Juha Pekka Salminen

List of Publications by Year
in descending order

179	7,361	44069	76900
papers	citations	48 h-index	74 g-index

185	185	185	7745
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insect Herbivores Drive Real-Time Ecological and Evolutionary Change in Plant Populations. Science, 2012, 338, 113-116.	12.6	389
2	Chemical ecology of tannins and other phenolics: we need a change in approach. Functional Ecology, 2011, 25, 325-338.	3.6	385
3	Seasonal Variation in the Content of Hydrolyzable Tannins, Flavonoid Glycosides, and Proanthocyanidins in Oak Leaves. Journal of Chemical Ecology, 2004, 30, 1693-1711.	1.8	200
4	Benefits of Condensed Tannins in Forage Legumes Fed to Ruminants: Importance of Structure, Concentration, and Diet Composition. Crop Science, 2019, 59, 861-885.	1.8	154
5	Characterisation of hydrolysable tannins from leaves of Betula pubescens by high-performance liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 1999, 864, 283-291.	3.7	148
6	Seasonal variation in the content of hydrolysable tannins in leaves of Betula pubescens. Phytochemistry, 2001, 57, 15-22.	2.9	140
7	Ellagitannins have Greater Oxidative Activities than Condensed Tannins and Galloyl Glucoses at High pH: Potential Impact on Caterpillars. Journal of Chemical Ecology, 2006, 32, 2253-2267.	1.8	133
8	Poplar MYB115 and MYB134 Transcription Factors Regulate Proanthocyanidin Synthesis and Structure. Plant Physiology, 2017, 174, 154-171.	4.8	122
9	Preclinical Evaluation of Rapeseed, Raspberry, and Pine Bark Phenolics for Health Related Effects. Journal of Agricultural and Food Chemistry, 2005, 53, 5922-5931.	5.2	120
10	Gallic acid and hydrolysable tannins are formed in birch leaves from an intermediate compound of the shikimate pathway. Biochemical Systematics and Ecology, 2003, 31, 3-16.	1.3	116
11	Phylogenetic ecology of leaf surface traits in the milkweeds (Asclepias spp.): chemistry, ecophysiology, and insect behavior. New Phytologist, 2009, 183, 848-867.	7.3	116
12	Rapid Qualitative and Quantitative Analyses of Proanthocyanidin Oligomers and Polymers by UPLC-MS/MS. Journal of Agricultural and Food Chemistry, 2014, 62, 3390-3399.	5.2	113
13	Heritability, covariation and natural selection on 24 traits of common evening primrose (Oenothera biennis) from a field experiment. Journal of Evolutionary Biology, 2009, 22, 1295-1307.	1.7	108
14	PHYLOGENETIC TRENDS IN PHENOLIC METABOLISM OF MILKWEEDS (ASCLEPIAS): EVIDENCE FOR ESCALATION. Evolution; International Journal of Organic Evolution, 2009, 63, 663-673.	2.3	107
15	Changes in Leaf Trichomes and Epicuticular Flavonoids during Leaf Development in Three Birch Taxa. Annals of Botany, 2004, 94, 233-242.	2.9	101
16	Antioxidant Activity of Isolated Ellagitannins from Red Raspberries and Cloudberries. Journal of Agricultural and Food Chemistry, 2012, 60, 1167-1174.	5.2	96
17	Specialization pays off: contrasting effects of two types of tannins on oak specialist and generalist moth species. Oikos, 2008, 117, 1560-1568.	2.7	95
18	Analysis of Hydrolyzable Tannins and Other Phenolic Compounds in Emblic Leafflower (Phyllanthus emblica L.) Fruits by High Performance Liquid Chromatographyâ€“Electrospray Ionization Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2012, 60, 8672-8683.	5.2	90

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19	Comparative Analysis of Leaf Trichome Structure and Composition of Epicuticular Flavonoids in Finnish Birch Species. Annals of Botany, 2003, 91, 643-655.	2.9	89
20	Ecologically neglected tannins and their biologically relevant activity: chemical structures of plant ellagitannins reveal their in vitro oxidative activity at high pH. Chemoecology, 2008, 18, 73-83.	1.1	88
21	Glyphosate decreases mycorrhizal colonization and affects plant-soil feedback. Science of the Total Environment, 2018, 642, 285-291.	8.0	87
