

Marti J Anderson

List of Publications by Year in descending order

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124
papers

36,236
citations

41344

49
h-index

21540

114
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130
all docs

130
docs citations

130
times ranked

36904
citing authors

#	ARTICLE	IF	CITATIONS
1	A new method for non-parametric multivariate analysis of variance. <i>Austral Ecology</i> , 2001, 26, 32-46.	1.5	5,247
2	A new method for non-parametric multivariate analysis of variance. <i>Austral Ecology</i> , 2001, 26, 32-46.	1.5	4,283
3	FITTING MULTIVARIATE MODELS TO COMMUNITY DATA: A COMMENT ON DISTANCE-BASED REDUNDANCY ANALYSIS. <i>Ecology</i> , 2001, 82, 290-297.	3.2	3,092
4	Distance-Based Tests for Homogeneity of Multivariate Dispersions. <i>Biometrics</i> , 2006, 62, 245-253.	1.4	2,300
5	DISTANCE-BASED REDUNDANCY ANALYSIS: TESTING MULTISPECIES RESPONSES IN MULTIFACTORIAL ECOLOGICAL EXPERIMENTS. <i>Ecological Monographs</i> , 1999, 69, 1-24.	5.4	2,036
6	CANONICAL ANALYSIS OF PRINCIPAL COORDINATES: A USEFUL METHOD OF CONSTRAINED ORDINATION FOR ECOLOGY. <i>Ecology</i> , 2003, 84, 511-525.	3.2	2,003
7	Multivariate dispersion as a measure of beta diversity. <i>Ecology Letters</i> , 2006, 9, 683-693.	6.4	1,957
8	Navigating the multiple meanings of β^2 diversity: a roadmap for the practicing ecologist. <i>Ecology Letters</i> , 2011, 14, 19-28.	6.4	1,899
9	PERMANOVA, ANOSIM, and the Mantel test in the face of heterogeneous dispersions: What null hypothesis are you testing?. <i>Ecological Monographs</i> , 2013, 83, 557-574.	5.4	1,429
10	Permutation tests for univariate or multivariate analysis of variance and regression. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2001, 58, 626-639.	1.4	1,146
11	Species abundance distributions: moving beyond single prediction theories to integration within an ecological framework. <i>Ecology Letters</i> , 2007, 10, 995-1015.	6.4	1,124
12	Permutation tests for multi-factorial analysis of variance. <i>Journal of Statistical Computation and Simulation</i> , 2003, 73, 85-113.	1.2	895
13	Disentangling the Drivers of β^2 Diversity Along Latitudinal and Elevational Gradients. <i>Science</i> , 2011, 333, 1755-1758.	12.6	617
14	Generalized discriminant analysis based on distances. <i>Australian and New Zealand Journal of Statistics</i> , 2003, 45, 301-318.	0.9	606
15	An empirical comparison of permutation methods for tests of partial regression coefficients in a linear model. <i>Journal of Statistical Computation and Simulation</i> , 1999, 62, 271-303.	1.2	340
16	Permutation Tests for Linear Models. <i>Australian and New Zealand Journal of Statistics</i> , 2001, 43, 75-88.	0.9	334
17	Partitioning the variation among spatial, temporal and environmental components in a multivariate data set. <i>Austral Ecology</i> , 1998, 23, 158-167.	1.5	311
18	Patterns and causes of species richness: a general simulation model for macroecology. <i>Ecology Letters</i> , 2009, 12, 873-886.	6.4	286

