

Richard G Pearson

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

10,114
citations

109311

35
h-index

36025

97
g-index

119
all docs

119
docs citations

119
times ranked

13051
citing authors

#	ARTICLE	IF	CITATIONS
1	ORIGINAL ARTICLE: Predicting species distributions from small numbers of occurrence records: a test case using cryptic geckos in Madagascar. <i>Journal of Biogeography</i> , 2006, 34, 102-117.	3.0	2,346
2	Averting biodiversity collapse in tropical forest protected areas. <i>Nature</i> , 2012, 489, 290-294.	27.8	909
3	Model-based uncertainty in species range prediction. <i>Journal of Biogeography</i> , 2006, 33, 1704-1711.	3.0	804
4	Protected area needs in a changing climate. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 131-138.	4.0	630
5	Shifts in Arctic vegetation and associated feedbacks under climate change. <i>Nature Climate Change</i> , 2013, 3, 673-677.	18.8	603
6	Climate change and the migration capacity of species. <i>Trends in Ecology and Evolution</i> , 2006, 21, 111-113.	8.7	322
7	Biotic interactions improve prediction of boreal bird distributions at macro-scales. <i>Global Ecology and Biogeography</i> , 2007, 16, 754-763.	5.8	306
8	Extinction vulnerability of tropical montane endemism from warming and upslope displacement: a preliminary appraisal for the highest massif in Madagascar. <i>Global Change Biology</i> , 2008, 14, 1703-1720.	9.5	273
9	A global experiment suggests climate warming will not accelerate litter decomposition in streams but might reduce carbon sequestration. <i>Ecology Letters</i> , 2011, 14, 289-294.	6.4	256
10	Global warming, elevational ranges and the vulnerability of tropical biota. <i>Biological Conservation</i> , 2011, 144, 548-557.	4.1	185
11	Plant extinction risk under climate change: are forecast range shifts alone a good indicator of species vulnerability to global warming?. <i>Global Change Biology</i> , 2012, 18, 1357-1371.	9.5	182
12	Food webs in tropical Australian streams: shredders are not scarce. <i>Freshwater Biology</i> , 2005, 50, 748-769.	2.4	162
13	Global distribution of a key trophic guild contrasts with common latitudinal diversity patterns. <i>Ecology</i> , 2011, 92, 1839-1848.	3.2	162
14	Combining static and dynamic variables in species distribution models under climate change. <i>Methods in Ecology and Evolution</i> , 2012, 3, 349-357.	5.2	135
15	Are tropical streams really different?. <i>Journal of the North American Benthological Society</i> , 2009, 28, 397-403.	3.1	114
16	Gut content and stable isotope analyses provide complementary understanding of ontogenetic dietary shifts and trophic relationships among fishes in a tropical river. <i>Freshwater Biology</i> , 2012, 57, 2156-2172.	2.4	114
17	Global patterns of stream detritivore distribution: implications for biodiversity loss in changing climates. <i>Global Ecology and Biogeography</i> , 2012, 21, 134-141.	5.8	114
18	Historical rainforest contractions, localized extinctions and patterns of vertebrate endemism in the rainforests of Australia's wet tropics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 709-716.	2.6	106

