Lesley Hughes

List of Publications by Year
in descending order

118 papers	14,543 citations	66343 42 h-index	22832 112 g-index
119 all docs	119 docs citations	119 times ranked	17122 citing authors

#	Article	IF	Citations
1	Extinction risk from climate change. Nature, 2004, 427, 145-148.	27.8	5,985
2	Biological consequences of global warming: is the signal already apparent?. Trends in Ecology and Evolution, 2000, 15, 56-61.	8.7	1,648
3	Assisted Colonization and Rapid Climate Change. Science, 2008, 321, 345-346.	12.6	786
4	Climate change and Australia: Trends, projections and impacts. Austral Ecology, 2003, 28, 423-443.	1.5	569
5	Predicting species distributions: use of climatic parameters in BIOCLIM and its impact on predictions of speciesâ€™ current and future distributions. Ecological Modelling, 2005, 186, 251-270.	2.5	401
6	Different climatic envelopes among invasive populations may lead to underestimations of current and future biological invasions. Diversity and Distributions, 2009, 15, 409-420.	4.1	263
7	Why is the choice of future climate scenarios for species distribution modelling important?. Ecology Letters, 2008, 11, 1135-1146.	6.4	257
8	Evidence for climatic niche and biome shifts between native and novel ranges in plant species introduced to Australia. Journal of Ecology, 2010, 98, 790-799.	4.0	185
9	Fate of Seeds Adapted for Dispersal by Ants in Australian Sclerophyll Vegetation. Ecology, 1992, 73, 1285-1299.	3.2	183
10	Mobile Gene Cassettes: A Fundamental Resource for Bacterial Evolution. American Naturalist, 2004, 164, 1-12.	2.1	168
11	Phenological Changes in the Southern Hemisphere. PLoS ONE, 2013, 8, e75514.	2.5	161
12	Major Conservation Policy Issues for Biodiversity in Oceania. Conservation Biology, 2009, 23, 834-840.	4.7	160
13	Where will species go? Incorporating new advances in climate modelling into projections of species distributions. Global Change Biology, 2007, 13, 1368-1385.	9.5	157
14	Potential changes in the distributions of latitudinally restricted Australian butterfly species in response to climate change. Global Change Biology, 2002, 8, 954-971.	9.5	139
15	Climatic Range Sizes of Eucalyptus Species in Relation to Future Climate Change. Global Ecology and Biogeography Letters, 1996, 5, 23.	0.6	132
16	Combating ecosystem collapse from the tropics to the Antarctic. Global Change Biology, 2021, 27, 1692-1703.	9.5	128
17	Phenological trends among Australian alpine species: using herbarium records to identify climate-change indicators. Australian Journal of Botany, 2009, 57, 1.	0.6	113
18	Herbivore damage along a latitudinal gradient: relative impacts of different feeding guilds. Oikos, 2005, 108, 176-182.	2.7	112

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19	Effects of elevated CO2 on five plant-aphid interactions. Entomologia Experimentalis Et Applicata, 2001, 99, 87-96.	1.4	110
20	Removal Rates of Seeds Adapted for Dispersal by Ants. Ecology, 1990, 71, 138-148.	3.2	108
21	Climate change and its impact on Australia's avifauna. Emu, 2005, 105, 1-20.	0.6	108
22	Invasion hotspots for nonâ€native plants in <scp>A</scp>ustralia under current and future climates. Global Change Biology, 2012, 18, 617-629.	9.5	99
23	Interactive effects of elevated CO2 and temperature on the leaf-miner Dialectica scalariella Zeller (Lepidoptera: Gracillariidae) in Paterson's Curse, Echium plantagineum (Boraginaceae). Global Change Biology, 2002, 8, 142-152.	9.5	89
24	Climate change and Australia: key vulnerable regions. Regional Environmental Change, 2011, 11, 189-195.	2.9	80
25	Current Constraints and Future Directions in Estimating Coextinction. Conservation Biology, 2010, 24, 682-690.	4.7	79
26	Species loss and gain in communities under future climate change: consequences for functional diversity. Ecography, 2013, 36, 531-540.	4.5	74
27	Diversity and assemblage structure of phytophagous Hemiptera along a latitudinal gradient: predicting the potential impacts of climate change. Global Ecology and Biogeography, 2005, 14, 249-262.	5.8	70
28	A matter of timing: changes in the first date of arrival and last date of departure of Australian migratory birds. Global Change Biology, 2006, 12, 1339-1354.	9.5	66
29	Effect of elevated CO 2 on interactions betwe en the western flower thrips, Frankliniella occidentalis (Thysanoptera: Thripidae) and the common milkweed, Asclepias syriaca. Oecologia, 1997, 109, 286-290.	2.0	64
30	Conservation strategies in response to rapid climate change: Australia as a case study. Biological Conservation, 2010, 143, 1587-1593.	4.1	64
31	Species diversity and structure of phytophagous beetle assemblages along a latitudinal gradient: predicting the potential impacts of climate change. Ecological Entomology, 2004, 29, 527-542.	2.2	61
32	Geographic and Climatic Range Sizes of Australian Eucalypts and a Test of Rapoport's Rule. Global Ecology and Biogeography Letters, 1996, 5, 128.	0.6	57
33	Does the choice of climate baseline matter in ecological niche modelling?. Ecological Modelling, 2010, 221, 2280-2286.	2.5	57
34	Leaf miners: The hidden herbivores. Austral Ecology, 2010, 35, 300-313.	1.5	55
35	Considering Extinction of Dependent Species during Translocation, Ex Situ Conservation, and Assisted Migration of Threatened Hosts. Conservation Biology, 2012, 26, 199-207.	4.7	55
36	Why do more plant species use ants for dispersal on infertile compared with fertile soils?*. Austral Ecology, 1991, 16, 445-455.	1.5	53