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19	A comparison of temperate reef fish assemblages recorded by three underwater stereo-video techniques. <i>Marine Biology</i> , 2005, 148, 415-425.	1.5	269
20	Remedies for pseudoreplication. <i>Fisheries Research</i> , 2004, 70, 397-407.	1.7	245
21	Spatial variation and effects of habitat on temperate reef fish assemblages in northeastern New Zealand. <i>Journal of Experimental Marine Biology and Ecology</i> , 2004, 305, 191-221.	1.5	240
22	Climate and habitat barriers to dispersal in the highly mobile grey wolf. <i>Molecular Ecology</i> , 2004, 13, 2481-2490.	3.9	208
23	Effects of substratum on the recruitment and development of an intertidal estuarine fouling assemblage. <i>Journal of Experimental Marine Biology and Ecology</i> , 1994, 184, 217-236.	1.5	204
24	Animal-sediment relationships re-visited: Characterising species' distributions along an environmental gradient using canonical analysis and quantile regression splines. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 366, 16-27.	1.5	188
25	Fitting Multivariate Models to Community Data: A Comment on Distance-Based Redundancy Analysis. <i>Ecology</i> , 2001, 82, 290.	3.2	164
26	Relationships between taxonomic resolution and spatial scales of multivariate variation. <i>Journal of Animal Ecology</i> , 2005, 74, 636-646.	2.8	149
27	Structure of cryptic reef fish assemblages: relationships with habitat characteristics and predator density. <i>Marine Ecology - Progress Series</i> , 2003, 257, 209-221.	1.9	145
28	Multivariate and univariate asymmetrical analyses in environmental impact assessment: a case study of Mediterranean subtidal sessile assemblages. <i>Marine Ecology - Progress Series</i> , 2005, 289, 27-42.	1.9	141
29	Stochastic and deterministic drivers of spatial and temporal turnover in breeding bird communities. <i>Global Ecology and Biogeography</i> , 2013, 22, 202-212.	5.8	121
30	Consistency and variation in kelp holdfast assemblages: Spatial patterns of biodiversity for the major phyla at different taxonomic resolutions. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 320, 35-56.	1.5	116
31	Hagfish predatory behaviour and slime defence mechanism. <i>Scientific Reports</i> , 2011, 1, 131.	3.3	111
32	Beta diversity and taxonomic sufficiency: Do higher-level taxa reflect heterogeneity in species composition?. <i>Diversity and Distributions</i> , 2009, 15, 450-458.	4.1	110
33	Seasonal and temporal aspects of recruitment and succession in an intertidal estuarine fouling assemblage. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1994, 74, 563-584.	0.8	103
34	Scales of spatial variation in Mediterranean subtidal sessile assemblages at different depths. <i>Marine Ecology - Progress Series</i> , 2007, 332, 25-39.	1.9	102
35	Effects of gastropod grazers on recruitment and succession of an estuarine assemblage: a multivariate and univariate approach. <i>Oecologia</i> , 1997, 109, 442-453.	2.0	100
36	REEF-ASSOCIATED PREDATORS INFLUENCE ADJACENT SOFT-SEDIMENT COMMUNITIES. <i>Ecology</i> , 2005, 86, 1508-1519.	3.2	88

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37	Species, Gender, and Identity: Cracking Petrels's™ Sociochemical Code. <i>Chemical Senses</i> , 2010, 35, 309-321.	2.0	85
38	Effects of protection from fishing on the lengths of targeted and non-targeted fish species at the Houtman Abrolhos Islands, Western Australia. <i>Marine Ecology - Progress Series</i> , 2009, 384, 241-249.	1.9	84
39	Protection from fishing alters the species composition of fish assemblages in a temperate-tropical transition zone. <i>Marine Biology</i> , 2007, 152, 1197-1206.	1.5	83
40	ASSESSING AND MONITORING ECOLOGICAL COMMUNITY HEALTH IN MARINE SYSTEMS. , 2005, 15, 942-953.		80
41	Measures of precision for dissimilarity-based multivariate analysis of ecological communities. <i>Ecology Letters</i> , 2015, 18, 66-73.	6.4	78
42	MULTIVARIATE CONTROL CHARTS FOR ECOLOGICAL AND ENVIRONMENTAL MONITORING. , 2004, 14, 1921-1935.		76
43	Spatial and temporal heterogeneity of the bacterial communities in stream epilithic biofilms. <i>FEMS Microbiology Ecology</i> , 2008, 65, 463-473.	2.7	74
44	The effects of translocation-induced isolation and fragmentation on the cultural evolution of bird song. <i>Ecology Letters</i> , 2012, 15, 778-785.	6.4	73
45	Quantifying effects of pollution on biodiversity: a case study of highly diverse molluscan assemblages in the Mediterranean. <i>Marine Biology</i> , 2005, 148, 293-305.	1.5	69
46	Quantitative measures of sedimentation in an estuarine system and its relationship with intertidal soft-sediment infauna. <i>Marine Ecology - Progress Series</i> , 2004, 272, 33-48.	1.9	69
47	A new method for non-parametric multivariate analysis of variance. <i>Austral Ecology</i> , 0, 26, 32-46.	1.5	68
48	Diversity and Composition of Demersal Fishes along a Depth Gradient Assessed by Baited Remote Underwater Stereo-Video. <i>PLoS ONE</i> , 2012, 7, e48522.	2.5	67
49	A Chemical Cue Induces Settlement of Sydney Rock Oysters, <i>Saccostrea commercialis</i> , in the Laboratory and in the Field. <i>Biological Bulletin</i> , 1996, 190, 350-358.	1.8	62
50	Variations in biofilms colonizing artificial surfaces: seasonal effects and effects of grazers. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1995, 75, 705-714.	0.8	55
51	Variance heterogeneity, transformations, and models of species abundance: a cautionary tale. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004, 61, 1294-1302.	1.4	55
52	Taxonomic Distinctness of Demersal Fishes of the California Current: Moving Beyond Simple Measures of Diversity for Marine Ecosystem-Based Management. <i>PLoS ONE</i> , 2010, 5, e10653.	2.5	55
53	Effects of patch size on colonisation in estuaries: revisiting the species-area relationship. <i>Oecologia</i> , 1999, 118, 87-98.	2.0	52
54	Some solutions to the multivariate Behrens's "Fisher problem for dissimilarity-based analyses. <i>Australian and New Zealand Journal of Statistics</i> , 2017, 59, 57-79.	0.9	51