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19	Are Tropical Streams Ecologically Different from Temperate Streams?. , 2008, , 257-284.		101
20	Shredders in Malaysia: abundance and richness are higher in cool upland tropical streams. Journal of the North American Benthological Society, 2009, 28, 404-415.	3.1	95
21	Biotic and abiotic variables influencing plant litter breakdown in streams: a global study. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152664.	2.6	86
22	Modelling wetland connectivity during overbank flooding in a tropical floodplain in north Queensland, Australia. Hydrological Processes, 2012, 26, 2710-2723.	2.6	82
23	Factors affecting litter processing by <i>Anisocentropus kirramus</i> (Trichoptera: Calamoceratidae) from an Australian tropical rainforest stream. Freshwater Biology, 1993, 29, 469-479.	2.4	67
24	Ecosystem health of the Great Barrier Reef: Time for effective management action based on evidence. Estuarine, Coastal and Shelf Science, 2016, 183, 438-451.	2.1	67
25	Gradients in regional diversity of freshwater taxa. Journal of the North American Benthological Society, 2009, 28, 504-514.	3.1	62
26	Genetic differentiation among populations of <i>Caridina zebra</i> (Decapoda: Atyidae) in tropical rainforest streams, northern Australia. Freshwater Biology, 1996, 36, 289-296.	2.4	60
27	Review and conceptual models of agricultural impacts and water quality in waterways of the Great Barrier Reef catchment area. Marine and Freshwater Research, 2017, 68, 1.	1.3	54
28	Leaf litter diversity and shredder preferences in an Australian tropical rain-forest stream. Journal of Tropical Ecology, 2007, 23, 219-229.	1.1	53
29	Riparian plant litter quality increases with latitude. Scientific Reports, 2017, 7, 10562.	3.3	53
30	Diets of leaf litter-associated invertebrates in three tropical streams. Annales De Limnologie, 2012, 48, 139-144.	0.6	49
31	The effect of fine sedimentation on tropical stream macroinvertebrate assemblages: a comparison using flow-through artificial stream channels and recirculating mesocosms. Hydrobiologia, 2007, 592, 423-438.	2.0	48
32	Omnivory and opportunism characterize food webs in a large dry-tropics river system. Freshwater Science, 2014, 33, 142-158.	1.8	47
33	Leaf-litter breakdown in tropical streams: is variability the norm?. Freshwater Science, 2015, 34, 759-769.	1.8	46
34	Water quality variation along streams with similar agricultural development but contrasting riparian vegetation. Agriculture, Ecosystems and Environment, 2015, 213, 11-20.	5.3	42
35	Seasonal flooding, instream habitat structure and fish assemblages in the Mulgrave River, north-east Queensland: towards a new conceptual framework for understanding fish-habitat dynamics in small tropical rivers. Marine and Freshwater Research, 2008, 59, 97.	1.3	41
36	How biological diversity influences ecosystem function: a test with a tropical stream detritivore guild. Ecological Research, 2007, 22, 551-558.	1.5	37

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37	Local Variation in Shredder Distribution can Explain their Oversight in Tropical Streams. <i>Biotropica</i> , 2009, 41, 625-632.	1.6	37
38	Interactions between large and small detritivores influence how biodiversity impacts litter decomposition. <i>Journal of Animal Ecology</i> , 2018, 87, 1465-1474.	2.8	36
39	Ontogenetic development of intestinal length and relationships to diet in an Australasian fish family (Terapontidae). <i>BMC Evolutionary Biology</i> , 2013, 13, 53.	3.2	35
40	Elevational gradients in species abundance, assemblage structure and energy use of rainforest birds in the Australian Wet Tropics bioregion. <i>Austral Ecology</i> , 2010, 35, 650-664.	1.5	34
41	Effects of exotic riparian vegetation on leaf breakdown by shredders: a tropical–temperate comparison. <i>Freshwater Science</i> , 2012, 31, 296-303.	1.8	34
42	Fresh Waters and Fish Diversity: Distribution, Protection and Disturbance in Tropical Australia. <i>PLoS ONE</i> , 2011, 6, e25846.	2.5	33
43	Impacts of detritivore diversity loss on instream decomposition are greatest in the tropics. <i>Nature Communications</i> , 2021, 12, 3700.	12.8	33
44	Gondwanan mesotherms and cosmopolitan eurytherms: effects of temperature on the development and survival of Australian Chironomidae (Diptera) from tropical and temperate populations. <i>Marine and Freshwater Research</i> , 2004, 55, 759.	1.3	32
45	Modelling hydrological connectivity of tropical floodplain wetlands via a combined natural and artificial stream network. <i>Hydrological Processes</i> , 2014, 28, 5696-5710.	2.6	32
46	Biodiversity values of remnant freshwater floodplain lagoons in agricultural catchments: evidence for fish of the Wet Tropics bioregion, northern Australia. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2015, 25, 336-352.	2.0	32
47	Effects of diversity loss on ecosystem function across trophic levels and ecosystems: A test in a detritus-based tropical food web. <i>Austral Ecology</i> , 2008, 33, 301-306.	1.5	31
48	Sink or swim? Potential for high faunal turnover in Australian rivers under climate change. <i>Journal of Biogeography</i> , 2017, 44, 489-501.	3.0	31
49	Aseasonality of benthic invertebrates in a tropical stream on Bougainville Island, Papua New Guinea. <i>Archiv für Hydrobiologie</i> , 1996, 137, 95-117.	1.1	30
50	Leaf breakdown in tropical streams: the role of different species in ecosystem functioning. <i>Archiv für Hydrobiologie</i> , 2006, 166, 453-466.	1.1	29
51	Spatio-temporal dynamics of fish feeding in the lower Mulgrave River, north-eastern Queensland: the influence of seasonal flooding, instream productivity and invertebrate abundance. <i>Marine and Freshwater Research</i> , 2009, 60, 97.	1.3	29
52	Intraspecific interference in a tropical stream shredder guild. <i>Marine and Freshwater Research</i> , 2006, 57, 201.	1.3	28
53	Ecology of streams in a biogeographic isolate—the Queensland Wet Tropics, Australia. <i>Freshwater Science</i> , 2015, 34, 797-819.	1.8	27
54	Latitude dictates plant diversity effects on instream decomposition. <i>Science Advances</i> , 2021, 7, .	10.3	27

