

Irene Mueller-harvey

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

66

papers

3,657

citations

33

h-index

60

g-index

67

ext. papers

4,072

ext. citations

4.3

avg, IF

5.57

L-index

#	Paper	IF	Citations
66	Challenges in Analyzing Bioactive Proanthocyanidins 2021 , 131-175		
65	Assessment of the anti-pathogenic effects of condensed tannin extracts using scanning electron microscopy. <i>Archives of Microbiology</i> , 2021 , 203, 1555-1563	3	2
64	Composition and Protein Precipitation Capacity of Condensed Tannins in Purple Prairie Clover (.). <i>Frontiers in Plant Science</i> , 2021 , 12, 715282	6.2	
63	Feeding of carob (<i>Ceratonia siliqua</i>) to sheep infected with gastrointestinal nematodes reduces faecal egg counts and worm fecundity. <i>Veterinary Parasitology</i> , 2020 , 284, 109200	2.8	5
62	Ellagitannins with Glucopyranose Cores Have Higher Affinities to Proteins than Acyclic Ellagitannins by Isothermal Titration Calorimetry. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 12730-12740	5.7	12
61	Benefits of Condensed Tannins in Forage Legumes Fed to Ruminants: Importance of Structure, Concentration, and Diet Composition. <i>Crop Science</i> , 2019 , 59, 861-885	2.4	93
60	Cocoa procyanidins modulate transcriptional pathways linked to inflammation and metabolism in human dendritic cells. <i>Food and Function</i> , 2018 , 9, 2883-2890	6.1	16
59	Carbon-13 Cross-Polarization Magic-Angle Spinning Nuclear Magnetic Resonance for Measuring Proanthocyanidin Content and Procyanidin to Prodelphinidin Ratio in Sainfoin (<i>Onobrychis viciifolia</i>) Tissues. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 4073-4081	5.7	8
58	Condensed Tannin Changes along the Digestive Tract in Lambs Fed with Sainfoin Pellets or Hazelnut Skins. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 2136-2142	5.7	16
57	Characterization of Condensed Tannins from Purple Prairie Clover (<i>Dalea purpurea</i> Vent.) Conserved as either Freeze-Dried Forage, Sun-Cured Hay or Silage. <i>Molecules</i> , 2018 , 23,	4.8	14
56	Condensed Tannins in the Gastrointestinal Tract of Cattle after Sainfoin (<i>Onobrychis viciifolia</i>) Intake and Their Possible Relationship with Anthelmintic Effects. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 1420-1427	5.7	21
55	Facile Purification of Milligram to Gram Quantities of Condensed Tannins According to Mean Degree of Polymerization and Flavan-3-ol Subunit Composition. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 8072-8082	5.7	25
54	Co-operative suppression of inflammatory responses in human dendritic cells by plant proanthocyanidins and products from the parasitic nematode <i>Trichuris suis</i> . <i>Immunology</i> , 2017 , 150, 312-328	7.8	19
53	Identification of Structural Features of Condensed Tannins That Affect Protein Aggregation. <i>PLoS ONE</i> , 2017 , 12, e0170768	3.7	41
52	Structure-Activity Relationship of Condensed Tannins and Synergism with trans-Cinnamaldehyde against <i>Caenorhabditis elegans</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 8795-8805	5.7	15
51	Condensed tannins in extracts from European medicinal plants and herbal products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 121, 225-231	3.5	26
50	<i>Senna alata</i> leaves are a good source of propelargonidins. <i>Natural Product Research</i> , 2016 , 30, 1548-51	2.3	4