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55	Predation by fish on intertidal oysters. <i>Marine Ecology - Progress Series</i> , 1999, 187, 203-211.	1.9	48
56	Efficient Homogeneously Weighted Moving Average Chart for Monitoring Process Mean Using an Auxiliary Variable. <i>IEEE Access</i> , 2019, 7, 94021-94032.	4.2	47
57	HYBRIDIZATION OF SYMPATRIC <i>PATIRIELLA</i> SPECIES (ECHINODERMATA: ASTEROIDEA) IN NEW SOUTH WALES. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 564-576.	2.3	44
58	Marine reserves demonstrate trophic interactions across habitats. <i>Oecologia</i> , 2006, 147, 134-140.	2.0	44
59	A Multivariate Homogeneously Weighted Moving Average Control Chart. <i>IEEE Access</i> , 2019, 7, 9586-9597.	4.2	44
60	Predation by fish on assemblages of intertidal epibiota: effects of predator size and patch size. <i>Journal of Experimental Marine Biology and Ecology</i> , 1999, 241, 15-29.	1.5	43
61	Biogeographical patterns of algal communities in the Mediterranean Sea: <i>Cystoseira crinita</i> -dominated assemblages as a case study. <i>Journal of Biogeography</i> , 2012, 39, 140-152.	3.0	43
62	Could ecologists be more random? Straightforward alternatives to haphazard spatial sampling. <i>Ecography</i> , 2017, 40, 1251-1255.	4.5	43
63	Residency and movement patterns of an apex predatory shark (<i>Galeocerdo cuvier</i>) at the Galapagos Marine Reserve. <i>PLoS ONE</i> , 2017, 12, e0183669.	2.5	40
64	Inconsistent effects of reefs on different size classes of macrofauna in adjacent sand habitats. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 334, 269-282.	1.5	39
65	Increasing variation in taxonomic distinctness reveals clusters of specialists in the deep sea. <i>Ecography</i> , 2011, 34, 306-317.	4.5	36
66	Enhancing the Ecological Significance of Sediment Contamination Guidelines through Integration with Community Analysis. <i>Environmental Science & Technology</i> , 2009, 43, 2118-2123.	10.0	35
67	Beta Diversity of Demersal Fish Assemblages in the North-Eastern Pacific: Interactions of Latitude and Depth. <i>PLoS ONE</i> , 2013, 8, e57918.	2.5	35
68	Much ado about nothings: using zero similarity points in distance-decay curves. <i>Ecology</i> , 2011, 92, 1717-1722.	3.2	34
69	Analyses of $\delta^{13}C$ and $\delta^{18}O$ in tree rings of <i>Callitris columellaris</i> provide evidence of a change in stomatal control of photosynthesis in response to regional changes in climate. <i>Tree Physiology</i> , 2008, 28, 1525-1533.	3.1	33
70	Understanding human attitudes towards sharks to promote sustainable coexistence. <i>Marine Policy</i> , 2018, 91, 122-128.	3.2	33
71	Distance-Based Redundancy Analysis: Testing Multispecies Responses in Multifactorial Ecological Experiments. <i>Ecological Monographs</i> , 1999, 69, 1.	5.4	32
72	The role of a dominant predator in shaping biodiversity over space and time in a marine ecosystem. <i>Journal of Animal Ecology</i> , 2015, 84, 1242-1252.	2.8	31

