

Ben D Moore

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

3,386
citations

172386

29
h-index

155592

55
g-index

89
all docs

89
docs citations

89
times ranked

4218
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicon fertilisation affects morphological and immune defences of an insect pest and enhances plant compensatory growth. <i>Journal of Pest Science</i> , 2023, 96, 41-53.	1.9	7
2	Silicon suppresses a ubiquitous mite herbivore and promotes natural enemy attraction by altering plant volatile blends. <i>Journal of Pest Science</i> , 2022, 95, 423-434.	1.9	11
3	Short-term drought is a stronger driver of plant morphology and nutritional composition than warming in two common pasture species. <i>Journal of Agronomy and Crop Science</i> , 2022, 208, 841-852.	1.7	5
4	Characterization of the juvenile koala gut microbiome across wild populations. <i>Environmental Microbiology</i> , 2022, 24, 4209-4219.	1.8	9
5	Maternal inheritance of the koala gut microbiome and its compositional and functional maturation during juvenile development. <i>Environmental Microbiology</i> , 2022, 24, 475-493.	1.8	12
6	Pastures and Climate Extremes: Impacts of Cool Season Warming and Drought on the Productivity of Key Pasture Species in a Field Experiment. <i>Frontiers in Plant Science</i> , 2022, 13, 836968.	1.7	8
7	Near infrared spectroscopy calibration strategies to predict multiple nutritional parameters of pasture species from different functional groups. <i>Journal of Near Infrared Spectroscopy</i> , 2022, 30, 254-263.	0.8	2
8	Silicon Defence in Plants: Does Herbivore Identity Matter?. <i>Trends in Plant Science</i> , 2021, 26, 99-101.	4.3	13
9	Climate warming negates arbuscular mycorrhizal fungal reductions in soil phosphorus leaching with tall fescue but not lucerne. <i>Soil Biology and Biochemistry</i> , 2021, 152, 108075.	4.2	15
10	Comparison of three methods of estimating the population size of an arboreal mammal in a fragmented rural landscape. <i>Wildlife Research</i> , 2021, 48, 105.	0.7	8
11	Location, but not defensive genotype, determines ectomycorrhizal community composition in Scots pine (<i>Pinus sylvestris</i> L.) seedlings. <i>Ecology and Evolution</i> , 2021, 11, 4826-4842.	0.8	3
12	Fundamental dietary specialisation explains differential use of resources within a koala population. <i>Oecologia</i> , 2021, 196, 795-803.	0.9	9
13	Arbuscular mycorrhizal fungal-mediated reductions in N ₂ O emissions were not impacted by experimental warming for two common pasture species. <i>Pedobiologia</i> , 2021, 87-88, 150744.	0.5	1
14	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021, 8, 254.	2.4	73
15	Mapping canopy nitrogen escapes to assess foraging habitat for a vulnerable arboreal folivore in mixed-species <i>Eucalyptus</i> forests. <i>Ecology and Evolution</i> , 2021, 11, 18401-18421.	0.8	4
16	Elevated atmospheric carbon dioxide concentrations alter root morphology and reduce the effectiveness of entomopathogenic nematodes. <i>Plant and Soil</i> , 2020, 447, 29-38.	1.8	11
17	Novel evidence for systemic induction of silicon defences in cucumber following attack by a global insect herbivore. <i>Ecological Entomology</i> , 2020, 45, 1373-1381.	1.1	15
18	Sample selection, calibration and validation of models developed from a large dataset of near infrared spectra of tree leaves. <i>Journal of Near Infrared Spectroscopy</i> , 2020, 28, 186-203.	0.8	15