49	Proanthocyanidins inhibit <i>Ascaris suum</i> glutathione-S-transferase activity and increase susceptibility of larvae to levamisole in vitro. <i>Parasitology International</i> , 2016 , 65, 336-9	2.1	7
48	Impact of chemical structure of flavanol monomers and condensed tannins on in vitro anthelmintic activity against bovine nematodes. <i>Parasitology</i> , 2016 , 143, 444-54	2.7	29
47	Polymerization-dependent activation of porcine $\alpha\alpha$ -cells by proanthocyanidins. <i>Research in Veterinary Science</i> , 2016 , 105, 209-15	2.5	9
46	Synergistic inhibition of <i>Haemonchus contortus</i> exsheathment by flavonoid monomers and condensed tannins. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2015 , 5, 127-34	4	86
45	Anthelmintic Activities against <i>Haemonchus contortus</i> or <i>Trichostrongylus colubriformis</i> from Small Ruminants Are Influenced by Structural Features of Condensed Tannins. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 6346-54	5.7	58
44	Sodium Hydroxide Enhances Extractability and Analysis of Proanthocyanidins in Ensiled Sainfoin (<i>Onobrychis viciifolia</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 9471-9	5.7	10
43	Binding of an Oligomeric Ellagitannin Series to Bovine Serum Albumin (BSA): Analysis by Isothermal Titration Calorimetry (ITC). <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 10647-54	5.7	51
42	Large Variability of Proanthocyanidin Content and Composition in Sainfoin (<i>Onobrychis viciifolia</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 10234-42	5.7	50
41	Efficacy of condensed tannins against larval <i>Hymenolepis diminuta</i> (Cestoda) in vitro and in the intermediate host <i>Tenebrio molitor</i> (Coleoptera) in vivo. <i>Veterinary Parasitology</i> , 2015 , 207, 49-55	2.8	14
40	Anthelmintic activity of trans-cinnamaldehyde and A- and B-type proanthocyanidins derived from cinnamon (<i>Cinnamomum verum</i>). <i>Scientific Reports</i> , 2015 , 5, 14791	4.9	43
39	The effects of tannins-containing ground pine bark diet upon nutrient digestion, nitrogen balance, and mineral retention in meat goats. <i>Journal of Animal Science and Biotechnology</i> , 2015 , 6, 25	6	21
38	Protein Precipitation Behavior of Condensed Tannins from <i>Lotus pedunculatus</i> and <i>Trifolium repens</i> with Different Mean Degrees of Polymerization. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 1160-1168	5.7	36
37	^1H - ^{13}C HSQC NMR spectroscopy for estimating procyanidin/prodelphinidin and cis/trans-flavan-3-ol ratios of condensed tannin samples: correlation with thiolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 1967-73	5.7	27
36	Rapid qualitative and quantitative analyses of proanthocyanidin oligomers and polymers by UPLC-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 3390-9	5.7	82
35	Size and molecular flexibility affect the binding of ellagitannins to bovine serum albumin. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 9186-94	5.7	39
34	Direct anthelmintic effects of condensed tannins from diverse plant sources against <i>Ascaris suum</i> . <i>PLoS ONE</i> , 2014 , 9, e97053	3.7	82
33	Assessment of the anthelmintic activity of medicinal plant extracts and purified condensed tannins against free-living and parasitic stages of <i>Oesophagostomum dentatum</i> . <i>Parasites and Vectors</i> , 2014 , 7, 518	4	44
32	Breeding for HealthyHay—Can We Optimise Plant Polyphenols in Legumes for Ruminant Nutrition, Animal Health and Environmental Sustainability? 2014 , 299-311		0