22	Rapid Fingerprint Analysis of Plant Extracts for Ellagitannins, Gallic Acid, and Quinic Acid Derivatives and Quercetin-, Kaempferol- and Myricetin-Based Flavonol Glycosides by UPLC-QqQ-MS/MS. Journal of Agricultural and Food Chemistry, 2015, 63, 4068-4079.	5.2	86
23	Metal pollution indirectly increases oxidative stress in great tit (Parus major) nestlings. Environmental Research, 2011, 111, 362-370.	7.5	81
24	Community structure of insect herbivores is driven by conservatism, escalation and divergence of defensive traits in Ficus. Ecology Letters, 2018, 21, 83-92.	6.4	80
25	Characterization of bioactive plant ellagitannins by chromatographic, spectroscopic and mass spectrometric methods. Chemoecology, 2013, 23, 165-179.	1.1	78
26	Chemical Structures of Plant Hydrolyzable Tannins Reveal Their in Vitro Activity against Egg Hatching and Motility of Haemonchus contortus Nematodes. Journal of Agricultural and Food Chemistry, 2016, 64, 840-851.	5.2	77
27	Hydrolyzable tannins as â€œquantitative defensesâ€: Limited impact against Lymantria dispar caterpillars on hybrid poplar. Journal of Insect Physiology, 2009, 55, 297-304.	2.0	71
28	Binding of an Oligomeric Ellagitannin Series to Bovine Serum Albumin (BSA): Analysis by Isothermal Titration Calorimetry (ITC). Journal of Agricultural and Food Chemistry, 2015, 63, 10647-10654.	5.2	68
29	The effects of diet quality and quantity on plumage colour and growth of great tit Parus major nestlings: a food manipulation experiment along a pollution gradient. Journal of Avian Biology, 2009, 40, 491-499.	1.2	66
30	Carotenoid Composition of Invertebrates Consumed by Two Insectivorous Bird Species. Journal of Chemical Ecology, 2010, 36, 608-613.	1.8	66
31	Large Variability of Proanthocyanidin Content and Composition in Sainfoin (Onobrychis) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	5.2	64
32	Characterisation of proanthocyanidin aglycones and glycosides from rose hips by high-performance liquid chromatographyâ€“mass spectrometry, and their rapid quantification together with Vitamin C. Journal of Chromatography A, 2005, 1077, 170-180.	3.7	62
33	Tannin Composition Affects the Oxidative Activities of Tree Leaves. Journal of Chemical Ecology, 2006, 32, 2235-2251.	1.8	62
34	Chemical Ecology of Tannins: Recent Developments in Tannin Chemistry Reveal New Structures and Structureâ€“Activity Patterns. Chemistry - A European Journal, 2011, 17, 2806-2816.	3.3	62
35	Leaf herbivory increases plant fitness via induced resistance to seed predators. Ecology, 2013, 94, 966-975.	3.2	62
36	Forest diversity effects on insect herbivores: do leaf traits matter?. New Phytologist, 2019, 221, 2250-2260.	7.3	62

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37	Macroevolution of plant defenses against herbivores in the evening primroses. New Phytologist, 2014, 203, 267-279.	7.3	61
38	Seeing the trees for the leaves - oaks as mosaics for a host-specific moth. Oikos, 2006, 113, 106-120.	2.7	60
39	Leaf surface traits: overlooked determinants of birch resistance to herbivores and foliar micro-fungi?. Trees - Structure and Function, 2005, 19, 191-197.	1.9	59
40	Herbivory enhances positive effects of plant genotypic diversity. Ecology Letters, 2010, 13, 553-563.	6.4	57
41	Feeding on poplar leaves by caterpillars potentiates foliar peroxidase action in their guts and increases plant resistance. Oecologia, 2010, 164, 993-1004.	2.0	56
42	Can genetically based clines in plant defence explain greaterÂherbivory at higher latitudes?. Ecology Letters, 2015, 18, 1376-1386.	6.4	56
43	Resource selection by female moths in a heterogeneous environment: what is a poor girl to do?. Journal of Animal Ecology, 2007, 76, 854-865.	2.8	55
44	Tree resistance to LymantriaÂdispar caterpillars: importance and limitations of foliar tannin composition. Oecologia, 2009, 159, 777-788.	2.0	55