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19	The fate of carbon in a mature forest under carbon dioxide enrichment. <i>Nature</i> , 2020, 580, 227-231.	13.7	218
20	Intraspecific variation in nutritional traits of neighbouring plants generates a continuum of associational effects. <i>Journal of Vegetation Science</i> , 2020, 31, 920-933.	1.1	7
21	Ingestion and Absorption of Eucalypt Monoterpenes in the Specialist Feeder, the Koala (<i>Phascolarctos</i>) <i>Tj ETQq1 1 0.784314 4gBT /Ov</i>	0.9	4
22	When resistance is futile, tolerate instead: silicon promotes plant compensatory growth when attacked by above- and belowground herbivores. <i>Biology Letters</i> , 2019, 15, 20190361.	1.0	16
23	Faecal inoculations alter the gastrointestinal microbiome and allow dietary expansion in a wild specialist herbivore, the koala. <i>Animal Microbiome</i> , 2019, 1, 6.	1.5	39
24	Climate warming and plant biomechanical defences: Silicon addition contributes to herbivore suppression in a pasture grass. <i>Functional Ecology</i> , 2019, 33, 587-596.	1.7	20
25	Mapping Foliar Nutrition Using WorldView-3 and WorldView-2 to Assess Koala Habitat Suitability. <i>Remote Sensing</i> , 2019, 11, 215.	1.8	14
26	The Ecology of Browsing and Grazing in Other Vertebrate Taxa. <i>Ecological Studies</i> , 2019, , 339-404.	0.4	4
27	The Koala (<i>Phascolarctos cinereus</i>) faecal microbiome differs with diet in a wild population. <i>PeerJ</i> , 2019, 7, e6534.	0.9	46
28	Interspecific and intraspecific relationships between body mass and diet quality in a macropodid community. <i>Journal of Mammalogy</i> , 2018, 99, 428-439.	0.6	4
29	Spatial correlations between browsing on balsam fir by white-tailed deer and the nutritional value of neighboring winter forage. <i>Ecology and Evolution</i> , 2018, 8, 2812-2823.	0.8	14
30	Root herbivore performance suppressed when feeding on a jasmonate-induced pasture grass. <i>Ecological Entomology</i> , 2018, 43, 547-550.	1.1	3
31	Root responses to domestication, precipitation and silicification: weeping meadow grass simplifies and alters toughness. <i>Plant and Soil</i> , 2018, 427, 291-304.	1.8	7
32	A hot lunch for herbivores: physiological effects of elevated temperatures on mammalian feeding ecology. <i>Biological Reviews</i> , 2018, 93, 674-692.	4.7	34
33	Silicon uptake by a pasture grass experiencing simulated grazing is greatest under elevated precipitation. <i>BMC Ecology</i> , 2018, 18, 53.	3.0	14
34	Temporal and spatial trends in the abundances of an apex predator, introduced mesopredator and ground-nesting bird are consistent with the mesopredator release hypothesis. <i>Biodiversity and Conservation</i> , 2017, 26, 1445-1462.	1.2	17
35	Shrub encroachment is linked to extirpation of an apex predator. <i>Journal of Animal Ecology</i> , 2017, 86, 147-157.	1.3	45
36	Climate and atmospheric change impacts on sap-feeding herbivores: a mechanistic explanation based on functional groups of primary metabolites. <i>Functional Ecology</i> , 2017, 31, 161-171.	1.7	21

