

# Kevin C Burns

## List of Publications by Year in descending order

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114  
papers

3,036  
citations

159585

30  
h-index

206112

48  
g-index

122  
all docs

122  
docs citations

122  
times ranked

2973  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wild psychometrics: evidence for "general" cognitive performance in wild New Zealand robins, <i>Petroica longipes</i> . <i>Animal Behaviour</i> , 2015, 109, 101-111.	1.9	148
2	Ontogenetic colour changes in an insular tree species: signalling to extinct browsing birds?. <i>New Phytologist</i> , 2009, 184, 495-501.	7.3	111
3	A unified analysis of niche overlap incorporating data of different types. <i>Methods in Ecology and Evolution</i> , 2011, 2, 175-184.	5.2	106
4	Adaptive numerical competency in a food-hoarding songbird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 2373-2379.	2.6	105
5	Large quantity discrimination by North Island robins ( <i>Petroica longipes</i> ). <i>Animal Cognition</i> , 2012, 15, 1129-1140.	1.8	94
6	Scale and macroecological patterns in seed dispersal mutualisms. <i>Global Ecology and Biogeography</i> , 2004, 13, 289-293.	5.8	92
7	Global patterns in fruiting seasons. <i>Global Ecology and Biogeography</i> , 2008, 17, 648-657.	5.8	88
8	Network properties of an epiphyte metacommunity. <i>Journal of Ecology</i> , 2007, 95, 1142-1151.	4.0	82
9	A hierarchical framework for investigating epiphyte assemblages: networks, meta-communities, and scale. <i>Ecology</i> , 2010, 91, 377-385.	3.2	79
10	What causes size coupling in fruit-frugivore interaction webs?. <i>Ecology</i> , 2013, 94, 295-300.	3.2	73
11	Foliage color contrasts and adaptive fruit color variation in a bird-dispersed plant community. <i>Oikos</i> , 2002, 96, 463-469.	2.7	70
12	Geographic patterns in fruit colour diversity: do leaves constrain the colour of fleshy fruits?. <i>Oecologia</i> , 2009, 159, 337-343.	2.0	65
13	Seed Dispersal by Weta. <i>Science</i> , 2006, 311, 1575-1575.	12.6	56
14	The small-island effect: fact or artefact?. <i>Ecography</i> , 2009, 32, 269-276.	4.5	56
15	Is crypsis a common defensive strategy in plants? Speculation on signal deception in the New Zealand flora. <i>Plant Signaling and Behavior</i> , 2010, 5, 9-13.	2.4	56
16	Patterns in the diversity and distribution of epiphytes and vines in a New Zealand forest. <i>Austral Ecology</i> , 2005, 30, 883-891.	1.5	52
17	The repeated evolution of large seeds on islands. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140675.	2.6	52
18	At a loss for birds: insularity increases asymmetry in seed dispersal networks. <i>Global Ecology and Biogeography</i> , 2014, 23, 385-394.	5.8	52

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19	Are there general patterns in plant defence against megaherbivores?. <i>Biological Journal of the Linnean Society</i> , 2014, 111, 38-48.	1.6	52
20	Seed dispersal facilitation and geographic consistency in bird-fruit abundance patterns. <i>Global Ecology and Biogeography</i> , 2002, 11, 253-259.	5.8	49
21	Epiphyte community development throughout tree ontogeny: an island ontogeny framework. <i>Journal of Vegetation Science</i> , 2015, 26, 902-910.	2.2	49
22	Network properties of arboreal plants: Are epiphytes, mistletoes and lianas structured similarly?. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2009, 11, 41-52.	2.7	45
23	Plants obey (and disobey) the island rule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17632-17634.	7.1	43
24	Apparency revisited. <i>Entomologia Experimentalis Et Applicata</i> , 2015, 157, 74-85.	1.4	42
25	Evolutionary size changes in plants of the south-west Pacific. <i>Global Ecology and Biogeography</i> , 2012, 21, 819-828.	5.8	41
26	Patterns in specific leaf area and the structure of a temperate heath community. <i>Diversity and Distributions</i> , 2004, 10, 105-112.	4.1	39
27	Memory Performance Influences Male Reproductive Success in a Wild Bird. <i>Current Biology</i> , 2019, 29, 1498-1502.e3.	3.9	38
28	A simple null model predicts fruit-frugivore interactions in a temperate rainforest. <i>Oikos</i> , 2006, 115, 427-432.	2.7	37
29	Plant extinction dynamics in an insular metacommunity. <i>Oikos</i> , 2009, 118, 191-198.	2.7	35
30	Cache spacing patterns and reciprocal cache theft in New Zealand robins. <i>Animal Behaviour</i> , 2007, 73, 1043-1049.	1.9	32
31	Time to abandon the loss of dispersal ability hypothesis in island plants: A comment on Garca-Verdugo, Mairal, Monroy, Sajevea and Caujape-Castells (2017). <i>Journal of Biogeography</i> , 2018, 45, 1219-1222.	3.0	32
32	Hiding from the Ghost of Herbivory Past: Evidence for Crypsis in an Insular Tree Species. <i>International Journal of Plant Sciences</i> , 2010, 171, 828-833.	1.3	31
33	Size changes in island plants: independent trait evolution in <i>Alyxia ruscifolia</i> (Apocynaceae) on Lord Howe Island. <i>Biological Journal of the Linnean Society</i> , 2016, 119, 847-855.	1.6	31
34	Predicting network topology of mistletoe-host interactions: do mistletoes really mimic their hosts?. <i>Oikos</i> , 2012, 121, 761-771.	2.7	30
35	A multi-scale test for dispersal filters in an island plant community. <i>Ecography</i> , 2005, 28, 552-560.	4.5	28
36	Phenotypic trait matching predicts the topology of an insular plant-bird pollination network. <i>Integrative Zoology</i> , 2018, 13, 339-347.	2.6	27

