of plant-acquired pyrrolizidine alkaloids in the polyphagous arctiid <i>Estigmene acrea</i> . <i>Chemoecology</i> , 2004 , 14, 207	2	14
36	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

35	Process Development of Lappula squarrosa 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
34	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
33	Crematoenones - a novel substance class exhibited by ants functions as appeasement signal. <i>Frontiers in Zoology</i> , 2013 , 10, 32	2.8	11
32	Characterization of p-hydroxybenzaldehyde dehydrogenase, the final enzyme of p-hydroxybenzoic acid biosynthesis in hairy roots of <i>Daucus carota</i> . <i>Acta Physiologiae Plantarum</i> , 2011 , 33, 2019-2024	2.6	11
31	Ceroplastes albolineatus, 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
30	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
29	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
28	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
27	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
26	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
25	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
24	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
23	Octane-1,3-diol and its derivatives from pear fruits. <i>European Food Research and Technology</i> , 1997 , 205, 215-217		8
22	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
21	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
20	Biosynthesis of octane-1,3-diol in apple fruit. <i>Phytochemistry</i> , 1997 , 45, 1153-1155	4	7
19	Quantitative and qualitative analysis of pyrrolizidine alkaloids in liqueurs, elixirs and herbal juices. <i>Phytotherapy Research</i> , 2019 , 33, 1041-1047	3.2	6
18	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

17	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
16	Absolute configuration of the creatonotines and callimorphines, two classes of arctiid-specific pyrrolizidine alkaloids. <i>Insect Biochemistry and Molecular Biology</i> , 2007 , 37, 80-9	4.5	6
15	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
14	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
13	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
12	(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
11	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
10	Pyrrolizidine Alkaloids in the Food Chain: Is Horizontal Transfer of Natural Products of Relevance?. <i>Foods</i> , 2021 , 10,	4.9	4
9	Biodegradation and utilization of crop residues contaminated with poisonous pyrrolizidine alkaloids. <i>Journal of Environmental Management</i> , 2021 , 290, 112629	7.9	3
8	Cinnamyl alcohols and methyl esters of fatty acids from <i>Wedelia prostrata</i> callus cultures. <i>Natural Product Research</i> , 2011 , 25, 45-52	2.3	2
7	Novel 1,3-dioxanes from apple juice and cider. <i>Journal of Agricultural and Food Chemistry</i> , 1999 , 47, 5178-83	5.7	2
6	Variation of the Main Alkaloid Content in L. in the Light of Its Ontogeny. <i>Toxins</i> , 2020 , 12,	4.9	1
5	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
4	The Analysis of Pyrrolizidine Alkaloids in Honey 2017 , 237-266		1
3	Absence of pyrrolizidine alkaloids in <i>Cordia gillettii</i> de wild (boraginaceae). <i>Biochemical Systematics and Ecology</i> , 2012 , 41, 1-2	1.4	1
2	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
1	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