Julianne O'Reilly-Wapstra

List of Publications by Year
in descending order

64 papers	1,272 citations	361413 20 h-index	414414 32 g-index
65 all docs	65 docs citations	65 times ranked	1440 citing authors

#	Article	IF	Citations
1	A geographic mosaic of genetic variation within a foundation tree species and its community-level consequences. Ecology, 2009, 90, 1762-1772.	3.2	125
2	Linking plant genotype, plant defensive chemistry and mammal browsing in a Eucalyptus species. Functional Ecology, 2004, 18, 677-684.	3.6	92
3	Geographic Variation in Age and Size at Maturity in a Small Australian Viviparous Skink. Copeia, 2001, 2001, 646-655.	1.3	68
4	Do multiple herbivores maintain chemical diversity of Scots pine monoterpenes?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 1337-1345.	4.0	60
5	Effect of limited water availability on foliar plant secondary metabolites of two Eucalyptus species. Environmental and Experimental Botany, 2014, 105, 55-64.	4.2	58
6	Genetic variation in resistance of Eucalyptus globulus to marsupial browsers. Oecologia, 2002, 130, 289-296.	2.0	57
7	Geographic and annual variation in reproductive cycles in the Tasmanian spotted snow skink, Niveoscincus ocellatus (Squamata : Scincidae). Australian Journal of Zoology, 1999, 47, 539.	1.0	53
8	Effects of nutrient variability on the genetic-based resistance of Eucalyptus globulus to a mammalian herbivore and on plant defensive chemistry. Oecologia, 2005, 142, 597-605.	2.0	50
9	Assessment and Implications of Intraspecific and Phenological Variability in Monoterpenes of Scots Pine (Pinus sylvestris) Foliage. Journal of Chemical Ecology, 2007, 33, 477-491.	1.8	46
10	Quantitative trait loci for foliar terpenes in a global eucalypt species. Tree Genetics and Genomes, 2011, 7, 485-498.	1.6	37
11	Quantitative trait loci for key defensive compounds affecting herbivory of eucalypts in Australia. New Phytologist, 2008, 178, 846-851.	7.3	34
12	A footprint of treeâ€genetics on the biota of the forest floor. Oikos, 2009, 118, 1917-1923.	2.7	32
13	Stability of Plant Defensive Traits Among Populations in Two Eucalyptus Species Under Elevated Carbon Dioxide. Journal of Chemical Ecology, 2012, 38, 204-212.	1.8	32
14	Chemical Variation in a Dominant Tree Species: Population Divergence, Selection and Genetic Stability across Environments. PLoS ONE, 2013, 8, e58416.	2.5	31
15	Stability of Genetic-Based Defensive Chemistry Across Life Stages in a Eucalyptus Species. Journal of Chemical Ecology, 2007, 33, 1876-1884.	1.8	26
16	Phylogeny Explains Variation in The Root Chemistry of Eucalyptus Species. Journal of Chemical Ecology, 2016, 42, 1086-1097.	1.8	26
17	The role of genetic and chemical variation of Pinus sylvestris seedlings in influencing slug herbivory. Oecologia, 2007, 152, 82-91.	2.0	25
18	Responses to mild water deficit and rewatering differ among secondary metabolites but are similar among provenances withinEucalyptusspecies. Tree Physiology, 2016, 36, tpv106.	3.1	24

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19	Genetic control of cuticular wax compounds in Eucalyptus globulus. New Phytologist, 2016, 209, 202-215.	7.3	23
20	Inheritance Of Resistance to Mammalian Herbivores and of Plant Defensive Chemistry in an Eucalyptus Species. Journal of Chemical Ecology, 2005, 31, 357-375.	1.8	22
21	Discrimination between seedlings of Eucalyptus globulus, E. nitens and their F1 hybrid using near-infrared reflectance spectroscopy and foliar oil content. Silvae Genetica, 2008, 57, 262-269.	0.8	20
22	Non-lethal strategies to reduce browse damage in eucalypt plantations. Forest Ecology and Management, 2009, 259, 45-55.	3.2	14
23	Phylogenetic Responses of Forest Trees to Global Change. PLoS ONE, 2013, 8, e60088.	2.5	14
24	Pinus sylvestris sapling growth and recovery from mammalian browsing. Forest Ecology and Management, 2014, 325, 18-25.	3.2	14
25	Population divergence in the ontogenetic trajectories of foliar terpenes of a Eucalyptus species. Annals of Botany, 2015, 115, 159-170.	2.9	14
26	Genetic analysis of the near-infrared spectral phenome of a global Eucalyptus species. Tree Genetics and Genomes, 2013, 9, 943-959.	1.6	13
27	Friction correction when predicting wood basic density using drilling resistance. Holzforschung, 2021, 75, 508-516.	1.9	13
28	Survival and recovery of Eucalyptus globulus seedlings from severe defoliation. Forest Ecology and Management, 2016, 379, 243-251.	3.2	12
29	Nitrification potential in the rhizosphere of Australian native vegetation. Soil Research, 2017, 55, 58.	1.1	12
30	Inheritance Of Resistance To Mammalian Herbivores and Of Plant Defensive Chemistry In A Eucalyptus Species. Journal of Chemical Ecology, 2005, 31, 519-537.	1.8	11
31	Quantitative Genetic Variation in Bark Stripping of Pinus radiata. Forests, 2020, 11, 1356.	2.1	11
32	From genes to ecosystems. , 2012, , 269-286.		10
33	Additive genetic variation in Pinus radiata bark chemistry and the chemical traits associated with variation in mammalian bark stripping. Heredity, 2021, 127, 498-509.	2.6	10
34	Native plant/herbivore interactions as determinants of the ecological and evolutionary effects of invasive mammalian herbivores: the case of the common brushtail possum. Biological Invasions, 2010, 12, 373-387.	2.4	9
35	Habitat fragmentation in forests affects relatedness and spatial genetic structure of a native rodent, <scp>R</scp>attus lutreolus. Austral Ecology, 2013, 38, 568-580.	1.5	9
36	The Extended Community-Level Effects of Genetic Variation in Foliar Wax Chemistry in the Forest Tree Eucalyptus globulus. Journal of Chemical Ecology, 2017, 43, 532-542.	1.8	9