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37	Aboveâ€“Belowground Herbivore Interactions in Mixed Plant Communities Are Influenced by Altered Precipitation Patterns. <i>Frontiers in Plant Science</i> , 2016, 7, 345.	1.7	33
38	Novel In vitro Procedures for Rearing a Root-Feeding Pest (<i>Heteronychus arator</i>) of Grasslands. <i>Frontiers in Plant Science</i> , 2016, 7, 1316.	1.7	3
39	Insect herbivory in a mature Eucalyptus woodland canopy depends on leaf phenology but not CO2 enrichment. <i>BMC Ecology</i> , 2016, 16, 47.	3.0	19
40	Use of expert knowledge to elicit population trends for the koala (<i>Phascolarctos cinereus</i>). <i>Diversity and Distributions</i> , 2016, 22, 249-262.	1.9	85
41	Climate change, nutrition and immunity: Effects of elevated CO2 and temperature on the immune function of an insect herbivore. <i>Journal of Insect Physiology</i> , 2016, 85, 57-64.	0.9	24
42	Precipitation, not CO2 enrichment, drives insect herbivore frass deposition and subsequent nutrient dynamics in a mature Eucalyptus woodland. <i>Plant and Soil</i> , 2016, 399, 29-39.	1.8	15
43	Get Tough, Get Toxic, or Get a Bodyguard: Identifying Candidate Traits Conferring Belowground Resistance to Herbivores in Grasses. <i>Frontiers in Plant Science</i> , 2016, 7, 1925.	1.7	31
44	Translating physiological signals to changes in feeding behaviour in mammals and the future effects of global climate change. <i>Animal Production Science</i> , 2015, 55, 272.	0.6	22
45	Amino acid-mediated impacts of elevated carbon dioxide and simulated root herbivory on aphids are neutralized by increased air temperatures. <i>Journal of Experimental Botany</i> , 2015, 66, 613-623.	2.4	28
46	Responses of leaf beetle larvae to elevated [CO2] and temperature depend on Eucalyptus species. <i>Oecologia</i> , 2015, 177, 607-617.	0.9	24
47	Atmospheric change and induced plant secondary metabolites â€” are we reshaping the building blocks of multi-trophic interactions?. <i>Current Opinion in Insect Science</i> , 2014, 5, 57-65.	2.2	44
48	<i>Pinus sylvestris</i> sapling growth and recovery from mammalian browsing. <i>Forest Ecology and Management</i> , 2014, 325, 18-25.	1.4	14
49	Feeding rates of a mammalian browser confirm the predictions of a â€”foodscapeâ€™ model of its habitat. <i>Oecologia</i> , 2014, 174, 873-882.	0.9	34
50	Explaining intraspecific diversity in plant secondary metabolites in an ecological context. <i>New Phytologist</i> , 2014, 201, 733-750.	3.5	391
51	Four species of arboreal folivore show differential tolerance to a secondary metabolite. <i>Oecologia</i> , 2014, 176, 251-258.	0.9	24
52	Translating nutritional ecology from the laboratory to the field: milestones in linking plant chemistry to population regulation in mammalian browsers. <i>Oikos</i> , 2014, 123, 298-308.	1.2	51
53	Male-Biased Predation and Its Effect on Paternity Skew and Life History in a Population of Common Brushtail Possums (<i>Trichosurus vulpecula</i>). <i>PLoS ONE</i> , 2014, 9, e111746.	1.1	3
54	A faecal index of diet quality that predicts reproductive success in a marsupial folivore. <i>Oecologia</i> , 2013, 173, 203-212.	0.9	20