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73	Spatial patterns of distribution and relative abundance of coastal shark species in the Galapagos Marine Reserve. <i>Marine Ecology - Progress Series</i> , 2018, 593, 73-95.	1.9	31
74	Distinguishing direct from indirect effects of grazers in intertidal estuarine assemblages. <i>Journal of Experimental Marine Biology and Ecology</i> , 1999, 234, 199-218.	1.5	29
75	Bioaccumulation of copper, lead and zinc by the bivalves <i>Macomona liliana</i> and <i>Austrovenus stutchburyi</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 396, 244-252.	1.5	29
76	Effects of latitude and depth on the beta diversity of New Zealand fish communities. <i>Scientific Reports</i> , 2017, 7, 8081.	3.3	29
77	A pathway for multivariate analysis of ecological communities using copulas. <i>Ecology and Evolution</i> , 2019, 9, 3276-3294.	1.9	28
78	The rise of a marine generalist predator and the fall of beta diversity. <i>Global Change Biology</i> , 2020, 26, 2897-2907.	9.5	28
79	The kinetics of monospermic and polyspermic fertilization in free-spawning marine invertebrates. <i>Journal of Theoretical Biology</i> , 2003, 224, 79-85.	1.7	27
80	FITTING NONLINEAR ENVIRONMENTAL GRADIENTS TO COMMUNITY DATA: A GENERAL DISTANCE-BASED APPROACH. <i>Ecology</i> , 2005, 86, 2245-2251.	3.2	26
81	Effects of marine reserves in the context of spatial and temporal variation: an analysis using Bayesian zero-inflated mixed models. <i>Marine Ecology - Progress Series</i> , 2014, 499, 203-216.	1.9	25
82	Shrinkage estimates of covariance matrices to improve the performance of multivariate cumulative sum control charts. <i>Computers and Industrial Engineering</i> , 2018, 117, 207-216.	6.3	23
83	Response of sea-ice microbial communities to environmental disturbance: an in situ transplant experiment in the Antarctic. <i>Marine Ecology - Progress Series</i> , 2011, 424, 25-37.	1.9	22
84	Incorporating the intraspecific occupancyâ€“abundance relationship into zeroâ€“inflated models. <i>Ecology</i> , 2012, 93, 2526-2532.	3.2	21
85	Hagfish feeding habits along a depth gradient inferred from stable isotopes. <i>Marine Ecology - Progress Series</i> , 2013, 485, 223-234.	1.9	19
86	RESOLVING ENVIRONMENTAL DISPUTES: A STATISTICAL METHOD FOR CHOOSING AMONG COMPETING CLUSTER MODELS. , 2000, 10, 1341-1355.		18
87	Phylogenetic measures reveal ecoâ€“evolutionary drivers of biodiversity along a depth gradient. <i>Ecography</i> , 2020, 43, 689-702.	4.5	18
88	Importance of rock lobster sizeâ€“structure for trophic interactions: choice of soft-sediment bivalve prey. <i>Marine Biology</i> , 2006, 149, 447-454.	1.5	16
89	Assessing the nature of the combined effects of copper and zinc on estuarine infaunal communities. <i>Environmental Pollution</i> , 2011, 159, 116-124.	7.5	16
90	Review and phylogeny of the New Zealand hagfishes (Myxiniiformes: Myxinidae), with a description of three new species. <i>Zoological Journal of the Linnean Society</i> , 2015, 174, 363-393.	2.3	16

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91	Changes in key traits versus depth and latitude suggest energy-efficient locomotion, opportunistic feeding and light lead to adaptive morphologies of marine fishes. <i>Journal of Animal Ecology</i> , 2020, 89, 309-322.	2.8	15
92	Causal modeling with multivariate species data. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 448, 72-84.	1.5	14
93	High functional diversity in deep-sea fish communities and increasing intraspecific trait variation with increasing latitude. <i>Ecology and Evolution</i> , 2021, 11, 10600-10612.	1.9	14
94	Temporal variance of disturbance did not affect diversity and structure of a marine fouling community in north-eastern New Zealand. <i>Marine Biology</i> , 2007, 153, 199-211.	1.5	13
95	Individual and combined effects of heavy metals on estuarine infaunal communities. <i>Marine Ecology - Progress Series</i> , 2010, 402, 123-136.	1.9	13
96	Morphometric comparative analysis of pharyngeal bones of the genus <i>Scardinius</i> (Pisces: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	0.5	12
97	Environmental characteristics drive variation in Amazonian understory bird assemblages. <i>PLoS ONE</i> , 2017, 12, e0171540.	2.5	12
98	The use of taxonomic relationships among species in applied ecological research: Baseline, steps forward and future challenges. <i>Austral Ecology</i> , 2021, 46, 950-964.	1.5	12
99	Species accumulation curves and taxonomic surrogates: an integrated approach for estimation of regional species richness. <i>Diversity and Distributions</i> , 2014, 20, 356-368.	4.1	10
100	CANONICAL ANALYSIS OF PRINCIPAL COORDINATES: A USEFUL METHOD OF CONSTRAINED ORDINATION FOR ECOLOGY. , 2003, 84, 511.		10
101	Nonlinear multivariate models of successional change in community structure using the von Bertalanffy curve. <i>Oecologia</i> , 2005, 146, 279-286.	2.0	9
102	Preliminary evidence for the microbial loop in Antarctic sea ice using microcosm simulations. <i>Antarctic Science</i> , 2012, 24, 547-553.	0.9	9
103	An integrated pathway for building regional phylogenies for ecological studies. <i>Global Ecology and Biogeography</i> , 2019, 28, 1899-1911.	5.8	9
104	Temporal variability and intensity of grazing: a mesocosm experiment. <i>Marine Ecology - Progress Series</i> , 2007, 341, 15-24.	1.9	9
105	Response to Comments on "Disentangling the Drivers of β^2 Diversity Along Latitudinal and Elevational Gradients". <i>Science</i> , 2012, 335, 1573-1573.	12.6	8
106	IDENTIFYING TREATMENT EFFECTS IN MULTICHANNEL MEASUREMENTS IN ELECTROENCEPHALOGRAPHIC STUDIES: MULTIVARIATE PERMUTATION TESTS AND MULTIPLE COMPARISONS. <i>Australian and New Zealand Journal of Statistics</i> , 2007, 49, 397-413.	0.9	7
107	Longitudinal variation and effects of habitat on biodiversity of Australasian temperate reef fishes. <i>Journal of Biogeography</i> , 2014, 41, 2128-2139.	3.0	7
108	Microbial Genomics of a Host-Associated Commensal Bacterium in Fragmented Populations of Endangered Takahe. <i>Microbial Ecology</i> , 2016, 71, 1020-1029.	2.8	7