45	Polyphenols in Strawberry (Fragaria Ã— ananassa) Leaves Induced by Plant Activators. Journal of Agricultural and Food Chemistry, 2014, 62, 4592-4600.	5.2	55
46	Effects of hydrolysable tannins on a herbivorous insect: fate of individual tannins in insect digestive tract. Chemoecology, 2002, 12, 203-211.	1.1	54
47	Immunological Memory of Mountain Birches: Effects of Phenolics on Performance of the Autumnal Moth Depend on Herbivory History of Trees. Journal of Chemical Ecology, 2007, 33, 1160-1176.	1.8	52
48	Size and Molecular Flexibility Affect the Binding of Ellagitannins to Bovine Serum Albumin. Journal of Agricultural and Food Chemistry, 2014, 62, 9186-9194.	5.2	51
49	Distribution and content of ellagitannins in Finnish plant species. Phytochemistry, 2015, 116, 188-197.	2.9	51
50	Precipitation of proteins by tannins: effects of concentration, protein/tannin ratio and pH. International Journal of Food Science and Technology, 2012, 47, 875-878.	2.7	50
51	Defensive strategies in Geranium sylvaticum. Part 1: Organ-specific distribution of water-soluble tannins, flavonoids and phenolic acids. Phytochemistry, 2013, 95, 394-407.	2.9	48
52	Environmental Pollution Affects the Plumage Color of Great Tit Nestlings through Carotenoid Availability. EcoHealth, 2008, 5, 328-337.	2.0	47
53	Isolation, characterisation and quantification of the main oligomeric macrocyclic ellagitannins in Epilobium angustifolium by ultra-high performance chromatography with diode array detection and electrospray tandem mass spectrometry. Journal of Chromatography A, 2015, 1419, 26-36.	3.7	47
54	Oxidative status in nestlings of three small passerine species exposed to metal pollution. Science of the Total Environment, 2013, 454-455, 466-473.	8.0	46

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55	Biological activity of ellagitannins: Effects as anti-oxidants, pro-oxidants and metal chelators. Phytochemistry, 2016, 125, 65-72.	2.9	46
56	Oxidation of Ingested Phenolics in the Tree-Feeding Caterpillar Orgyia leucostigma Depends on Foliar Chemical Composition. Journal of Chemical Ecology, 2008, 34, 748-756.	1.8	45
57	Two-Dimensional Tannin Fingerprints by Liquid Chromatography Tandem Mass Spectrometry Offer a New Dimension to Plant Tannin Analyses and Help To Visualize the Tannin Diversity in Plants. Journal of Agricultural and Food Chemistry, 2018, 66, 9162-9171.	5.2	43
58	Characterization of the Polyphenolic Composition of Purple Loosestrife (Lythrum salicaria). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2001, 56, 13-20.	1.4	42
59	Effects of sample drying and storage, and choice of extraction solvent and analysis method on the yield of birch leaf hydrolyzable tannins. Journal of Chemical Ecology, 2003, 29, 1289-1305.	1.8	42
60	The in vitro anthelmintic properties of browse plant species against Haemonchus contortus is determined by the polyphenol content and composition. Veterinary Parasitology, 2017, 237, 110-116.	1.8	42
61	Associations of plant fitness, leaf chemistry, and damage suggest selection mosaic in plantâ€“herbivore interactions. Ecology, 2010, 91, 2650-2659.	3.2	41
62	Metabolic Modifications of Birch Leaf Phenolics by an Herbivorous Insect: Detoxification of Flavonoid Aglycones via Glycosylation. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 437-444.	1.4	39
63	Drought Effects on Proanthocyanidins in Sainfoin (Onobrychis viciifolia Scop.) Are Dependent on the Plantâ€™s Ontogenetic Stage. Journal of Agricultural and Food Chemistry, 2016, 64, 9307-9316.	5.2	39
64	Defensive Effect of Surface Flavonoid Aglycones of Betula pubescens Leaves Against First Instar Epirrita autumnata Larvae. Journal of Chemical Ecology, 2004, 30, 2257-2268.	1.8	38
65	First evidence of hexameric and heptameric ellagitannins in plants detected by liquid chromatography/electrospray ionisation mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 3151-3156.	1.5	38
