

David I Warton

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2127336/publications.pdf>

Version: 2024-02-01

90
papers

17,857
citations

53794

45
h-index

46799

89
g-index

92
all docs

92
docs citations

92
times ranked

22240
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast model-based ordination with copulas. <i>Methods in Ecology and Evolution</i> , 2022, 13, 194-202.	5.2	11
2	Modeling recreational fishing intensity in a complex urbanised estuary. <i>Journal of Environmental Management</i> , 2021, 279, 111529.	7.8	10
3	Selecting the model for multiple imputation of missing data: Just use an IC!. <i>Statistics in Medicine</i> , 2021, 40, 2467-2497.	1.6	12
4	What is the effective sample size of a spatial point process?. <i>Australian and New Zealand Journal of Statistics</i> , 2021, 63, 144-158.	0.9	4
5	Analyzing environmental-trait interactions in ecological communities with fourth-corner latent variable models. <i>Environmetrics</i> , 2021, 32, e2683.	1.4	11
6	Tropical plants do not have narrower temperature tolerances, but are more at risk from warming because they are close to their upper thermal limits. <i>Global Ecology and Biogeography</i> , 2020, 29, 1387-1398.	5.8	68
7	fitzRoy - An R Package to Encourage Reproducible Sports Analysis. <i>R Journal</i> , 2020, 12, 82.	1.8	1
8	Untangling direct species associations from indirect mediator species effects with graphical models. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1571-1583.	5.2	57
9	gllvm: Fast analysis of multivariate abundance data with generalized linear latent variable models in <code><scp>r</scp></code> . <i>Methods in Ecology and Evolution</i> , 2019, 10, 2173-2182.	5.2	88
10	Efficient estimation of generalized linear latent variable models. <i>PLoS ONE</i> , 2019, 14, e0216129.	2.5	45
11	A comprehensive evaluation of predictive performance of 33 species distribution models at species and community levels. <i>Ecological Monographs</i> , 2019, 89, e01370.	5.4	290
12	A Generalized Estimating Equation Approach to Multivariate Adaptive Regression Splines. <i>Journal of Computational and Graphical Statistics</i> , 2018, 27, 245-253.	1.7	13
13	Model averaging in ecology: a review of Bayesian, information-theoretic, and tactical approaches for predictive inference. <i>Ecological Monographs</i> , 2018, 88, 485-504.	5.4	209
14	A general algorithm for covariance modeling of discrete data. <i>Journal of Multivariate Analysis</i> , 2018, 165, 86-100.	1.0	22
15	Why You Cannot Transform Your Way out of Trouble for Small Counts. <i>Biometrics</i> , 2018, 74, 362-368.	1.4	38
16	Order Selection and Sparsity in Latent Variable Models via the Ordered Factor LASSO. <i>Biometrics</i> , 2018, 74, 1311-1319.	1.4	22
17	Effect of contact load upon attrition-corrosion of human dental enamel. <i>Wear</i> , 2018, 414-415, 101-108.	3.1	7
18	Variational Approximations for Generalized Linear Latent Variable Models. <i>Journal of Computational and Graphical Statistics</i> , 2017, 26, 35-43.	1.7	51

