

Douglas P Wiens

List of Publications by Year in descending order

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57
papers

780
citations

567281

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h-index

580821

25
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57
all docs

57
docs citations

57
times ranked

207
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Minimax designs for approximately linear regression. <i>Journal of Statistical Planning and Inference</i> , 1992, 31, 353-371. | 0.6 | 70 |
| 2 | Designs for approximately linear regression: two optimality properties of uniform designs. <i>Statistics and Probability Letters</i> , 1991, 12, 217-221. | 0.7 | 52 |
| 3 | Integer-Valued, Minimax Robust Designs for Estimation and Extrapolation in Heteroscedastic, Approximately Linear Models. <i>Journal of the American Statistical Association</i> , 2000, 95, 807-818. | 3.1 | 44 |
| 4 | Robust weights and designs for biased regression models: Least squares and generalized M-estimation. <i>Journal of Statistical Planning and Inference</i> , 2000, 83, 395-412. | 0.6 | 41 |
| 5 | Robust Discrimination Designs. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2009, 71, 805-829. | 2.2 | 36 |
| 6 | On equality and proportionality of ordinary least squares, weighted least squares and best linear unbiased estimators in the general linear model. <i>Statistics and Probability Letters</i> , 2006, 76, 1265-1272. | 0.7 | 32 |
| 7 | Minimax Robust Designs and Weights for Approximately Specified Regression Models with Heteroscedastic Errors. <i>Journal of the American Statistical Association</i> , 1998, 93, 1440-1450. | 3.1 | 29 |
| 8 | Robust sequential designs for nonlinear regression. <i>Canadian Journal of Statistics</i> , 2002, 30, 601-618. | 0.9 | 27 |
| 9 | Restricted minimax robust designs for misspecified regression models. <i>Canadian Journal of Statistics</i> , 2001, 29, 117-128. | 0.9 | 21 |
| 10 | Integer-Valued, Minimax Robust Designs for Estimation and Extrapolation in Heteroscedastic, Approximately Linear Models. <i>Journal of the American Statistical Association</i> , 2000, 95, 807. | 3.1 | 21 |
| 11 | Robust minimax designs for multiple linear regression. <i>Linear Algebra and Its Applications</i> , 1990, 127, 327-340. | 0.9 | 20 |
| 12 | Minimax regression designs for approximately linear models with autocorrelated errors. <i>Journal of Statistical Planning and Inference</i> , 1996, 55, 95-106. | 0.6 | 19 |
| 13 | On the exact distribution of the sum of the largest $n-k$ of n normal random variables with differing mean values. <i>Statistics</i> , 2006, 40, 165-173. | 0.6 | 17 |
| 14 | Robust designs for misspecified logistic models. <i>Journal of Statistical Planning and Inference</i> , 2009, 139, 3-15. | 0.6 | 17 |
| 15 | Robust designs for approximately polynomial regression. <i>Journal of Statistical Planning and Inference</i> , 1997, 64, 369-381. | 0.6 | 16 |
| 16 | Minimax designs for approximately linear models with AR(1) errors. <i>Canadian Journal of Statistics</i> , 1999, 27, 781-794. | 0.9 | 16 |
| 17 | Robust extrapolation designs and weights for biased regression models with heteroscedastic errors. <i>Canadian Journal of Statistics</i> , 1999, 27, 751-770. | 0.9 | 15 |
| 18 | Robust prediction and extrapolation designs for misspecified generalized linear regression models. <i>Journal of Statistical Planning and Inference</i> , 2008, 138, 30-46. | 0.6 | 15 |

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|----|---|-----|-----------|
| 19 | Designs for approximately linear regression: Maximizing the minimum coverage probability of confidence ellipsoids. Canadian Journal of Statistics, 1993, 21, 59-70. | 0.9 | 14 |
| 20 | One-step M-estimators in the linear model, with dependent errors. Canadian Journal of Statistics, 1994, 22, 219-231. | 0.9 | 14 |
| 21 | Robust Designs Based on the Infinitesimal Approach. Journal of the American Statistical Association, 1997, 92, 1503-1511. | 3.1 | 14 |
| 22 | Robustness of Design in Dose-Response Studies. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2011, 73, 215-238. | 2.2 | 14 |
| 23 | Minimax Variance M-Estimators in ϵ -Contamination Models. Annals of Statistics, 1985, 13, . | 2.6 | 14 |
| 24 | Minimax Properties of M-, R- and L-Estimators of Location in Levy Neighbourhoods. Annals of Statistics, 1989, 17, 327. | 2.6 | 12 |
| 25 | Robust regression designs for approximate polynomial models. Journal of Statistical Planning and Inference, 2003, 117, 305-321. | 0.6 | 12 |
| 26 | Robustness in spatial studies II: minimax design. Environmetrics, 2005, 16, 205-217. | 1.4 | 12 |
| 27 | Robust estimators and designs for field experiments. Journal of Statistical Planning and Inference, 2008, 138, 93-104. | 0.6 | 10 |
| 28 | Asymptotics of generalized M-estimation of regression and scale with fixed carriers, in an approximately linear model. Statistics and Probability Letters, 1996, 30, 271-285. | 0.7 | 9 |
| 29 | Robust designs for one-point extrapolation. Journal of Statistical Planning and Inference, 2008, 138, 1339-1357. | 0.6 | 9 |
| 30 | Robustness of design for the testing of lack of fit and for estimation in binary response models. Computational Statistics and Data Analysis, 2010, 54, 3371-3378. | 1.2 | 9 |
| 31 | Robust model-based sampling designs. Statistics and Computing, 2013, 23, 689-701. | 1.5 | 9 |
| 32 | Model-Robust Designs for Quantile Regression. Journal of the American Statistical Association, 2015, 110, 233-245. | 3.1 | 9 |
| 33 | I-robust and D-robust designs on a finite design space. Statistics and Computing, 2018, 28, 241-258. | 1.5 | 9 |
| 34 | On moments of quadratic forms in non-spherically distributed variables. Statistics, 1992, 23, 265-270. | 0.6 | 8 |
| 35 | Robust designs for approximately linear regression: M-estimated parameters. Journal of Statistical Planning and Inference, 1994, 40, 135-160. | 0.6 | 8 |
| 36 | Robustness in spatial studies I: minimax prediction. Environmetrics, 2005, 16, 191-203. | 1.4 | 8 |