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37	Arthropod community structure along a latitudinal gradient: Implications for future impacts of climate change. Austral Ecology, 2005, 30, 281-297.	1.5	53
38	Dragonflies: climate canaries for river management. Diversity and Distributions, 2013, 19, 86-97.	4.1	53
39	Effects of elevated CO2 on an insect omnivore: A test for nutritional effects mediated by host plants and prey. Agriculture, Ecosystems and Environment, 2008, 123, 271-279.	5.3	52
40	Potential Impacts of Climate Change on Insect Communities: A Transplant Experiment. PLoS ONE, 2014, 9, e85987.	2.5	52
41	Consensus on climate change. Trends in Ecology and Evolution, 2005, 20, 648-649.	8.7	49
42	Uncertainty in predictions of extinction risk/Effects of changes in climate and land use/Climate change and extinction risk (reply). Nature, 2004, 430, 34-34.	27.8	47
43	Small vegetated patches greatly reduce urban surface temperature during a summer heatwave in Adelaide, Australia. Landscape and Urban Planning, 2021, 209, 104046.	7.5	46
44	Identifying and Managing Threatened Invertebrates through Assessment of Coextinction Risk. Conservation Biology, 2011, 25, 787-796.	4.7	43
45	Continental-Scale Assessment of Risk to the Australian Odonata from Climate Change. PLoS ONE, 2014, 9, e88958.	2.5	42
46	Renewal ecology: conservation for the Anthropocene. Restoration Ecology, 2017, 25, 674-680.	2.9	41
47	Incidence of leaf mining in different vegetation types across rainfall, canopy cover and latitudinal gradients. Austral Ecology, 2008, 33, 353-360.	1.5	40
48	Modelling the impact of Hieracium spp. on protected areas in Australia under future climates. Ecography, 2009, 32, 757-764.	4.5	39
49	Freshwater conservation planning under climate change: demonstrating proactive approaches for Australian Odonata. Journal of Applied Ecology, 2014, 51, 1273-1281.	4.0	39
50	Potential host colonization by insect herbivores in a warmer climate: a transplant experiment. Global Change Biology, 2007, 13, 1539-1549.	9.5	38
51	Can Australian biodiversity adapt to climate change?. , 2012, , 8-10.		38
52	Nectar Production and Floral Characteristics of Tropaeolum majus L. Grown in Ambient and Elevated Carbon Dioxide. Annals of Botany, 1999, 84, 535-541.	2.9	36
53	Effects of elevated CO2 and temperature on development and consumption rates of Octotoma championi and O. scabripennis feeding on Lantana camara. Entomologia Experimentalis Et Applicata, 2003, 108, 169-178.	1.4	36
54	The relocation of ant nest entrances: Potential consequences for ant-dispersed seeds. Austral Ecology, 1991, 16, 207-214.	1.5	35