#	ARTICLE	IF	CITATIONS
19	Frequent inundation helps counteract land use impacts on wetland propagule banks. <i>Applied Vegetation Science</i> , 2017, 20, 459-467.	1.9	15
20	Graphical diagnostics for occupancy models with imperfect detection. <i>Methods in Ecology and Evolution</i> , 2017, 8, 408-419.	5.2	46
21	Technical advances at the interface between ecology and statistics: improving the biodiversity knowledge generation workflow. <i>Methods in Ecology and Evolution</i> , 2017, 8, 396-397.	5.2	3
22	Plant traits of propagule banks and standing vegetation reveal flooding alleviates impacts of agriculture on wetland restoration. <i>Journal of Applied Ecology</i> , 2017, 54, 1907-1918.	4.0	30
23	Cross-validation strategies for data with temporal, spatial, hierarchical, or phylogenetic structure. <i>Ecography</i> , 2017, 40, 913-929.	4.5	1,092
24	Generalized Linear Latent Variable Models for Multivariate Count and Biomass Data in Ecology. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2017, 22, 498-522.	1.4	47
25	Thirty years of change in a benthic macroinvertebrate community of southwestern Lake Ontario after invasion by four Ponto-Caspian species. <i>Freshwater Science</i> , 2017, 36, 90-102.	1.8	14
26	The central role of mean-covariance relationships in the analysis of multivariate abundance data: a response to Roberts (2017). <i>Methods in Ecology and Evolution</i> , 2017, 8, 1408-1414.	5.2	33
27	The PIT-trap A model-free bootstrap procedure for inference about regression models with discrete, multivariate responses. <i>PLoS ONE</i> , 2017, 12, e0181790.	2.5	78
28	Model-based assessment of ecological community classifications. <i>Journal of Vegetation Science</i> , 2016, 27, 704-715.	2.2	15
29	Three points to consider when choosing a LM or GLM test for count data. <i>Methods in Ecology and Evolution</i> , 2016, 7, 882-890.	5.2	133
30	Extending Joint Models in Community Ecology: A Response to Beissinger et al .. <i>Trends in Ecology and Evolution</i> , 2016, 31, 737-738.	8.7	24
31	Multi-species distribution modeling using penalized mixture of regressions. <i>Annals of Applied Statistics</i> , 2015, 9, .	1.1	20
32	Model-based thinking for community ecology. <i>Plant Ecology</i> , 2015, 216, 669-682.	1.6	120
33	Point process models for presence-only analysis. <i>Methods in Ecology and Evolution</i> , 2015, 6, 366-379.	5.2	319
34	Tuning Parameter Selection for the Adaptive Lasso Using ERIC. <i>Journal of the American Statistical Association</i> , 2015, 110, 262-269.	3.1	50
35	New opportunities at the interface between ecology and statistics. <i>Methods in Ecology and Evolution</i> , 2015, 6, 363-365.	5.2	7
36	Order selection in finite mixture models: complete or observed likelihood information criteria?. <i>Biometrika</i> , 2015, 102, 724-730.	2.4	15

#	ARTICLE	IF	CITATIONS
37	So Many Variables: Joint Modeling in Community Ecology. <i>Trends in Ecology and Evolution</i> , 2015, 30, 766-779.	8.7	607
38	Responses of foliage- <i>living</i> spider assemblage composition and traits to a climatic gradient in <i>hemeda</i> grasslands. <i>Austral Ecology</i> , 2015, 40, 225-237.	1.5	13
39	A climate of uncertainty: accounting for error in climate variables for species distribution models. <i>Methods in Ecology and Evolution</i> , 2015, 6, 412-423.	5.2	66
40	Model-based approaches to unconstrained ordination. <i>Methods in Ecology and Evolution</i> , 2015, 6, 399-411.	5.2	195
41	Does morphology predict trophic position and habitat use of ant species and assemblages?. <i>Oecologia</i> , 2015, 177, 519-531.	2.0	70
42	CATS regression – a model-based approach to studying trait-based community assembly. <i>Methods in Ecology and Evolution</i> , 2015, 6, 389-398.	5.2	75
43	The fourth-corner solution – using predictive models to understand how species traits interact with the environment. <i>Methods in Ecology and Evolution</i> , 2014, 5, 344-352.	5.2	226
44	Fast forward selection for generalized estimating equations with a large number of predictor variables. <i>Biometrics</i> , 2014, 70, 110-120.	1.4	16
45	Topoclimate versus macroclimate: how does climate mapping methodology affect species distribution models and climate change projections?. <i>Diversity and Distributions</i> , 2014, 20, 952-963.	4.1	62
46	A model-based approach to studying changes in compositional heterogeneity. <i>Methods in Ecology and Evolution</i> , 2014, 5, 156-164.	5.2	19
47	To mix or not to mix: comparing the predictive performance of mixture models vs. separate species distribution models. <i>Ecology</i> , 2013, 94, 1913-1919.	3.2	80
48	Equivalence of MAXENT and Poisson Point Process Models for Species Distribution Modeling in Ecology. <i>Biometrics</i> , 2013, 69, 274-281.	1.4	369
49	Advancing our thinking in presence-only and used-available analysis. <i>Journal of Animal Ecology</i> , 2013, 82, 1125-1134.	2.8	49
50	Finite Mixture of Regression Modeling for High-Dimensional Count and Biomass Data in Ecology. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2013, 18, 357-375.	1.4	52
51	Robust tests for one or more allometric lines. <i>Journal of Theoretical Biology</i> , 2013, 333, 38-46.	1.7	23
52	Community-level vs species-specific approaches to model selection. <i>Ecography</i> , 2013, 36, 1291-1298.	4.5	46
53	Model-Based Control of Observer Bias for the Analysis of Presence-Only Data in Ecology. <i>PLoS ONE</i> , 2013, 8, e79168.	2.5	140
54	Are Introduced Species Better Dispersers Than Native Species? A Global Comparative Study of Seed Dispersal Distance. <i>PLoS ONE</i> , 2013, 8, e68541.	2.5	27