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55	The effects of dredging operations on the benthic community of a chalk stream. <i>Biological Conservation</i> , 1975, 8, 273-278.	4.1	26
56	Does biogeographical history matter? Diversity and distribution of lotic midges (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,702 Td (1.5	26
57	Stream nitrogen concentration, but not plant N-fixing capacity, modulates litter diversity effects on decomposition. <i>Functional Ecology</i> , 2017, 31, 1471-1481.	3.6	26
58	Biotic vs. Abiotic Control of Decomposition: A Comparison of the Effects of Simulated Extinctions and Changes in Temperature. <i>PLoS ONE</i> , 2014, 9, e87426.	2.5	26
59	Shredder-tadpole facilitation of leaf litter decomposition in a tropical stream. <i>Freshwater Biology</i> , 2009, 54, 2573-2580.	2.4	25
60	Life history studies of <i>Anisocentropus kirramusneboiss</i> (trichoptera: Calamoceratidae) in a tropical Australian rainforest stream. <i>Aquatic Insects</i> , 1992, 14, 213-221.	0.9	24
61	Early development and growth of the eastern rainbowfish, <i>Melanotaenia splendida splendida</i> (Peters). I. Morphogenesis and ontogeny. <i>Marine and Freshwater Research</i> , 2003, 54, 17.	1.3	23
62	Coarse-filter surrogates do not represent freshwater fish diversity at a regional scale in Queensland, Australia. <i>Biological Conservation</i> , 2011, 144, 2499-2511.	4.1	22
63	Macroinvertebrate assemblages in rivers of the Australian dry tropics are highly variable. <i>Freshwater Science</i> , 2012, 31, 865-881.	1.8	22
64	Sublethal effects of fluctuating hypoxia on juvenile tropical Australian freshwater fish. <i>Marine and Freshwater Research</i> , 2015, 66, 293.	1.3	22
65	Effects of a predatory fish on a tropical detritus-based food web. <i>Ecological Research</i> , 2008, 23, 649-655.	1.5	21
66	Immigrants and refugees: the importance of dispersal in mediating biotic attrition under climate change. <i>Global Change Biology</i> , 2012, 18, 2126-2134.	9.5	21
67	Latitudinal gradient of nestedness and its potential drivers in stream detritivores. <i>Ecography</i> , 2015, 38, 949-955.	4.5	19
68	Riparian vegetation and sediment gradients determine invertebrate diversity in streams draining an agricultural landscape. <i>Agriculture, Ecosystems and Environment</i> , 2016, 221, 163-173.	5.3	19
69	Stream macroinvertebrate assemblage uniformity and drivers in a tropical bioregion. <i>Freshwater Biology</i> , 2017, 62, 544-558.	2.4	19
70	Fish larvae and recruitment patterns in floodplain lagoons of the Australian Wet Tropics. <i>Marine and Freshwater Research</i> , 2017, 68, 964.	1.3	19
71	Current Analogues of Future Climate Indicate the Likely Response of a Sensitive Montane Tropical Avifauna to a Warming World. <i>PLoS ONE</i> , 2013, 8, e69393.	2.5	18
72	Dynamics of Invertebrate Diversity in a Tropical Stream. <i>Diversity</i> , 2014, 6, 771-791.	1.7	18