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37	A morphological comparison of leaf heteroblasty between New Caledonia and New Zealand. <i>New Zealand Journal of Botany</i> , 2006, 44, 387-396.	1.1	25
38	Avian frugivory in <i>Miconia</i> (Melastomataceae): contrasting fruiting times promote habitat complementarity between savanna and palm swamp. <i>Journal of Tropical Ecology</i> , 2013, 29, 99-109.	1.1	25
39	Spinescence in the New Zealand flora: parallels with Australia. <i>New Zealand Journal of Botany</i> , 2016, 54, 273-289.	1.1	25
40	Native–exotic richness relationships: a biogeographic approach using turnover in island plant populations. <i>Ecology</i> , 2016, 97, 2932-2938.	3.2	25
41	Community-wide character displacement in barnacles: a new perspective for past observations. <i>Ecology Letters</i> , 2003, 7, 114-120.	6.4	24
42	Composition patterns and network structure of epiphyte–host interactions in Chilean and New Zealand temperate forests. <i>New Zealand Journal of Botany</i> , 2016, 54, 204-222.	1.1	24
43	Is there limiting similarity in the phenology of fleshy fruits?. <i>Journal of Vegetation Science</i> , 2005, 16, 617-624.	2.2	23
44	Meta-community structure of vascular epiphytes in a temperate rainforest. <i>Botany</i> , 2008, 86, 1252-1259.	1.0	23
45	Patterns in the assembly of an island plant community. <i>Journal of Biogeography</i> , 2006, 34, 760-768.	3.0	22
46	A Theory of Island Biogeography for Exotic Species. <i>American Naturalist</i> , 2015, 186, 441-451.	2.1	22
47	Potential aposematism in an insular tree species: are signals dishonest early in ontogeny?. <i>Biological Journal of the Linnean Society</i> , 2016, 118, 951-958.	1.6	21
48	Convergent evolution of gigantism in the flora of an isolated archipelago. <i>Evolutionary Ecology</i> , 2017, 31, 741-752.	1.2	20
49	Independent evolution of allometric traits: a test of the allometric constraint hypothesis in island vines. <i>Biological Journal of the Linnean Society</i> , 2019, 126, 203-211.	1.6	20
50	Broad-scale reciprocity in an avian seed dispersal mutualism. <i>Global Ecology and Biogeography</i> , 2003, 12, 421-426.	5.8	19
51	Seasonal variation in male-female competition, cooperation and selfish hoarding in a monogamous songbird. <i>Behavioral Ecology and Sociobiology</i> , 2008, 62, 1175-1183.	1.4	19
52	How arboreal are epiphytes? A null model for Benzing's classifications. <i>New Zealand Journal of Botany</i> , 2010, 48, 185-191.	1.1	19
53	Allometry of Sexual Size Dimorphism in Dioecious Plants: Do Plants Obey Rensch's Rule?. <i>American Naturalist</i> , 2011, 178, 596-601.	2.1	19
54	An alternative water transport system in land plants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180995.	2.6	19