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55	The power of the transplant: direct assessment of climate change impacts. Climatic Change, 2017, 144, 237-255.	3.6	33
56	Patterns in body size and melanism along a latitudinal cline in the wingless grasshopper, Phaulacridium vittatum. Journal of Biogeography, 2012, 39, 1450-1461.	3.0	32
57	Predicted impact of exotic vines on an endangered ecological community under future climate change. Biological Invasions, 2010, 12, 4049-4063.	2.4	30
58	Australian family ties: does a lack of relatives help invasive plants escape natural enemies?. Biological Invasions, 2012, 14, 2423-2434.	2.4	30
59	Determining vulnerability of stream communities to climate change at the landscape scale. Freshwater Biology, 2012, 57, 1689-1701.	2.4	30
60	The grass may not always be greener: projected reductions in climatic suitability for exotic grasses under future climates in Australia. Biological Invasions, 2013, 15, 961-975.	2.4	30
61	How can knowledge of the climate niche inform the weed risk assessment process? A case study of <scp>C</scp>hrysanthemoides monilifera in <scp>A</scp>ustralia. Diversity and Distributions, 2014, 20, 613-625.	4.1	30
62	An evaluation of problem based learning in the multiprofessional education curriculum for the health professions. Journal of Interprofessional Care, 1997, 11, 77-88.	1.7	29
63	Next-Generation Invaders? Hotspots for Naturalised Sleeper Weeds in Australia under Future Climates. PLoS ONE, 2013, 8, e84222.	2.5	29
64	A framework for assessing the vulnerability of species to climate change: a case study of the Australian elapid snakes. Biodiversity and Conservation, 2014, 23, 3019-3034.	2.6	28
65	A Test of the Thermal Melanism Hypothesis in the Wingless GrasshopperPhaulacridium vittatum. Journal of Insect Science, 2013, 13, 1-18.	0.9	24
66	Turning up the heat on the provenance debate: Testing the â€˜local is bestâ€™ paradigm under heatwave conditions. Austral Ecology, 2014, 39, 600-611.	1.5	24
67	Does time since introduction influence enemy release of an invasive weed?. Oecologia, 2013, 173, 493-506.	2.0	23
68	Testing the â€œLocal Provenanceâ€•Paradigm: A Common Garden Experiment in Cumberland Plain Woodland, Sydney, Australia. Restoration Ecology, 2013, 21, 569-577.	2.9	23
69	A tool to assess potential for alien plant establishment and expansion under climate change. Journal of Environmental Management, 2015, 159, 121-127.	7.8	23
70	Seed and Seedling Biology in Relation to Modelling Vegetation Dynamics Under Global Climate Change. Australian Journal of Botany, 1992, 40, 599.	0.6	22
71	Response of ant communities and ant-seed interactions to bush regeneration. Ecological Management and Restoration, 2002, 3, 188-199.	1.5	21
72	A new approach and case study for estimating extent and rates of habitat loss for ecological communities. Biological Conservation, 2009, 142, 1469-1479.	4.1	21

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73	Research priorities for natural ecosystems in a changing global climate. Global Change Biology, 2020, 26, 410-416.	9.5	21
74	Which hostâ€dependent insects are most prone to coextinction under changed climates?. Ecology and Evolution, 2014, 4, 1295-1312.	1.9	20
75	Plant phylogeny as a surrogate for turnover in beetle assemblages. Biodiversity and Conservation, 2012, 21, 323-342.	2.6	18
76	Improving engagement in an early career academic setting: can existing models guide early career academic support strategies?. Higher Education Research and Development, 2019, 38, 717-732.	2.9	18
77	Climate change and conservation policies in Australia: coping with change that is far away and not yet certain. Pacific Conservation Biology, 1994, 1, 308.	1.0	17
78	The costs and benefits of restoring a continent's terrestrial ecosystems. Journal of Applied Ecology, 2022, 59, 408-419.	4.0	16
79	Salvage of suboptimal prostate seed implantation: Reimplantation of underdosed region of prostate base. Brachytherapy, 2005, 4, 163-170.	0.5	15
80	How far is it to your local? A survey on local provenance use in New South Wales. Ecological Management and Restoration, 2012, 13, 259-266.	1.5	15
81	Climate readiness of recovery plans for threatened Australian species. Conservation Biology, 2019, 33, 534-542.	4.7	15
82	The impact of realistic biophysical parameters for eucalypts on the simulation of the January climate of Australia. Environmental Modelling and Software, 2005, 20, 595-612.	4.5	14
83	The reality of living with AD/HD: children's concern about educational and medical support. Emotional and Behavioural Difficulties, 2007, 12, 69-80.	1.2	14
84	Fuel flammability and fire responses of juvenile canopy species in a temperate rainforest ecosystem. International Journal of Wildland Fire, 2015, 24, 349.	2.4	13
85	A preliminary assessment of changes in plant-dwelling insects when threatened plants are translocated. Journal of Insect Conservation, 2012, 16, 367-377.	1.4	11
86	Testing for taxonomic bias in the future diversity of Australian Odonata. Diversity and Distributions, 2014, 20, 1016-1028.	4.1	11
87	The effectiveness of common thermo-regulatory behaviours in a cool temperate grasshopper. Journal of Thermal Biology, 2015, 52, 75-83.	2.5	11
88	Leaf mining in the Myrtaceae. Ecological Entomology, 2008, 33, 623-630.	2.2	10
89	Potential impacts of climate change on patterns of insect herbivory on understorey plant species: A transplant experiment. Austral Ecology, 2014, 39, 668-676.	1.5	10
90	Fear of the personal: Assessing students in practicum. Australian Social Work, 1996, 49, 33-40.	1.0	9