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109	Genetic structure of the grey side-gilled sea slug (<i>Pleurobranchaea maculata</i>) in coastal waters of New Zealand. <i>PLoS ONE</i> , 2018, 13, e0202197.	2.5	7
110	DISTANCE-BASED REDUNDANCY ANALYSIS: TESTING MULTISPECIES RESPONSES IN MULTIFACTORIAL ECOLOGICAL EXPERIMENTS. , 1999, 69, 1.		7
111	FITTING MULTIVARIATE MODELS TO COMMUNITY DATA: A COMMENT ON DISTANCE-BASED REDUNDANCY ANALYSIS. , 2001, 82, 290.		7
112	MEWMA charts when parameters are estimated with applications in gene expression and bimetal thermostat monitoring. <i>Journal of Statistical Computation and Simulation</i> , 2021, 91, 37-57.	1.2	5
113	Functional beta diversity of New Zealand fishes: Characterising morphological turnover along depth and latitude gradients, with derivation of functional bioregions. <i>Austral Ecology</i> , 2021, 46, 965-981.	1.5	5
114	Marine reserves indirectly affect fine-scale habitat associations, but not overall densities, of small benthic fishes. <i>Ecology and Evolution</i> , 2016, 6, 6648-6661.	1.9	4
115	Microbiome and environment explain the absence of correlations between consumers and their diet in Bornean microsnails. <i>Ecology</i> , 2021, 102, e03237.	3.2	3
116	Transmission dynamics of an antimicrobial resistant <i>Campylobacter jejuni</i> lineage in New Zealand's commercial poultry network. <i>Epidemics</i> , 2021, 37, 100521.	3.0	3
117	Instantaneous vs. non-instantaneous diver-operated stereo-video (DOV) surveys of highly mobile sharks in the Galápagos Marine Reserve. <i>Marine Ecology - Progress Series</i> , 2020, 649, 111-123.	1.9	3
118	Shallow-Water Scavengers of Polar Night and Day – An Arctic Time-Lapse Photography Study. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	2
119	Subtle and negligible effects of rainfall on estuarine infauna: evidence from three years of event-driven sampling. <i>Marine Ecology - Progress Series</i> , 2007, 340, 17-27.	1.9	2
120	CANONICAL ANALYSIS OF PRINCIPAL COORDINATES: A USEFUL METHOD OF CONSTRAINED ORDINATION FOR ECOLOGY. , 2003, 84, 511.		1
121	FITTING MULTIVARIATE MODELS TO COMMUNITY DATA: A COMMENT ON DISTANCE-BASED REDUNDANCY ANALYSIS. , 2001, 82, 290.		1
122	Introduction: In appreciation of K. Robert Clarke. <i>Austral Ecology</i> , 2021, 46, 891-900.	1.5	0
123	Microbiome and Environment Explain the Absence of Correlations Between Consumers and Their Diet in Bornean Microsnails. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01821.	0.2	0
124	Estimation of Multivariate Dependence Structures via Constrained Maximum Likelihood. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 0, , 1.	1.4	0