Howard D Bondell

List of Publications by Year
in descending order

73 papers	3,238 citations	304368 22 h-index	155451 55 g-index
74 all docs	74 docs citations	74 times ranked	4129 citing authors

#	Article	IF	Citations
1	Optimal Cut-point and Its Corresponding Youden Index to Discriminate Individuals Using Pooled Blood Samples. Epidemiology, 2005, 16, 73-81.	1.2	938
2	Simultaneous Regression Shrinkage, Variable Selection, and Supervised Clustering of Predictors with OSCAR. Biometrics, 2008, 64, 115-123.	0.8	289
3	Noncrossing quantile regression curve estimation. Biometrika, 2010, 97, 825-838.	1.3	208
4	Overcoming skepticism with education: interacting influences of worldview and climate change knowledge on perceived climate change risk among adolescents. Climatic Change, 2014, 126, 293-304.	1.7	175
5	Joint Variable Selection for Fixed and Random Effects in Linear Mixed‐Effects Models. Biometrics, 2010, 66, 1069-1077.	0.8	163
6	Flexible Bayesian quantile regression for independent and clustered data. Biostatistics, 2010, 11, 337-352.	0.9	108
7	Surface estimation, variable selection, and the nonparametric oracle property. Statistica Sinica, 2011, 21, 679.	0.2	83
8	The influence of personal beliefs, friends, and family in building climate change concern among adolescents. Environmental Education Research, 2019, 25, 832-845.	1.6	82
9	Item generation and design testing of a questionnaire to assess degenerative joint disease‐associated pain in cats. American Journal of Veterinary Research, 2010, 71, 1417-1424.	0.3	72
10	Environmental, Institutional, and Demographic Predictors of Environmental Literacy among Middle School Children. PLoS ONE, 2013, 8, e59519.	1.1	71
11	Simultaneous Factor Selection and Collapsing Levels in ANOVA. Biometrics, 2009, 65, 169-177.	0.8	60
12	Variable Selection in Bayesian Smoothing Spline ANOVA Models: Application to Deterministic Computer Codes. Technometrics, 2009, 51, 110-120.	1.3	59
13	Consistent High-Dimensional Bayesian Variable Selection via Penalized Credible Regions. Journal of the American Statistical Association, 2012, 107, 1610-1624.	1.8	59
14	Predicting native plant landscaping preferences in urban areas. Sustainable Cities and Society, 2012, 5, 70-76.	5.1	52
15	Role of Significant Life Experiences in Building Environmental Knowledge and Behavior Among Middle School Students. Journal of Environmental Education, 2014, 45, 163-177.	1.0	51
16	RADIOGRAPHIC EVALUATION OF FELINE APPENDICULAR DEGENERATIVE JOINT DISEASE VS. MACROSCOPIC APPEARANCE OF ARTICULAR CARTILAGE. Veterinary Radiology and Ultrasound, 2011, 52, 239-247.	0.4	42
17	Shrinkage inverse regression estimation for model-free variable selection. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2009, 71, 287-299.	1.1	40
18	Minimum distance estimation for the logistic regression model. Biometrika, 2005, 92, 724-731.	1.3	38