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55	Plastic heteroblasty in beach groundsel ( <i>Senecio lautus</i> ). New Zealand Journal of Botany, 2005, 43, 665-672.	1.1	18
56	Masting in a temperate tree: Evidence for environmental prediction?. Austral Ecology, 2012, 37, 175-182.	1.5	17
57	Seed dispersal effectiveness increases with body size in New Zealand alpine scree weta ( <i>Deinacrida</i> ). <a href="https://doi.org/10.1007/s10841-011-9517-0">Tj ETQq1 1 0,784314 pgBT /O</a>	1.5	17
58	What weta want: colour preferences of a frugivorous insect. Arthropod-Plant Interactions, 2010, 4, 267-276.	1.1	16
59	Mistletoe macroecology: spatial patterns in species diversity and host use across Australia. Biological Journal of the Linnean Society, 2012, 106, 459-468.	1.6	16
60	The color of plant reproduction: macroecological trade-offs between biotic signaling and abiotic tolerance. Frontiers in Ecology and Evolution, 2015, 3, .	2.2	16
61	Dominance rank influences food hoarding in New Zealand Robins <i>Petroica australis</i> . Ibis, 2006, 148, 266-272.	1.9	15
62	Fruit-herbivore interactions in two southern hemisphere forests: allometry, phylogeny and body size. Oikos, 2009, 118, 1901-1907.	2.7	15
63	Liana co-occurrence patterns in a temperate rainforest. Journal of Vegetation Science, 2011, 22, 868-877.	2.2	15
64	Relationships between the demography and distribution of two bird-dispersed plants in an island archipelago. Journal of Biogeography, 2004, 31, 1935-1943.	3.0	14
65	Sexual differences in food re-caching by New Zealand robins <i>Petroica australis</i> . Journal of Avian Biology, 2007, 38, 394-398.	1.2	14
66	Scale-dependent trait correlations in a temperate tree community. Austral Ecology, 2009, 34, 670-677.	1.5	13
67	Body size determines rates of seed dispersal by giant king crickets. Population Ecology, 2011, 53, 73-80.	1.2	13
68	Memory for Multiple Cache Locations and Prey Quantities in a Food-Hoarding Songbird. Frontiers in Psychology, 2012, 3, 584.	2.1	13
69	Vertical gradients in leaf trait diversity in a New Zealand forest. Trees - Structure and Function, 2009, 23, 339-346.	1.9	12
70	Tree diversity on islands: assembly rules, passive sampling and the theory of island biogeography. Journal of Biogeography, 2010, 37, 1876-1883.	3.0	12
71	The ontogeny of leaf spines: progressive versus retrogressive heteroblasty in two New Zealand plant species. New Zealand Journal of Botany, 2015, 53, 15-23.	1.1	12
72	Sexual size dimorphism in island plants: the niche variation hypothesis and insular size changes. Oikos, 2015, 124, 717-723.	2.7	12

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73	A simple null model predicts the island rule. <i>Ecology Letters</i> , 2021, 24, 1646-1654.	6.4	12
74	Vocal ethology of the North Island kaka ( <i>Nestor meridionalis septentrionalis</i> ). <i>New Zealand Journal of Zoology</i> , 2007, 34, 337-345.	1.1	11
75	Is tree diversity different in the Southern Hemisphere?. <i>Journal of Vegetation Science</i> , 2007, 18, 307-312.	2.2	11
76	Sampling Effects and Host Ranges in Australian Mistletoes. <i>Biotropica</i> , 2009, 41, 656-658.	1.6	11
77	Viewpoint: Wild number sense in brood parasitic Brown-headed Cowbirds. <i>Ibis</i> , 2009, 151, 775-777.	1.9	10
78	Effects of bi-colored displays on avian fruit color preferences in a color polymorphic plant1. <i>Journal of the Torrey Botanical Society</i> , 2005, 132, 505-509.	0.3	9
79	Community-wide character displacement in New Zealand skinks. <i>Journal of Biogeography</i> , 2007, 34, 2139-2147.	3.0	9
80	Comparative ecology of bird-pollinated and bird-dispersed New Zealand plants. <i>New Zealand Journal of Botany</i> , 2013, 51, 206-212.	1.1	9
81	Wild robins ( <i>Petroica longipes</i> ) respond to human gaze. <i>Animal Cognition</i> , 2014, 17, 1149-1156.	1.8	9
82	Disturbance and diversity in a continental archipelago: a mechanistic framework linking area, height, and exposure. <i>Ecosphere</i> , 2017, 8, e01957.	2.2	8
83	Fine-scale food hoarding decisions in New Zealand Robins ( <i>Petroica australis</i> ): is inter-sexual competition important?. <i>Journal of Ornithology</i> , 2009, 150, 321-328.	1.1	7
84	Radial distributions of air plants: a comparison between epiphytes and mistletoes. <i>Ecology</i> , 2016, 97, 819-825.	3.2	7
85	Male New Zealand robins ( <i>Petroica longipes</i> ) cater to their mate's desire when sharing food in the wild. <i>Scientific Reports</i> , 2017, 7, 896.	3.3	7
86	Similar yet distinct distributional patterns characterize native and exotic plant species richness across northern New Zealand islands. <i>Journal of Biogeography</i> , 2021, 48, 1731-1745.	3.0	7
87	The Ability of North Island Robins to Discriminate between Humans Is Related to Their Behavioural Type. <i>PLoS ONE</i> , 2013, 8, e64487.	2.5	7
88	Abundance-age-area relationships in an insular plant community. <i>Folia Geobotanica</i> , 2005, 40, 331-340.	0.9	5
89	Dominant network interactions are not correlated with resource availability: a case study using mistletoe host interactions. <i>Oikos</i> , 2013, 122, 889-895.	2.7	5
90	Drivers of aggregation in a novel arboreal parasite: the influence of host size and infra-populations. <i>International Journal for Parasitology</i> , 2015, 45, 197-202.	3.1	5