66	Functional compartmentalisation of nutrients and phenolics in the tissues of galls induced by Leptocybe invasa (Hymenoptera: Eulophidae) on <scp>Eucalyptus camaldulensis</scp> (Myrtaceae). Austral Entomology, 2018, 57, 238-246.	1.4	38
67	Bitter problems in ecological feeding experiments: Commercial tannin preparations and common methods for tannin quantifications. Biochemical Systematics and Ecology, 2007, 35, 257-262.	1.3	37
68	Variability in the production of tannins and other polyphenols in cell cultures of 12 Nordic plant species. Planta, 2017, 246, 227-241.	3.2	36
69	New approaches to tannin analysis of leaves can be used to explain in vitro biological activities associated with herbivore defence. New Phytologist, 2020, 225, 488-498.	7.3	36
70	Responses of plant phenology, growth, defense, and reproduction to interactive effects of warming and insect herbivory. Ecology, 2017, 98, 1817-1828.	3.2	34
71	Defining phytochemical phenotypes: size and shape analysis of phenolic compounds in oaks (Fagaceae,) Tj ETQq1 1 0.784314 rgBT /O	1.1	33
72	Chemical-Sensory Characteristics and Consumer Responses of Blackcurrant Juices Produced by Different Industrial Processes. Food and Bioprocess Technology, 2014, 7, 2877-2888.	4.7	33

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73	Rapid Herbivore-Induced Changes in Mountain Birch Phenolics and Nutritive Compounds and Their Effects on Performance of the Major Defoliator, Epirrita autumnata. Journal of Chemical Ecology, 2004, 30, 303-321.	1.8	32
74	No simple sum: seasonal variation in tannin phenotypes and leaf-miners in hybrid oaks. Chemoecology, 2008, 18, 39-51.	1.1	32
75	Characterization of phenolic compounds from inner bark of Betula pendula. Holzforschung, 2012, 66, 171-181.	1.9	32
76	A highly resolved food web for insect seed predators in a speciesâ€rich tropical forest. Ecology Letters, 2019, 22, 1638-1649.	6.4	32
77	Distribution Of Hydrolysable Tannins In The Foliage Of Finnish Birch Species. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2002, 57, 248-256.	1.4	31
78	Aminomethylation of spruce tannins and their application as coagulants for water clarification. Separation and Purification Technology, 2020, 242, 116765.	7.9	31
79	The Effect of Growth Medium Strength on Minimum Inhibitory Concentrations of Tannins and Tannin Extracts against E. coli. Molecules, 2020, 25, 2947.	3.8	30
80	A tree in the eyes of a moth â€“ temporal variation in oak leaf quality and leafâ€miner performance. Oikos, 2007, 116, 592-600.	2.7	29
81	Inter-population and inter-organ distribution of the main polyphenolic compounds of Epilobium angustifolium. Phytochemistry, 2017, 134, 54-63.	2.9	29
82	Geographical Variation in Egg Mass and Egg Content in a Passerine Bird. PLoS ONE, 2011, 6, e25360.	2.5	29
83	A study of the structure-activity relationship of oligomeric ellagitannins on ruminal fermentation in vitro. Journal of Dairy Science, 2016, 99, 8041-8052.	3.4	28
84	Hydrolysable tannin-based diet rich in gallotannins has a minimal impact on pig performance but significantly reduces salivary and bulbourethral gland size. Animal, 2017, 11, 1617-1625.	3.3	28
85	New, Sesquiterpenoid-Type Bicyclic Compounds from the Buds ofBetulapubescensâ€™ Ring-Contracted Products ofÎ²-Caryophyllene?. European Journal of Organic Chemistry, 2004, 2004, 2627-2635.	2.4	27
86	In Vitro Study on the Antioxidant Activity of a Polyphenol-Rich Extract from Pinus brutia Bark and Its Fractions. Journal of Medicinal Food, 2013, 16, 984-991.	1.5	27
87	Structural Features of Hydrolyzable Tannins Determine Their Ability to Form Insoluble Complexes with Bovine Serum Albumin. Journal of Agricultural and Food Chemistry, 2019, 67, 6798-6808.	5.2	27
88	Variably hungry caterpillars: predictive models and foliar chemistry suggest how to eat a rainforest. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171803.	2.6	25