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37	Characterisation of wood quality of Eucalyptus nitens plantations and predictive models of density and stiffness with site and tree characteristics. Forest Ecology and Management, 2021, 491, 118992.	3.2	9
38	Effectiveness of repellents for reducing damage to eucalypt seedlings by browsing mammals. Australian Forestry, 2008, 71, 303-310.	0.9	8
39	Repellent and stocking guards reduce mammal browsing in eucalypt plantations. New Forests, 2011, 42, 301-316.	1.7	8
40	Short-term responses of native rodents to aggregated retention in old growth wet Eucalyptus forests. Forest Ecology and Management, 2012, 267, 18-27.	3.2	8
41	Mammalian herbivores reveal marked genetic divergence among populations of an endangered plant species. Oikos, 2012, 121, 268-276.	2.7	8
42	Direct and indirect effects of marsupial browsing on a foundation tree species. Oikos, 2015, 124, 515-524.	2.7	8
43	Developing near infrared spectroscopy models for predicting chemistry and responses to stress in Pinus radiata (D. Don). Journal of Near Infrared Spectroscopy, 2021, 29, 245-256.	1.5	8
44	Damage to and intake of plantation seedlings by captive European rabbits (Oryctolagus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	0.9	7
45	Genetic and Ontogenetic Variation in an Endangered Tree Structures Dependent Arthropod and Fungal Communities. PLoS ONE, 2014, 9, e114132.	2.5	7
46	A water availability gradient reveals the deficit level required to affect traits in potted juvenileEucalyptus globulus. Annals of Botany, 2017, 119, mcw266.	2.9	7
47	Phylogenetic trait conservatism predicts patterns of plantâ€soil feedback. Ecosphere, 2018, 9, e02409.	2.2	7
48	Development of Non-Destructive-Testing Based Selection and Grading Strategies for Plantation Eucalyptus nitens Sawn Boards. Forests, 2021, 12, 343.	2.1	7
49	Field screening for genetic-based susceptibility to mammalian browsing. Forest Ecology and Management, 2011, 262, 1500-1506.	3.2	6
50	Genetic Correlations in Multi-Species Plant/Herbivore Interactions at Multiple Genetic Scales. Advances in Ecological Research, 2014, 50, 267-295.	2.7	6
51	Genetic stability of physiological responses to defoliation in a eucalypt and altered chemical defence in regrowth foliage. Tree Physiology, 2017, 37, 220-235.	3.1	6
52	Forest fire may disrupt plantâ€“microbial feedbacks. Plant Ecology, 2018, 219, 497-504.	1.6	6
53	Natural selection for anti-herbivore plant secondary metabolites. , 2012, , 10-33.		5
54	Variable patterns of inheritance of ecologically important plant secondary metabolites in an inter-specific eucalypt hybrid. Forest Ecology and Management, 2014, 318, 71-77.	3.2	5

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55	Wood Properties Characterisation of Thermo-Hydro Mechanical Treated Plantation and Native Tasmanian Timber Species. Forests, 2020, 11, 1189.	2.1	5
56	Consistent community genetic effects in the context of strong environmental and temporal variation in Eucalyptus. Oecologia, 2021, 195, 367-382.	2.0	5
57	Variation in constitutive and induced chemistry in the needles, bark and roots of young Pinus radiata trees. Trees - Structure and Function, 0, , 1.	1.9	5
58	Chemical Traits that Predict Susceptibility of Pinus radiata to Marsupial Bark Stripping. Journal of Chemical Ecology, 2021, , 1.	1.8	3
59	Evolutionary History and Novel Biotic Interactions Determine Plant Responses to Elevated CO2 and Nitrogen Fertilization. PLoS ONE, 2014, 9, e114596.	2.5	2
60	Thinning Influences Wood Properties of Plantation-Grown Eucalyptus nitens at Three Sites in Tasmania. Forests, 2021, 12, 1304.	2.1	2
61	Development of a segregation method to sort fast-grown Eucalyptus nitens (H. Deane & Maiden) Maiden plantation trees and logs for higher quality structural timber products. Annals of Forest Science, 2022, 79, .	2.0	2
62	When Ranges Collide. Advances in Ecological Research, 2014, 50, 297-350.	2.7	1
63	Effects of thinning on the longitudinal and radial variation in wood properties of Eucalyptus nitens. Forestry, 0, , .	2.3	1
64	Quality traits of plantation Eucalyptus nitens logs impacting volume and value recovery of structural sawn boards. European Journal of Wood and Wood Products, 2022, 80, 657-668.	2.9	1