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91	Differences in Defence. , 2019, , 43-84.		5
92	Parasiteâ€œoffspring competition for female resources can explain male-biased parasitism in plants. <i>Biology Letters</i> , 2019, 15, 20180761.	2.3	5
93	The paradox of island evolution. <i>Journal of Biogeography</i> , 2022, 49, 248-253.	3.0	5
94	Host defence predicts host specificity in a long-lived arboreal parasite. <i>Evolutionary Ecology</i> , 2017, 31, 37-50.	1.2	4
95	Adaptive advantages of appearance: predation, thermoregulation, and color of webbing built by New Zealand's largest moth. <i>Ecology</i> , 2017, 98, 1324-1333.	3.2	4
96	Facultative hemiepiphytism as a recruitment strategy in small-seeded tree species. <i>Journal of Vegetation Science</i> , 2020, 31, 1100-1111.	2.2	4
97	Evaluating Frugivore-fruit Interactions Using Avian Eye Modelling. <i>Tropical Life Sciences Research</i> , 2013, 24, 31-50.	0.9	4
98	Do fruit reflectance properties affect avian frugivory in New Zealand?. <i>New Zealand Journal of Botany</i> , 2022, 60, 319-329.	1.1	4
99	Fish distributions along depth gradients of a sea mountain range conform to the mid-domain effect. <i>Ecography</i> , 2012, 35, 557-565.	4.5	3
100	Primitive eusociality in a land plant?. <i>Ecology</i> , 2021, 102, e03373.	3.2	3
101	Seed Dispersal: The Blind Bomb Maker. <i>Current Biology</i> , 2012, 22, R535-R537.	3.9	2
102	Spatial ecology and host diversity of three arboreal plants from Lord Howe Island. <i>Australian Journal of Botany</i> , 2020, 68, 458.	0.6	2
103	When an enemy of an enemy is not a friend: Tri-trophic interactions between <i>ĀkĀ</i> , puriri moths and makomako trees. <i>New Zealand Journal of Ecology</i> , 2020, 44, .	1.1	2
104	Building a better future for Diversity & Distributions. <i>Diversity and Distributions</i> , 2019, 25, 1010-1011.	4.1	1
105	Gender dimorphism in the virulence of a dioecious mistletoe. <i>International Journal for Parasitology</i> , 2021, 51, 985-987.	3.1	1
106	Minimal models provide maximally parsimonious explanations. <i>Ecology Letters</i> , 2021, 24, 2524-2525.	6.4	1
107	Functional traits explain non-native plant species richness and occupancy on northern New Zealand islands. <i>Biological Invasions</i> , 0, , 1.	2.4	1
108	Chatter-call harmonics in the North Island Saddleback: do they play a role in ranging?. <i>Emu</i> , 2013, 113, 161-167.	0.6	0

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109	Reproductive Biology. , 2019, , 109-130.		0
110	Loss of Fire-Adapted Traits. , 2019, , 156-170.		0
111	Size Changes. , 2019, , 131-155.		0
112	Differences in Dispersal. , 2019, , 85-108.		0
113	Reply to Brian and Walker-Hale: Support for the island rule does not hide morphological disparity in insular plants. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24931-24932.	7.1	0
114	On the selective advantage of coloniality in staghorn ferns ( <i>Platycerium bifurcatum</i> , Polypodiaceae). Plant Signaling and Behavior, 2021, 16, 1961063.	2.4	0