89	Liquid chromatographyâ€“tandem mass spectrometry reveals detailed chromatographic fingerprints of anthocyanins and anthocyanin adducts in red wine. Food Chemistry, 2019, 294, 138-151.	8.2	25
90	Fluctuating asymmetry in great tit nestlings in relation to diet quality, calcium availability and pollution exposure. Science of the Total Environment, 2010, 408, 3303-3309.	8.0	24

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91	Proanthocyanidins and Their Contribution to Sensory Attributes of Black Currant Juices. Journal of Agricultural and Food Chemistry, 2015, 63, 5373-5380.	5.2	24
92	Effects of experimental calcium availability and anthropogenic metal pollution on eggshell characteristics and yolk carotenoid and vitamin levels in two passerine birds. Chemosphere, 2016, 151, 189-201.	8.2	24
93	Experimental manipulation of dietary arsenic levels in great tit nestlings: Accumulation pattern and effects on growth, survival and plasma biochemistry. Environmental Pollution, 2018, 233, 764-773.	7.5	24
94	Rapid induced resistance of silver birch affects both innate immunity and performance of gypsy moths: the role of plant chemical defenses. Arthropod-Plant Interactions, 2012, 6, 507-518.	1.1	23
95	The Effects of Defoliation-Induced Delayed Changes in Silver Birch Foliar Chemistry on Gypsy Moth Fitness, Immune Response, and Resistance to Baculovirus Infection. Journal of Chemical Ecology, 2012, 38, 295-305.	1.8	23
96	Transcriptome and defence response in <scp>Eucalyptus camaldulensis</scp> leaves to feeding by Glycaspis brimblecombei Moore (Hemiptera: Aphalaridae): a stealthy psyllid does not go unnoticed. Austral Entomology, 2018, 57, 247-254.	1.4	23
97	Poplar MYB117 promotes anthocyanin synthesis and enhances flavonoid B-ring hydroxylation by up-regulating the flavonoid 3â€²,5â€²-hydroxylase gene. Journal of Experimental Botany, 2021, 72, 3864-3880.	4.8	23
98	HPLC analysis of leaf surface flavonoids for the preliminary classification of birch species. Phytochemical Analysis, 2006, 17, 197-203.	2.4	22
99	Carotenoids in a food chain along a pollution gradient. Science of the Total Environment, 2008, 406, 247-255.	8.0	22
100	Evolutionary Potential of Root Chemical Defense: Genetic Correlations with Shoot Chemistry and Plant Growth. Journal of Chemical Ecology, 2012, 38, 992-995.	1.8	22
101	The Oxidative Activity of Ellagitannins Dictates Their Tendency To Form Highly Stabilized Complexes with Bovine Serum Albumin at Increased pH. Journal of Agricultural and Food Chemistry, 2016, 64, 8994-9003.	5.2	22
102	Genus-wide variation in foliar polyphenolics in eucalypts. Phytochemistry, 2017, 144, 197-207.	2.9	22
103	Seed polyphenols in a diverse tropical plant community. Journal of Ecology, 2018, 106, 87-100.	4.0	22
104	Rapid estimation of the oxidative activities of individual phenolics in crude plant extracts. Phytochemistry, 2014, 103, 76-84.	2.9	21
105	Ellagitannins Inhibit the Exsheathment of Haemonchus contortus and Trichostrongylus colubriformis Larvae: The Efficiency Increases Together with the Molecular Size. Journal of Agricultural and Food Chemistry, 2020, 68, 4176-4186.	5.2	21
106	Variability in Foliar Ellagitannins of HippophaÃ« rhamnoides L. and Identification of a New Ellagitannin, Hippophaenin C. Journal of Agricultural and Food Chemistry, 2018, 66, 613-620.	5.2	20
107	Isolation of chemically well-defined semipreparative liquid chromatography fractions from complex mixtures of proanthocyanidin oligomers and polymers. Journal of Chromatography A, 2018, 1576, 67-79.	3.7	20
108	Ellagitannins with Glucopyranose Cores Have Higher Affinities to Proteins than Acyclic Ellagitannins by Isothermal Titration Calorimetry. Journal of Agricultural and Food Chemistry, 2019, 67, 12730-12740.	5.2	20

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109	Phenolic Compounds of the Inner Bark of Betula pendula: Seasonal and Genetic Variation and Induction by Wounding. Journal of Chemical Ecology, 2012, 38, 1410-1418.	1.8	19