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19	Developing a model of climate change behavior among adolescents. Climatic Change, 2018, 151, 589-603.	1.7	35
20	Interquantile shrinkage and variable selection in quantile regression. Computational Statistics and Data Analysis, 2014, 69, 208-219.	0.7	27
21	Efficient Robust Regression via Two-Stage Generalized Empirical Likelihood. Journal of the American Statistical Association, 2013, 108, 644-655.	1.8	25
22	Interquantile Shrinkage in Regression Models. Journal of Computational and Graphical Statistics, 2013, 22, 970-986.	0.9	25
23	A Spatial Dirichlet Process Mixture Model for Clustering Population Genetics Data. Biometrics, 2011, 67, 381-390.	0.8	24
24	Consistent Group Identification and Variable Selection in Regression With Correlated Predictors. Journal of Computational and Graphical Statistics, 2013, 22, 319-340.	0.9	23
25	Comparing the dynamics of COVID-19 infection and mortality in the United States, India, and Brazil. Physica D: Nonlinear Phenomena, 2022, 432, 133158.	1.3	23
26	Sufficient Dimension Reduction via Bayesian Mixture Modeling. Biometrics, 2011, 67, 886-895.	0.8	19
27	On the impact of covariate measurement error on spatial regression modelling. Environmetrics, 2014, 25, 560-570.	0.6	19
28	Spatial Regression with Covariate Measurement Error: A Semiparametric Approach. Biometrics, 2016, 72, 678-686.	0.8	19
29	A Bayesian mixture model for clustering and selection of feature occurrence rates under mean constraints. Statistical Analysis and Data Mining, 2017, 10, 393-409.	1.4	19
30	Binormal Precision–Recall Curves for Optimal Classification of Imbalanced Data. Statistics in Biosciences, 2019, 11, 141-161.	0.6	19
31	How combinations of recreational activities predict connection to nature among youth. Journal of Environmental Education, 2020, 51, 462-476.	1.0	19
32	Bayesian Regression Using a Prior on the Model Fit: The R2-D2 Shrinkage Prior. Journal of the American Statistical Association, 2022, 117, 862-874.	1.8	19
33	Understanding spatial propagation using metric geometry with application to the spread of COVID-19 in the United States. Europhysics Letters, 2021, 135, 48004.	0.7	19
34	A characteristic function approach to the biased sampling model, with application to robust logistic regression. Journal of Statistical Planning and Inference, 2008, 138, 742-755.	0.4	18
35	A Nonparametric Spatial Model for Periodontal Data With Nonrandom Missingness. Journal of the American Statistical Association, 2013, 108, 820-831.	1.8	18
36	Pupillary response to complex interdependent tasks: A cognitive-load theory perspective. Behavior Research Methods, 2017, 49, 1905-1919.	2.3	18

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37	Private landowner interest in market‐based incentive programs for endangered species habitat conservation. Wildlife Society Bulletin, 2012, 36, 469-476.	1.6	17
38	Variable selection for non‐parametric quantile regression via smoothing spline analysis of variance. Stat, 2013, 2, 255-268.	0.3	17
39	Bayesian variable selection using an adaptive powered correlation prior. Journal of Statistical Planning and Inference, 2009, 139, 2665-2674.	0.4	16
40	A Locally Adaptive Penalty for Estimation of Functions With Varying Roughness. Journal of Computational and Graphical Statistics, 2010, 19, 569-589.	0.9	16
41	Estimating public willingness to fund nongame conservation through state tax initiatives. Wildlife Society Bulletin, 2012, 36, 483-491.	1.6	14
42	Testing goodness-of-fit in logistic case-control studies. Biometrika, 2007, 94, 487-495.	1.3	13
43	Variable Selection via Penalized Credible Regions with Dirichlet‐Laplace Global-Local Shrinkage Priors. Bayesian Analysis, 2018, 13, .	1.6	13
44	Optimal allocation of PCR tests to minimise disease transmission through contact tracing and quarantine. Epidemics, 2021, 37, 100503.	1.5	13
45	A comprehensive approach to haplotype-specific analysis by penalized likelihood. European Journal of Human Genetics, 2010, 18, 95-103.	1.4	12
46	In search of peak human athletic potential: A mathematical investigation. Chaos, 2022, 32, 023110.	1.0	12
47	Solution paths for the generalized lasso with applications to spatially varying coefficients regression. Computational Statistics and Data Analysis, 2020, 142, 106821.	0.7	10
48	Evaluating relationships between hunting and biodiversity knowledge among children. Wildlife Society Bulletin, 2017, 41, 530-536.	1.6	9
49	Deep distribution regression. Computational Statistics and Data Analysis, 2021, 159, 107203.	0.7	9
50	A Confidence Region Approach to Tuning for Variable Selection. Journal of Computational and Graphical Statistics, 2012, 21, 295-314.	0.9	8
51	Market and nonmarket valuation of North Carolina's tundra swans among hunters, wildlife watchers, and the public. Wildlife Society Bulletin, 2018, 42, 478-487.	1.6	7
52	Statistical Inference Based on Pooled Data: A Moment-Based Estimating Equation Approach. Journal of Applied Statistics, 2007, 34, 129-140.	0.6	6
53	Factor Selection and Structural Identification in the Interaction ANOVA Model. Biometrics, 2013, 69, 70-79.	0.8	6
54	Incorporating covariates in skewed functional data models. Biostatistics, 2015, 16, 413-426.	0.9	6