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73	Trophic ecology of terapontid fishes (Pisces: Terapontidae): the role of morphology and ontogeny. <i>Marine and Freshwater Research</i> , 2012, 63, 128.	1.3	16
74	Hydrology, hydraulics and scale influence macroinvertebrate responses to disturbance in tropical streams. <i>Journal of Freshwater Ecology</i> , 2018, 33, 1-17.	1.2	16
75	Crayfish process leaf litter in tropical streams even when shredding insects are common. <i>Marine and Freshwater Research</i> , 2010, 61, 541.	1.3	14
76	Acute and Postexposure Effects of Ammonia Toxicity on Juvenile Barramundi (<i>Lates calcarifer</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	4.1	13
77	Spatial and temporal variation of stream communities in a human-affected tropical watershed. <i>Annales De Limnologie</i> , 2010, 46, 149-156.	0.6	13
78	Mossy stones gather more bugs: moss as habitat, nurseries and refugia for tropical stream invertebrates. <i>Hydrobiologia</i> , 2017, 790, 167-182.	2.0	13
79	Food web dynamics in an Australian Wet Tropics river. <i>Marine and Freshwater Research</i> , 2010, 61, 909.	1.3	12
80	Informing conservation units: barriers to dispersal for the yellow anaconda. <i>Diversity and Distributions</i> , 2013, 19, 1164-1174.	4.1	12
81	Intermittent Pool Beds Are Permanent Cyclic Habitats with Distinct Wet, Moist and Dry Phases. <i>PLoS ONE</i> , 2014, 9, e108203.	2.5	12
82	Patterns of flow, leaf litter and shredder abundance in a tropical stream. <i>Hydrobiologia</i> , 2019, 826, 353-365.	2.0	12
83	Contrasting intraspecific dietary shifts in two terapontid assemblages from Australia's wet-dry tropics. <i>Ecology of Freshwater Fish</i> , 2012, 21, 42-56.	1.4	11
84	Fresh waters and estuaries of the Great Barrier Reef catchment: Effects and management of anthropogenic disturbance on biodiversity, ecology and connectivity. <i>Marine Pollution Bulletin</i> , 2021, 166, 112194.	5.0	11
85	Early development and growth of the eastern rainbowfish, <i>Melanotaenia splendida splendida</i> (Peters). II. Otolith development, increment validation and larval growth. <i>Marine and Freshwater Research</i> , 2003, 54, 105.	1.3	10
86	Environmental variation and the predator-specific responses of tropical stream insects: effects of temperature and predation on survival and development of Australian Chironomidae (Diptera). <i>Oecologia</i> , 2006, 149, 328-339.	2.0	10
87	Sprouting and genetic structure vary with flood disturbance in the tropical riverine paperbark tree, <i>Melaleuca leucadendra</i> (Myrtaceae). <i>American Journal of Botany</i> , 2013, 100, 2250-2260.	1.7	10
88	Evidence for a multi-peak adaptive landscape in the evolution of trophic morphology in terapontid fishes. <i>Biological Journal of the Linnean Society</i> , 2014, 113, 623-634.	1.6	10
89	Spatiotemporal variability and environmental determinants of invertebrate assemblage structure in an Australian dry-tropical river. <i>Freshwater Science</i> , 2015, 34, 634-647.	1.8	10
90	Examination of factors potentially affecting riparian bird assemblages in a tropical Queensland savanna. <i>Ecological Management and Restoration</i> , 2006, 7, 141-144.	1.5	9