110	Effects of dietary lead exposure on vitamin levels in great tit nestlings â€“ An experimental manipulation. Environmental Pollution, 2016, 213, 688-697.	7.5	19
111	Hydrolyzable Tannins, Flavonol Glycosides, and Phenolic Acids Show Seasonal and Ontogenic Variation in Geranium sylvaticum. Journal of Agricultural and Food Chemistry, 2017, 65, 6387-6403.	5.2	19
112	Breeding success and lutein availability in great tit (Parus major). Acta Oecologica, 2009, 35, 805-810.	1.1	18
113	Physiological benefits of feeding in the spring by Lymantria dispar caterpillars on red oak and sugar maple leaves: nutrition versus oxidative stress. Chemoecology, 2013, 23, 59-70.	1.1	18
114	Simultaneous inbreeding modifies inbreeding depression in a plantâ€“herbivore interaction. Ecology Letters, 2014, 17, 229-238.	6.4	18
115	Plant Chemistry and Local Adaptation of a Specialized Folivore. PLoS ONE, 2012, 7, e38225.	2.5	17
116	Condensed Tannins in White Clover (Trifolium repens) Foliar Tissues Expressing the Transcription Factor TaMYB14-1 Bind to Forage Protein and Reduce Ammonia and Methane Emissions in vitro. Frontiers in Plant Science, 2021, 12, 777354.	3.6	17
117	A tree in the jaws of a moth â€“ temporal variation in oak leaf quality and leafâ€chewer performance. Oikos, 2009, 118, 1212-1218.	2.7	16
118	Oxidatively Active Plant Phenolics Detected by UHPLC-DAD-MS after Enzymatic and Alkaline Oxidation. Journal of Chemical Ecology, 2018, 44, 483-496.	1.8	16
119	Ellagitannins from the Onagraceae Decrease the Performance of Generalist and Specialist Herbivores. Journal of Chemical Ecology, 2019, 45, 86-94.	1.8	16
120	Geographical trends in the yolk carotenoid composition of the pied flycatcher (Ficedula hypoleuca). Oecologia, 2011, 165, 277-287.	2.0	15
121	Plasma carotenoid levels are not directly related to heavy metal exposure or reproductive success in three insectivorous passerines. Environmental Toxicology and Chemistry, 2012, 31, 1363-1369.	4.3	15
122	Sylvatiins, acetylglucosylated hydrolysable tannins from the petals of Geranium sylvaticum show co-pigment effect. Phytochemistry, 2015, 115, 239-251.	2.9	15
123	Testing for latitudinal gradients in defense at the macroevolutionary scale. Evolution; International Journal of Organic Evolution, 2018, 72, 2129-2143.	2.3	15
124	Structure-function analysis of purified proanthocyanidins reveals a role for polymer size in suppressing inflammatory responses. Communications Biology, 2021, 4, 896.	4.4	15
125	Simple solution for a complex problem: Proanthocyanidins, galloyl glucoses and ellagitannins fit on a single calibration curve in high performance-gel permeation chromatography. Journal of Chromatography A, 2011, 1218, 7804-7812.	3.7	14
126	Insect community structure covaries with host plant chemistry but is not affected by prior herbivory. Ecology, 2019, 100, e02739.	3.2	14

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127	Evolution of defences in large tropical plant genera: perspectives for exploring insect diversity in a tri-trophic context. Current Opinion in Insect Science, 2019, 32, 91-97.	4.4	14
128	Changes in the Proanthocyanidin Composition and Related Gene Expression in Bilberry (Vaccinium) Tj ETQq0 0 0 rgBT /Overlock 10 T	5.2	14
129	Use of agro-industrial by-products containing tannins for the integrated control of gastrointestinal nematodes in ruminants. Parasite, 2022, 29, 10.	2.0	14
130	Effects of eucalypt nutritional quality on the <scp>B</scp>og gumâ€<scp>V</scp>ictorian metapopulation of <scp>C</scp>tenarytaina bipartita and implications for host and range expansion. Ecological Entomology, 2016, 41, 211-225.	2.2	13
131	Phytochemical analysis of salal berry (Gaultheria shallon Pursh.), a traditionally-consumed fruit from western North America with exceptionally high proanthocyanidin content. Phytochemistry, 2018, 147, 203-210.	2.9	13