#	ARTICLE	IF	CITATIONS
55	Invasions: the trail behind, the path ahead, and a test of a disturbing idea. <i>Journal of Ecology</i> , 2012, 100, 116-127.	4.0	180
56	A novel approach to quantify and locate potential microrefugia using topoclimate, climate stability, and isolation from the matrix. <i>Global Change Biology</i> , 2012, 18, 1866-1879.	9.5	176
57	Distance-based multivariate analyses confound location and dispersion effects. <i>Methods in Ecology and Evolution</i> , 2012, 3, 89-101.	5.2	905
58	smatr 3â€“ an R package for estimation and inference about allometric lines. <i>Methods in Ecology and Evolution</i> , 2012, 3, 257-259.	5.2	1,244
59	mvaabundâ€“ an R package for model-based analysis of multivariate abundance data. <i>Methods in Ecology and Evolution</i> , 2012, 3, 471-474.	5.2	1,166
60	The arcsine is asinine: the analysis of proportions in ecology. <i>Ecology</i> , 2011, 92, 3-10.	3.2	1,801
61	Global patterns of leaf mechanical properties. <i>Ecology Letters</i> , 2011, 14, 301-312.	6.4	418
62	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.	7.3	155
63	Regularized Sandwich Estimators for Analysis of High-Dimensional Data Using Generalized Estimating Equations. <i>Biometrics</i> , 2011, 67, 116-123.	1.4	78
64	Compositional analysis of overdispersed counts using generalized estimating equations. <i>Environmental and Ecological Statistics</i> , 2011, 18, 427-446.	3.5	7
65	Robust estimation and inference for bivariate line-fitting in allometry. <i>Biometrical Journal</i> , 2011, 53, 652-672.	1.0	33
66	Correction note: Poisson point process models solve the â€œpseudo-absence problemâ€“ for presence-only data in ecology. <i>Annals of Applied Statistics</i> , 2010, 4, .	1.1	8
67	Poisson point process models solve the â€œpseudo-absence problemâ€“ for presence-only data in ecology. <i>Annals of Applied Statistics</i> , 2010, 4, .	1.1	226
68	Global patterns in plant height. <i>Journal of Ecology</i> , 2009, 97, 923-932.	4.0	611
69	Which Wald statistic? Choosing a parameterization of the Wald statistic to maximize power in k-sample generalized estimating equations. <i>Journal of Statistical Planning and Inference</i> , 2008, 138, 3269-3282.	0.6	4
70	Raw data graphing: an informative but under-utilized tool for the analysis of multivariate abundances. <i>Austral Ecology</i> , 2008, 33, 290-300.	1.5	34
71	Penalized Normal Likelihood and Ridge Regularization of Correlation and Covariance Matrices. <i>Journal of the American Statistical Association</i> , 2008, 103, 340-349.	3.1	110
72	How Many Words Do You Know? An Integrated Assessment Task for Introductory Statistics Students. <i>Journal of Statistics Education</i> , 2007, 15, .	1.4	1