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55	Self-Medication: A Learning Process?. <i>Science</i> , 2013, 340, 1041-1041.	6.0	4
56	Correlations between physical and chemical defences in plants: tradeoffs, syndromes, or just many different ways to skin a herbivorous cat?. <i>New Phytologist</i> , 2013, 198, 252-263.	3.5	124
57	Biology and trophic interactions of lucerne aphids. <i>Agricultural and Forest Entomology</i> , 2013, 15, 335-350.	0.7	28
58	Continuous monitoring of feeding by koalas highlights diurnal differences in tree preferences. <i>Wildlife Research</i> , 2013, 40, 639.	0.7	25
59	Early Root Herbivory Impairs Arbuscular Mycorrhizal Fungal Colonization and Shifts Defence Allocation in Establishing <i>Plantago lanceolata</i> . <i>PLoS ONE</i> , 2013, 8, e66053.	1.1	24
60	Effects of elevated temperature and CO ₂ on aboveground-belowground systems: a case study with plants, their mutualistic bacteria and root/shoot herbivores. <i>Frontiers in Plant Science</i> , 2013, 4, 445.	1.7	32
61	Integrating the effects of PSMs on vertebrate herbivores across spatial and temporal scales. , 2012, , 226-246.		8
62	Plant secondary metabolite polymorphisms and the extended chemical phenotype. , 2012, , 247-268.		7
63	Putting plant resistance traits on the map: a test of the idea that plants are better defended at lower latitudes. <i>New Phytologist</i> , 2011, 191, 777-788.	3.5	155
64	Do multiple herbivores maintain chemical diversity of Scots pine monoterpenes?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 1337-1345.	1.8	60
65	The effect of plant secondary metabolites on the interplay between the internal and external environments of marsupial folivores. <i>Chemoecology</i> , 2010, 20, 97-108.	0.6	21
66	The Ecology of Browsing and Grazing. <i>Austral Ecology</i> , 2010, 35, 238-239.	0.7	1
67	Palatability mapping: a koala's eye view of spatial variation in habitat quality. <i>Ecology</i> , 2010, 91, 3165-3176.	1.5	107
68	The effects of plant defensive chemistry on nutrient availability predict reproductive success in a mammal. <i>Ecology</i> , 2009, 90, 711-719.	1.5	141
69	Inter-population differences in the tolerance of a marsupial folivore to plant secondary metabolites. <i>Oecologia</i> , 2009, 161, 539-548.	0.9	18
70	Revisiting the dietary niche: When is a mammalian herbivore a specialist?. <i>Integrative and Comparative Biology</i> , 2009, 49, 274-290.	0.9	121
71	A simple, integrative assay to quantify nutritional quality of browses for herbivores. <i>Oecologia</i> , 2008, 156, 107-116.	0.9	111
72	Number of mates and timing of mating affect offspring growth in the small marsupial <i>Antechinus agilis</i> . <i>Animal Behaviour</i> , 2006, 71, 289-297.	0.8	29

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73	Tree use by koalas in a chemically complex landscape. <i>Nature</i> , 2005, 435, 488-490.	13.7	158
74	Taught by animals: how understanding diet selection leads to better zoo diets. <i>International Zoo Yearbook</i> , 2005, 39, 43-61.	1.0	6
75	Plant secondary metabolites and vertebrate herbivores – from physiological regulation to ecosystem function. <i>Current Opinion in Plant Biology</i> , 2005, 8, 430-435.	3.5	88
76	Eucalyptus foliar chemistry explains selective feeding by koalas. <i>Biology Letters</i> , 2005, 1, 64-67.	1.0	99
77	Antiherbivore Chemistry of Eucalyptus – Cues and Deterrents for Marsupial Folivores. <i>Journal of Chemical Ecology</i> , 2004, 30, 1743-1769.	0.9	98
78	FOLIAR NUTRITION, SITE QUALITY, AND TEMPERATURE INFLUENCE FOLIAR CHEMISTRY OF TALLOWWOOD (EUCALYPTUS MICROCORYS). <i>Ecological Monographs</i> , 2004, 74, 553-568.	2.4	65
79	The role of nutrition in the conservation of the marsupial folivores of eucalypt forests. , 2004, , 549-575.		45
80	Glucuronuria in the koala. <i>Journal of Chemical Ecology</i> , 2003, 29, 1465-1477.	0.9	13
81	Habitat selection by adult female eastern grey kangaroos. <i>Wildlife Research</i> , 2002, 29, 439.	0.7	43
82	Metabolites of dietary 1,8-cineole in the male koala (<i>Phascolarctos cinereus</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2001, 129, 385-395.	1.3	31
83	Fate of the Dietary Terpene, P-Cymene, in the Male Koala. <i>Journal of Chemical Ecology</i> , 2000, 26, 1095-1111.	0.9	29
84	A review of feeding and diet selection in koalas (<i>Phascolarctos cinereus</i>). <i>Australian Journal of Zoology</i> , 2000, 48, 317.	0.6	71
85	Warmer Ambient Temperatures Depress Detoxification and Food Intake by Marsupial Folivores. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	1.1	3