132	Glyphosate-based herbicide has soil-mediated effects on potato glycoalkaloids and oxidative status of a potato pest. Chemosphere, 2020, 258, 127254.	8.2	13
133	Relevance of the Concentrations and Sizes of Oligomeric Red Wine Pigments to the Color Intensity of Commercial Red Wines. Journal of Agricultural and Food Chemistry, 2020, 68, 3576-3584.	5.2	13
134	Characterization of Natural and Alkaline-Oxidized Proanthocyanidins in Plant Extracts by Ultrahigh-Resolution UHPLC-MS/MS. Molecules, 2021, 26, 1873.	3.8	13
135	Biochemical transformation of birch leaf phenolics in larvae of six species of sawflies. Chemoecology, 2005, 15, 153-159.	1.1	12
136	Vitamin profiles in two free-living passerine birds under a metal pollution gradient â€“ A calcium supplementation experiment. Ecotoxicology and Environmental Safety, 2017, 138, 242-252.	6.0	12
137	Branch-Localized Induction Promotes Efficacy of Volatile Defences and Herbivore Predation in Trees. Journal of Chemical Ecology, 2021, 47, 99-111.	1.8	12
138	Phenolic Compounds and Their Fates In Tropical Lepidopteran Larvae: Modifications In Alkaline Conditions. Journal of Chemical Ecology, 2015, 41, 822-836.	1.8	11
139	Impacts of simulated drought stress and artificial damage on concentrations of flavonoids in Jatropha curcas (L.), a biofuel shrub. Journal of Plant Research, 2016, 129, 1141-1150.	2.4	11
140	Turnover rates of roots vary considerably across temperate forage species. Soil Biology and Biochemistry, 2019, 139, 107614.	8.8	11
141	Distribution of enzymatic and alkaline oxidative activities of phenolic compounds in plants. Phytochemistry, 2020, 179, 112501.	2.9	11
142	Compound Specific Trends of Chemical Defences in Ficus Along an Elevational Gradient Reflect a Complex Selective Landscape. Journal of Chemical Ecology, 2020, 46, 442-454.	1.8	11
143	Distribution of Protein Precipitation Capacity within Variable Proanthocyanidin Fingerprints. Molecules, 2020, 25, 5002.	3.8	10
144	New Types of Flavonol Oligoglycosides Accumulate in the Hemolymph of Birch-Feeding Sawfly Larvae. Journal of Chemical Ecology, 2010, 36, 864-872.	1.8	9

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145	Modification of Natural Proanthocyanidin Oligomers and Polymers Via Chemical Oxidation under Alkaline Conditions. ACS Omega, 2021, 6, 4726-4739.	3.5	9
146	Natural Antimicrobials from Cloudberry (Rubus chamaemorus) Seeds by Sanding and Hydrothermal Extraction. ACS Food Science & Technology, 2021, 1, 917-927.	2.7	9
147	Genetic and Environmental Factors Behind Foliar Chemistry of the Mature Mountain Birch. Journal of Chemical Ecology, 2012, 38, 902-913.	1.8	8
148	Effects of three yearsâ€™ increase in density of the geometrid Epirrita autumnata on the change in metabolome of mountain birch trees (Betula pubescens ssp. czerepanovii). Chemoecology, 2014, 24, 201-214.	1.1	8
149	Rapid profiling of phenolic compounds of green and fermented Bergenia crassifolia L. leaves by UPLC-DAD-QqQ-MS and HPLC-DAD-ESI-QTOF-MS. Natural Product Research, 2014, 28, 1530-1533.	1.8	8
150	In vitro fermentation of browse species using goat rumen fluid in relation to browse polyphenol content and composition. Animal Feed Science and Technology, 2017, 231, 1-11.	2.2	8
151	Changes in oak (Quercus robur) photosynthesis after winter moth (Operophtera brumata) herbivory are not explained by changes in chemical or structural leaf traits. PLoS ONE, 2020, 15, e0228157.	2.5	8
152	A tree in the eyes of a moth ? temporal variation in oak leaf quality and leaf-miner performance. Oikos, 2007, 116, 592-600.	2.7	7
153	Hybridization Affects Seasonal Variation of Phytochemical Phenotypes in an Oak Hybrid Complex (Quercus gambelii Ã— Quercus grisea). International Journal of Plant Sciences, 2008, 169, 567-578.	1.3	7
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