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91	Big floods, big knowledge gap: Food web dynamics in a variable river system. <i>Ecology of Freshwater Fish</i> , 2018, 27, 898-909.	1.4	9
92	Reproduction and embryo viability of a range-limited tropical freshwater fish exposed to fluctuating hypoxia. <i>Marine and Freshwater Research</i> , 2018, 69, 267.	1.3	9
93	Temporal dynamics of fish assemblages in small seasonal streams in the Queensland tropics. <i>Australian Journal of Zoology</i> , 2008, 56, 65.	1.0	8
94	High within-stream replication is needed to predict litter fluxes in wet-dry tropical streams. <i>Freshwater Biology</i> , 2020, 65, 688-697.	2.4	8
95	Effects of an adaptive zone shift on morphological and ecological diversification in terapontid fishes. <i>Evolutionary Ecology</i> , 2014, 28, 205-227.	1.2	7
96	Population and Community Body Size Structure Across a Complex Environmental Gradient. <i>Advances in Ecological Research</i> , 2015, , 115-167.	2.7	7
97	Tadpole species have variable roles in litter breakdown, sediment removal, and nutrient cycling in a tropical stream. <i>Freshwater Science</i> , 2019, 38, 103-112.	1.8	7
98	Use of aquatic plants to create fluctuating hypoxia in an experimental environment. <i>Marine and Freshwater Research</i> , 2012, 63, 351.	1.3	6
99	Water-quality variability in dryland riverine waterholes: a challenge for ecosystem assessment. <i>Annales De Limnologie</i> , 2017, 53, 221-232.	0.6	6
100	Diversity of Invertebrates in Wet Tropics Streams: Patterns and Processes. , 2009, , 161-177.		5
101	Invertebrate responses to land use in tropical streams: discrimination of impacts enhanced by analysis of discrete areas. <i>Marine and Freshwater Research</i> , 2019, 70, 563.	1.3	5
102	Dynamics of organic material and invertebrates in a tropical headwater stream. <i>Hydrobiologia</i> , 2020, 847, 121-136.	2.0	5
103	Drivers of zooplankton dynamics in a small tropical lowland river. <i>Marine and Freshwater Research</i> , 2021, 72, 173.	1.3	5
104	Multi-Scale Biophysical Factors Driving Litter Dynamics in Streams. , 2021, , 7-21.		5
105	Identifying Stream Invertebrates as Plant Litter Consumers. , 2020, , 455-464.		5
106	Catchment to Reef: Water Quality and Ecosystem Health in Tropical Streams. , 2009, , 557-576.		4
107	Integrating freshwater wetland science into planning for Great Barrier Reef sustainability. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 1727-1733.	2.0	4
108	Water-quality and ecosystem impacts of recreation in streams: Monitoring and management. <i>Environmental Challenges</i> , 2021, 5, 100328.	4.2	4

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109	Colonisation, emigration and equilibrium of stream invertebrates in patchy habitats. <i>Freshwater Biology</i> , 2018, 63, 1446-1456.	2.4	3
110	Seasonal, annual and decadal change in tadpole populations in tropical Australian streams. <i>Amphibia - Reptilia</i> , 2019, 40, 447-459.	0.5	2
111	Enhancing whole-of-river conservation. <i>Marine and Freshwater Research</i> , 2022, 73, 729-741.	1.3	2
112	Phytoplankton in dryland riverine waterholes: environmental drivers, variability and ecosystem-monitoring potential using different levels of taxonomic resolution and dataset reduction. <i>Marine and Freshwater Research</i> , 2021, 72, 244.	1.3	1
113	The bird communities of dry rainforests and surrounding woodlands in north Queensland. , 2004, , 474-492.		1
114	Do constrained immigration rates and high \hat{I}^2 diversity explain contrasting productivityâ€“diversity patterns measured at different scales?. <i>Oecologia</i> , 2020, 194, 481-490.	2.0	0
115	Effects of gamma irradiation on instream leaf litter decomposition. <i>Hydrobiologia</i> , 2021, 848, 5223-5232.	2.0	0
116	Australiaâ€™s Wet Tropics Streams, Rivers, and Floodplain Wetlands. , 2016, , 1-11.		0
117	Australiaâ€™s Wet Tropics Streams, Rivers, and Floodplain Wetlands. , 2016, , 1-11.		0
118	Australiaâ€™s Wet Tropics Streams, Rivers, and Floodplain Wetlands. , 2018, , 1941-1950.		0