

# Douglas M Bates

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

64,016  
citations

361413

20  
h-index

361022

35  
g-index

54  
all docs

54  
docs citations

54  
times ranked

81842  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | OpenMendel: a cooperative programming project for statistical genetics. <i>Human Genetics</i> , 2020, 139, 61-71.   | 3.8 | 29        |
| 2  | The cave of shadows: Addressing the human factor with generalized additive mixed models. <i>Journal of Memory and Language</i> , 2017, 94, 206-234.   | 2.1 | 135       |
| 3  | Balancing Type I error and power in linear mixed models. <i>Journal of Memory and Language</i> , 2017, 94, 305-315.   | 2.1 | 1,076     |
| 4  | Fitting Linear Mixed-Effects Models Using <code>lme4</code> . <i>Journal of Statistical Software</i> , 2015, 67, .  | 3.7 | 51,305    |
| 5  | International collaboration in psychology is on the rise. <i>Scientometrics</i> , 2011, 87, 149-158.  | 3.0 | 46        |
| 6  | Appendix 7. Key to Data Sets. <i>Wiley Series in Probability and Statistics</i> , 2008, , 329-333.  | 0.0 | 0         |
| 7  | An Empirical Study of Statistical Properties of Variance Partition Coefficients for Multi-Level Logistic Regression Models. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2008, 37, 2010-2026. | 1.2 | 11        |
| 8  | Mixed-Effects Models in Sand S-PLUS. <i>Statistics and Computing</i> , 2000, , .  | 0.2 | 7,039     |
| 9  | Multiresponse spline regression. <i>Computational Statistics and Data Analysis</i> , 1996, 22, 619-631.   | 1.2 | 9         |
| 10 | Unconstrained parametrizations for variance-covariance matrices. <i>Statistics and Computing</i> , 1996, 6, 289-296.  | 1.5 | 368       |
| 11 | Approximations to the Log-Likelihood Function in the Nonlinear Mixed-Effects Model. <i>Journal of Computational and Graphical Statistics</i> , 1995, 4, 12-35.  | 1.7 | 548       |
| 12 | Approximations to the Log-Likelihood Function in the Nonlinear Mixed-Effects Model. <i>Journal of Computational and Graphical Statistics</i> , 1995, 4, 12.   | 1.7 | 601       |
| 13 | Loosely coupled nonlinear least squares. <i>Computational Statistics and Data Analysis</i> , 1992, 14, 249-259.   | 1.2 | 9         |
| 14 | Approximate inferences in multiresponse regression analysis. <i>Biometrika</i> , 1990, 77, 321-331.   | 2.4 | 18        |
| 15 | Nonlinear Mixed Effects Models for Repeated Measures Data. <i>Biometrics</i> , 1990, 46, 673.   | 1.4 | 1,418     |
| 16 | Newton-Raphson and EM Algorithms for Linear Mixed-Effects Models for Repeated-Measures Data. <i>Journal of the American Statistical Association</i> , 1988, 83, 1014.   | 3.1 | 208       |
| 17 | Newton-Raphson and EM Algorithms for Linear Mixed-Effects Models for Repeated-Measures Data. <i>Journal of the American Statistical Association</i> , 1988, 83, 1014-1022.  | 3.1 | 626       |
| 18 | Gcvpack " routines for generalized cross validation. <i>Communications in Statistics Part B: Simulation and Computation</i> , 1987, 16, 263-297.  | 1.2 | 93        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | A Generalized Gauss-Newton Procedure for Multiresponse Parameter Estimation. SIAM Journal on Scientific and Statistical Computing, 1987, 8, 49-55.                             | 1.5 | 31        |
| 20 | [Computers in Statistical Research]: Comment. Statistical Science, 1986, 1, .  | 2.8 | 0         |
| 21 | Multiresponse Estimation With Special Application to Linear Systems of Differential Equations. Technometrics, 1985, 27, 329-339.   | 1.9 | 40        |
| 22 | Multiresponse Estimation with Special Application to Linear Systems of Differential Equations. Technometrics, 1985, 27, 329.   | 1.9 | 15        |
| 23 | A multi-response gauss-newton algorithm. Communications in Statistics Part B: Simulation and Computation, 1984, 13, 705-715.   | 1.2 | 16        |
| 24 | Non-negative regression by givens rotations. Communications in Statistics Part B: Simulation and Computation, 1984, 13, 841-850.   | 1.2 | 2         |
| 25 | Calculation of intrinsic and parameter-effects curvatures for nonlinear regression models. Communications in Statistics Part B: Simulation and Computation, 1983, 12, 469-477. | 1.2 | 37        |
| 26 | The Derivative of $ X\hat{\epsilon}^2X $ and Its Uses. Technometrics, 1983, 25, 373-376.   | 1.9 | 17        |
| 27 | The Derivative of $ X\hat{\epsilon}^2X $ and Its Uses. Technometrics, 1983, 25, 373.   | 1.9 | 10        |
| 28 | Accounting for Intrinsic Nonlinearity in Nonlinear Regression Parameter Inference Regions. Annals of Statistics, 1982, 10, 386.  | 2.6 | 82        |
| 29 | Parameter Transformations for Improved Approximate Confidence Regions in Nonlinear Least Squares. Annals of Statistics, 1981, 9, 1152.   | 2.6 | 93        |
| 30 | A Relative Off set Orthogonality Convergence Criterion for Nonlinear least Squares. Technometrics, 1981, 23, 179-183.  | 1.9 | 26        |
| 31 | A Relative Offset Orthogonality Convergence Criterion for Nonlinear Least Squares. Technometrics, 1981, 23, 179.   | 1.9 | 36        |
| 32 | LINEAR AND NONLINEAR MIXED-EFFECTS MODELS. Conference on Applied Statistics in Agriculture, 0, , .   | 0.0 | 33        |