#	ARTICLE	IF	CITATIONS
73	Robustness to Failure of Assumptions of Tests for a Common Slope Amongst Several Allometric Lines – A Simulation Study. <i>Biometrical Journal</i> , 2007, 49, 286-299.	1.0	7
74	A metacommunity-scale comparison of species abundance distribution models for plant communities of eastern Australia. <i>Ecography</i> , 2007, 30, 449-458.	4.5	12
75	Global meta-analysis shows that relationships of leaf mass per area with species shade tolerance depend on leaf habit and ontogeny. <i>New Phytologist</i> , 2007, 176, 764-774.	7.3	101
76	Bivariate line-fitting methods for allometry. <i>Biological Reviews</i> , 2006, 81, 259-291.	10.4	1,870
77	Evidence at hand: Diversity, functional implications, and locomotor prediction in intrinsic hand proportions of diprotodontian marsupials. <i>Journal of Morphology</i> , 2006, 267, 1469-1485.	1.2	43
78	Assessing the generality of global leaf trait relationships. <i>New Phytologist</i> , 2005, 166, 485-496.	7.3	1,704
79	Modulation of leaf economic traits and trait relationships by climate. <i>Global Ecology and Biogeography</i> , 2005, 14, 411-421.	5.8	669
80	Many zeros does not mean zero inflation: comparing the goodness-of-fit of parametric models to multivariate abundance data. <i>Environmetrics</i> , 2005, 16, 275-289.	1.4	171
81	Modelling of wildlife fatality hotspots along the Snowy Mountain Highway in New South Wales, Australia. <i>Biological Conservation</i> , 2005, 126, 474-490.	4.1	173
82	Does a latitudinal gradient in seedling survival favour larger seeds in the tropics?. <i>Ecology Letters</i> , 2004, 7, 911-914.	6.4	24
83	Sprouting by semi-arid plants: testing a dichotomy and predictive traits. <i>Oikos</i> , 2004, 107, 72-89.	2.7	84
84	A MANOVA STATISTIC IS JUST AS POWERFUL AS DISTANCE-BASED STATISTICS, FOR MULTIVARIATE ABUNDANCES. <i>Ecology</i> , 2004, 85, 858-874.	3.2	48
85	Site-to-site variation in the demography of a fire-affected perennial, <i>Acacia suaveolens</i> , at Ku-ring-gai Chase National Park, New South Wales, Australia. <i>Austral Ecology</i> , 2003, 28, 38-47.	1.5	17
86	Seed size and survival in the soil in arid Australia. <i>Austral Ecology</i> , 2003, 28, 575-585.	1.5	58
87	DO SMALL-SEEDED SPECIES HAVE HIGHER SURVIVAL THROUGH SEED PREDATION THAN LARGE-SEEDED SPECIES?. <i>Ecology</i> , 2003, 84, 3148-3161.	3.2	175
88	Common Slope Tests for Bivariate Errors-in-Variables Models. <i>Biometrical Journal</i> , 2002, 44, 161-174.	1.0	265
89	The Time Value of Leaf Area. <i>American Naturalist</i> , 2000, 155, 649-656.	2.1	103
90	The fungicides Terrazole and Terraclor and the nematicide Fenamiphos have little effect on root colonisation by <i>Glomus mosseae</i> and growth of cotton seedlings. <i>Mycorrhiza</i> , 1997, 7, 155-159.	2.8	18