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55	On local intrinsic dimensionality of deformation in complex materials. Scientific Reports, 2021, 11, 10216.	1.6	6
56	Variable Selection for High Dimensional Bayesian Density Estimation: Application to Human Exposure Simulation. Journal of the Royal Statistical Society Series C: Applied Statistics, 2012, 61, 47-66.	0.5	5
57	Perspectives of wildlife conservation professionals on intensive deer management. Wildlife Society Bulletin, 2015, 39, 751-756.	1.6	5
58	Domain selection for the varying coefficient model via local polynomial regression. Computational Statistics and Data Analysis, 2015, 83, 236-250.	0.7	5
59	Fully efficient robust estimation, outlier detection, and variable selection via penalized regression. Statistica Sinica, 2018, , .	0.2	5
60	Early identification of an impending rockslide location via a spatially-aided Gaussian mixture model. Annals of Applied Statistics, 2020, 14, .	0.5	5
61	A representation learning framework for detection and characterization of dead versus strain localization zones from pre- to post-failure. Granular Matter, 2022, 24, .	1.1	5
62	Evaluating haplotype effects in case–control studies via penalized–likelihood approaches: prospective or retrospective analysis?. Genetic Epidemiology, 2010, 34, 892-911.	0.6	4
63	On Robust and Efficient Estimation of the Center of Symmetry. Communications in Statistics - Theory and Methods, 2008, 37, 318-327.	0.6	3
64	What is Private Land Stewardship? Lessons from Agricultural Opinion Leaders in North Carolina. Sustainability, 2018, 10, 297.	1.6	3
65	Nonparametric conditional density estimation in a deep learning framework for short-term forecasting. Environmental and Ecological Statistics, 2022, 29, 677-704.	1.9	3
66	Spatial Confounding in Generalized Estimating Equations. American Statistician, 2022, 76, 238-247.	0.9	3
67	Temporal and spectral governing dynamics of Australian hydrological streamflow time series. Journal of Computational Science, 2022, 63, 101767.	1.5	2
68	Bayesian variable selection for logistic regression. Statistical Analysis and Data Mining, 2019, 12, 378-393.	1.4	1
69	Nonstationary Gaussian Process Discriminant Analysis With Variable Selection for High-Dimensional Functional Data. Journal of Computational and Graphical Statistics, 2023, 32, 588-600.	0.9	1
70	A Penalized Likelihood Approach for Investigating Gene–Drug Interactions in Pharmacogenetic Studies. Biometrics, 2015, 71, 529-537.	0.8	0
71	Best linear estimation via minimization of relative mean squared error. Statistics and Computing, 2019, 29, 33-42.	0.8	0
72	A shared parameter mixture model for longitudinal income data with missing responses and zero rounding. Australian and New Zealand Journal of Statistics, 2021, 63, 221-240.	0.4	0

#	ARTICLE	IF	CITATIONS
73	On robust probabilistic principal component analysis using multivariate *t*-distributions. Communications in Statistics - Theory and Methods, 0, , 1-19.	0.6	0