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91	ASTRO's core physics curriculum for radiation oncology residents. International Journal of Radiation Oncology Biology Physics, 2004, 60, 697-705.	0.8	9
92	Climate Change Impacts on Species Interactions: Assessing the Threat of Cascading Extinctions. , 2012, , 337-359.		9
93	Comparison of invertebrate herbivores on native and nonâ€native <scp>S</scp>enecio species: Implications for the enemy release hypothesis. Austral Ecology, 2015, 40, 503-514.	1.5	9
94	Feeding preferences of the Christmas beetleAnoplognathus chloropyrus(Coleoptera: Scarabaeidae) and four paropsine species (Coleoptera: Chrysomelidae) on selectedEucalyptus grandisclonal foliage. Australian Forestry, 2004, 67, 184-190.	0.9	8
95	ASTROâ€™s 2007 Core Physics Curriculum for Radiation Oncology Residents. International Journal of Radiation Oncology Biology Physics, 2007, 68, 1276-1288.	0.8	8
96	Experimental Manipulation of Melanism Demonstrates the Plasticity of Preferred Temperature in an Agricultural Pest (Phaulacridium vittatum). PLoS ONE, 2013, 8, e80243.	2.5	8
97	Assessing the vulnerability of Australian skinks to climate change. Climatic Change, 2015, 130, 223-233.	3.6	8
98	The Rocky Hill decision: a watershed for climate change action?. Journal of Energy and Natural Resources Law, 2019, 37, 341-351.	0.9	8
99	From pillar to post: Women and social work studies in the 21st century. Australian Social Work, 2001, 54, 67-79.	1.0	6
100	Abundanceâ€“body mass relationships among insects along a latitudinal gradient. Austral Ecology, 2008, 33, 253-260.	1.5	6
101	The American Society for Radiation Oncologyâ€™s 2010 Core Physics Curriculum for Radiation Oncology Residents. International Journal of Radiation Oncology Biology Physics, 2011, 81, 1190-1192.	0.8	6
102	Effects of elevated carbon dioxide (CO2) on flowering traits of three horticultural plant species. Australian Journal of Crop Science, 2016, 10, 1523-1528.	0.3	5
103	Response of extrafloral nectar production to elevated atmospheric carbon dioxide. Australian Journal of Botany, 2018, 66, 479.	0.6	5
104	Measuring the Effectiveness of Frequency Assignment Algorithms. IEEE Transactions on Vehicular Technology, 2007, 56, 331-341.	6.3	4
105	Patterns of insect herbivory on four <scp>A</scp>ustralian understory plant species. Australian Journal of Entomology, 2013, 52, 309-314.	1.1	4
106	The impacts of climate change on Australian and New Zealand flora and fauna. , 2014, , 65-82.		4
107	Reprint of: The effectiveness of common thermo-regulatory behaviours in a cool temperate grasshopper. Journal of Thermal Biology, 2015, 54, 12-19.	2.5	4
108	Catholics and the care of destitute children in late Nineteenth Century New South Wales. Australian Social Work, 1998, 51, 17-25.	1.0	2

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109	AD/HD is a bioâ€psychosocial condition requiring support from integrated services. Emotional and Behavioural Difficulties, 2007, 12, 241-253.	1.2	2
110	Social Care Work in the Recent Past: Revisiting the Professional/Amateur Dichotomy. Australian Social Work, 2008, 61, 226-238.	1.0	2
111	HIV/AIDS Knowledge, Sexual Activity, and Safer Sex Practices Among Female Students in Hong Kong, Australia, and the United States. Journal of HIV/AIDS and Social Services, 2009, 8, 414-429.	0.7	2
112	Reflections on a seminal paper in conservation biology: the legacy of Peters and Darling (1985). Pacific Conservation Biology, 2018, 24, 267.	1.0	2
113	Embedding biodiversity research into climate adaptation policy and practice. Global Change Biology, 2021, 27, 4935-4945.	9.5	2
114	Reply from L. Hughes. Trends in Ecology and Evolution, 2000, 15, 287.	8.7	1
115	Seeking the voices of Catholic Teaching Sisters: challenges in the research process. History of Education Review, 2015, 44, 71-84.	0.4	1
116	The New South Wales Scientific Committee: Assessment procedures and independence. Ecological Management and Restoration, 2009, 10, S140.	1.5	0
117	Roles of family and architecture in driving insect community structure: a comparison of nine Australian plant species. Austral Entomology, 2016, 55, 423-432.	1.4	0
118	Climate change and Australia: Trends, projections and impacts. Austral Ecology, 0, 28, 423-443.	1.5	0