31	Relationship between condensed tannin structures and their ability to precipitate feed proteins in the rumen. <i>Journal of the Science of Food and Agriculture</i> , 2014 , 94, 963-8	4.3	36
30	Exploring variation in proanthocyanidin composition and content of sainfoin (<i>Onobrychis viciifolia</i>). <i>Journal of the Science of Food and Agriculture</i> , 2013 , 93, 2102-9	4.3	23
29	Acetone enhances the direct analysis of procyanidin- and prodelphinidin-based condensed tannins in lotus species by the butanol-HCl-iron assay. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 2669-78	5.7	97
28	Dietary quebracho tannins are not absorbed, but increase the antioxidant capacity of liver and plasma in sheep. <i>British Journal of Nutrition</i> , 2013 , 110, 632-9	3.6	61
27	Proanthocyanidin diversity in the EU 'HealthyHay' sainfoin (<i>Onobrychis viciifolia</i>) germplasm collection. <i>Phytochemistry</i> , 2012 , 77, 197-208	4	38
26	Two-photon excitation with pico-second fluorescence lifetime imaging to detect nuclear association of flavanols. <i>Analytica Chimica Acta</i> , 2012 , 719, 68-75	6.6	11
25	Synergistic effects of mixing cocksfoot and sainfoin on in vitro rumen fermentation. Role of condensed tannins. <i>Animal Feed Science and Technology</i> , 2012 , 178, 48-56	3	19
24	The effect of copper(II), iron(II) sulphate, and vitamin C combinations on the weak antimicrobial activity of (+)-catechin against <i>Staphylococcus aureus</i> and other microbes. <i>Metallomics</i> , 2012 , 4, 1280-6	4.5	9
23	Sainfoin (<i>Onobrychis viciifolia</i>): a beneficial forage legume. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2011 , 9, 70-85	1	59
22	In situ analysis and structural elucidation of sainfoin (<i>Onobrychis viciifolia</i>) tannins for high-throughput germplasm screening. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 495-503	5.7	83
21	Binding of pentagalloyl glucose to two globular proteins occurs via multiple surface sites. <i>Biomacromolecules</i> , 2011 , 12, 710-5	6.9	52
20	Evaluating effects of tannins on extent and rate of in vitro gas and CH ₄ production using an automated pressure evaluation system (APES). <i>Animal Feed Science and Technology</i> , 2011 , 166-167, 377-390	3	62
19	Condensed tannins act against cattle nematodes. <i>Veterinary Parasitology</i> , 2011 , 182, 213-20	2.8	48
18	Simple solution for a complex problem: proanthocyanidins, galloyl glucoses and ellagitannins fit on a single calibration curve in high performance-gel permeation chromatography. <i>Journal of Chromatography A</i> , 2011 , 1218, 7804-12	4.5	13
17	Deciphering the complexity of sainfoin (<i>Onobrychis viciifolia</i>) proanthocyanidins by MALDI-TOF mass spectrometry with a judicious choice of isotope patterns and matrixes. <i>Analytical Chemistry</i> , 2011 , 83, 4147-53	7.8	27
16	Effects of condensed tannins in fresh sainfoin (<i>Onobrychis viciifolia</i>) on in vivo and in situ digestion in sheep. <i>Animal Feed Science and Technology</i> , 2010 , 160, 23-38	3	74
15	Interactions of tea tannins and condensed tannins with proteins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 51, 490-5	3.5	189
14	Octanol-water partition coefficients for predicting the effects of tannins in ruminant nutrition. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 5436-44	5.7	31

13	Hydrolyzable tannin structures influence relative globular and random coil protein binding strengths. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 4554-61	5.7	109
12	Unravelling the conundrum of tannins in animal nutrition and health. <i>Journal of the Science of Food and Agriculture</i> , 2006 , 86, 2010-2037	4.3	561
11	Probing protein-tannin interactions by isothermal titration microcalorimetry. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 5189-95	5.7	149
10	Analysis of hydrolysable tannins. <i>Animal Feed Science and Technology</i> , 2001 , 91, 3-20	3	245
9	Characterisation of tannins and in vitro protein digestibility of several Lotus corniculatus varieties. <i>Animal Feed Science and Technology</i> , 2000 , 87, 41-56	3	69
8	Investigations into the biochemical basis for nematode resistance in roots of three musa cultivars in response to Radopholus similis infection. <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 5297-301	5.7	39
7	Polyphenols, condensed tannins, and other natural products in Onobrychis viciifolia (Sainfoin). <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 3440-7	5.7	66
6	Evaluation of the Novel Soxflo Technique for Rapid Extraction of Crude Fat in Foods and Animal Feeds. <i>Journal of AOAC INTERNATIONAL</i> , 1999 , 82, 1369-1374	1.7	13
5	Modification of the head-group selectivity of porcine pancreatic phospholipase A2 by protein engineering. <i>Biochemistry</i> , 1993 , 32, 12203-8	3.2	10
4	Light-induced isomerization and dimerization of cinnamic acid derivatives in cell walls. <i>Phytochemistry</i> , 1993 , 33, 791-796	4	48
3	Measurement of volatile fatty acids in pore water from marine sediments by HPLC. <i>Estuarine, Coastal and Shelf Science</i> , 1987 , 25, 567-579	2.9	24
2	Characterisation of phenolic compounds, including flavonoids and tannins, of ten ethiopian browse species by high performance liquid chromatography. <i>Journal of the Science of Food and Agriculture</i> , 1987 , 39, 1-14	4.3	75
1	Linkage of p-coumaroyl and feruloyl groups to cell-wall polysaccharides of barley straw. <i>Carbohydrate Research</i> , 1986 , 148, 71-85	2.9	309