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|----|--|-----|-----------|
| 37 | Minimax Robust Designs and Weights for Approximately Specified Regression Models with Heteroscedastic Errors. <i>Journal of the American Statistical Association</i> , 1998, 93, 1440. | 3.1 | 8 |
| 38 | Robust Designs Based on the Infinitesimal Approach. <i>Journal of the American Statistical Association</i> , 1997, 92, 1503. | 3.1 | 8 |
| 39 | Jackknifing, weighting, diagnostics and variance estimation in generalized M-estimation. <i>Statistics and Probability Letters</i> , 2000, 46, 287-299. | 0.7 | 7 |
| 40 | New criteria for robust integer-valued designs in linear models. <i>Computational Statistics and Data Analysis</i> , 2006, 51, 723-736. | 1.2 | 6 |
| 41 | Minimax robust active learning for approximately specified regression models. <i>Canadian Journal of Statistics</i> , 2018, 46, 104-122. | 0.9 | 6 |
| 42 | Bayesian Minimally Supported D-Optimal Designs for an Exponential Regression Model. <i>Communications in Statistics - Theory and Methods</i> , 2004, 33, 1187-1204. | 1.0 | 5 |
| 43 | Robust static designs for approximately specified nonlinear regression models. <i>Journal of Statistical Planning and Inference</i> , 2014, 144, 55-62. | 0.6 | 5 |
| 44 | Maximin power designs in testing lack of fit. <i>Journal of Statistical Planning and Inference</i> , 2019, 199, 311-317. | 0.6 | 5 |
| 45 | Robust minimum information loss estimation. <i>Computational Statistics and Data Analysis</i> , 2013, 65, 98-112. | 1.2 | 4 |
| 46 | V-optimal designs for heteroscedastic regression. <i>Journal of Statistical Planning and Inference</i> , 2014, 145, 125-138. | 0.6 | 4 |
| 47 | Minimax weights for generalised M-estimation in biased regression models. <i>Canadian Journal of Statistics</i> , 2002, 30, 401-414. | 0.9 | 3 |
| 48 | Locally D-optimal designs for multistage models and heteroscedastic polynomial regression models. <i>Journal of Statistical Planning and Inference</i> , 2006, 136, 4059-4070. | 0.6 | 3 |
| 49 | Robust allocation schemes for clinical trials with prognostic factors. <i>Journal of Statistical Planning and Inference</i> , 2005, 127, 323-340. | 0.6 | 2 |
| 50 | Robust designs for series estimation. <i>Computational Statistics and Data Analysis</i> , 2008, 52, 4305-4324. | 1.2 | 2 |
| 51 | Designs for weighted least squares regression, with estimated weights. <i>Statistics and Computing</i> , 2013, 23, 391-401. | 1.5 | 2 |
| 52 | Model-robust designs for nonlinear quantile regression. <i>Statistical Methods in Medical Research</i> , 2021, 30, 221-232. | 1.5 | 2 |
| 53 | Robust designs for dose-response studies: Model and labelling robustness. <i>Computational Statistics and Data Analysis</i> , 2021, 158, 107189. | 1.2 | 2 |
| 54 | Robust active learning with binary responses. <i>Journal of Statistical Planning and Inference</i> , 2022, 220, 1-14. | 0.6 | 2 |

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|----|---|-----|-----------|
| 55 | Marginally restricted sequential Dâ€™optimal designs. Canadian Journal of Statistics, 2008, 36, 397-410. | 0.9 | 1 |
| 56 | Robust modelâ€‘based stratification sampling designs. Canadian Journal of Statistics, 2015, 43, 554-577. | 0.9 | 1 |
| 57 | A robust treatment of a doseâ€‘response study. Applied Stochastic Models in Business and Industry, 2012, 28, 164-173. | 1.5 | 0 |