

# Frank Bretz

## List of Publications by Year in descending order

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Version: 2024-02-01

166  
papers

16,575  
citations

76196

40  
h-index

17055

122  
g-index

180  
all docs

180  
docs citations

180  
times ranked

23591  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Simultaneous Inference in General Parametric Models. <i>Biometrical Journal</i> , 2008, 50, 346-363.  | 0.6 | 10,085    |
| 2  | Computation of Multivariate Normal and $t$ Probabilities. <i>Lecture Notes in Statistics</i> , 2009, , .  | 0.1 | 505       |
| 3  | Multiple Comparisons Using R. , 0, , .  |     | 389       |
| 4  | A graphical approach to sequentially rejective multiple test procedures. <i>Statistics in Medicine</i> , 2009, 28, 586-604.   | 0.8 | 311       |
| 5  | Combining Multiple Comparisons and Modeling Techniques in Dose-Response Studies. <i>Biometrics</i> , 2005, 61, 738-748.   | 0.8 | 305       |
| 6  | Comparison of Methods for the Computation of Multivariate $t$ Probabilities. <i>Journal of Computational and Graphical Statistics</i> , 2002, 11, 950-971.  | 0.9 | 266       |
| 7  | Confirmatory Seamless Phase II/III Clinical Trials with Hypotheses Selection at Interim: General Concepts. <i>Biometrical Journal</i> , 2006, 48, 623-634.  | 0.6 | 235       |
| 8  | Adaptive designs for confirmatory clinical trials. <i>Statistics in Medicine</i> , 2009, 28, 1181-1217.   | 0.8 | 208       |
| 9  | Innovative Approaches for Designing and Analyzing Adaptive Dose-Ranging Trials. <i>Journal of Biopharmaceutical Statistics</i> , 2007, 17, 965-995.   | 0.4 | 174       |
| 10 | Confirmatory adaptive designs with Bayesian decision tools for a targeted therapy in oncology. <i>Statistics in Medicine</i> , 2009, 28, 1445-1463.   | 0.8 | 168       |
| 11 | Twenty-five years of confirmatory adaptive designs: opportunities and pitfalls. <i>Statistics in Medicine</i> , 2016, 35, 325-347.  | 0.8 | 166       |
| 12 | Graphical approaches for multiple comparison procedures using weighted Bonferroni, Simes, or parametric tests. <i>Biometrical Journal</i> , 2011, 53, 894-913.                                      | 0.6 | 123       |
| 13 | Numerical computation of multivariate $t$ -probabilities with application to power calculation of multiple contrasts. <i>Journal of Statistical Computation and Simulation</i> , 1999, 63, 103-117. | 0.7 | 121       |
| 14 | Model-based dose finding under model uncertainty using general parametric models. <i>Statistics in Medicine</i> , 2014, 33, 1646-1661.  | 0.8 | 121       |
| 15 | Compatible simultaneous lower confidence bounds for the Holm procedure and other Bonferroni-based closed tests. <i>Statistics in Medicine</i> , 2008, 27, 4914-4927.                                | 0.8 | 104       |
| 16 | Assessment of Optimal Selected Prognostic Factors. <i>Biometrical Journal</i> , 2004, 46, 364-374.  | 0.6 | 101       |
| 17 | Confirmatory Seamless Phase II/III Clinical Trials with Hypotheses Selection at Interim: Applications and Practical Considerations. <i>Biometrical Journal</i> , 2006, 48, 635-643.                 | 0.6 | 101       |
| 18 | Optimal Designs for Dose-Finding Studies. <i>Journal of the American Statistical Association</i> , 2008, 103, 1225-1237.  | 1.8 | 96        |

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|----|---|-----|-----------|
| 19 | Estimands in clinical trials – broadening the perspective. <i>Statistics in Medicine</i> , 2017, 36, 5-19.  | 0.8 | 96        |
| 20 | Power and sample size when multiple endpoints are considered. <i>Pharmaceutical Statistics</i> , 2007, 6, 161-170.  | 0.7 | 90        |
| 21 | Adaptive Dunnett tests for treatment selection. <i>Statistics in Medicine</i> , 2008, 27, 1612-1625.  | 0.8 | 89        |
| 22 | On the Numerical Availability of Multiple Comparison Procedures. <i>Biometrical Journal</i> , 2001, 43, 645-656.  | 0.6 | 84        |
| 23 | Multiple Testing in Group Sequential Trials Using Graphical Approaches. <i>Statistics in Biopharmaceutical Research</i> , 2013, 5, 311-320.   | 0.6 | 81        |
| 24 | Dose Finding – A Challenge in Statistics. <i>Biometrical Journal</i> , 2008, 50, 480-504.   | 0.6 | 80        |
| 25 | Design and Analysis of Dose-Finding Studies Combining Multiple Comparisons and Modeling Procedures. <i>Journal of Biopharmaceutical Statistics</i> , 2006, 16, 639-656.   | 0.4 | 74        |
| 26 | Hierarchical testing of multiple endpoints in group sequential trials. <i>Statistics in Medicine</i> , 2010, 29, 219-228.   | 0.8 | 70        |
| 27 | Powerful short-cuts for multiple testing procedures with special reference to gatekeeping strategies. <i>Statistics in Medicine</i> , 2007, 26, 4063-4073.  | 0.8 | 69        |
| 28 | Beyond Randomized Clinical Trials: Use of External Controls. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 107, 806-816.  | 2.3 | 65        |
| 29 | Advanced multiplicity adjustment methods in clinical trials. <i>Statistics in Medicine</i> , 2014, 33, 693-713.   | 0.8 | 61        |
| 30 | –Threshold–crossing– A Useful Way to Establish the Counterfactual in Clinical Trials?. <i>Clinical Pharmacology and Therapeutics</i> , 2016, 100, 699-712.  | 2.3 | 61        |
| 31 | Practical considerations for optimal designs in clinical dose finding studies. <i>Statistics in Medicine</i> , 2010, 29, 731-742.   | 0.8 | 60        |
| 32 | A Simulation Study to Compare New Adaptive Dose–Ranging Designs. <i>Statistics in Biopharmaceutical Research</i> , 2010, 2, 487-512.  | 0.6 | 58        |
| 33 | <b>MCPMod</b> : An R Package for the Design and Analysis of Dose-Finding Studies. <i>Journal of Statistical Software</i> , 2009, 29, .  | 1.8 | 55        |
| 34 | An extension of the Williams trend test to general unbalanced linear models. <i>Computational Statistics and Data Analysis</i> , 2006, 50, 1735-1748.   | 0.7 | 53        |
| 35 | Advanced Methods for Dose and Regimen Finding During Drug Development: Summary of the EMA/EFPIA Workshop on Dose Finding (London 4–5 December 2014). <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2017, 6, 418-429. | 1.3 | 52        |
| 36 | Adaptive Dose-Response Studies. <i>Drug Information Journal</i> , 2006, 40, 451-461.  | 0.5 | 50        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Nonparametric All-Pairs Multiple Comparisons. <i>Biometrical Journal</i> , 2001, 43, 571-580.   | 0.6 | 47        |
| 38 | Test and power considerations for multiple endpoint analyses using sequentially rejective graphical procedures. <i>Statistics in Medicine</i> , 2011, 30, 1489-1501.  | 0.8 | 45        |
| 39 | Estimands and Their Role in Clinical Trials. <i>Statistics in Biopharmaceutical Research</i> , 2017, 9, 268-271.  | 0.6 | 45        |
| 40 | Bayesian predictive power for interim adaptation in seamless phase II/III trials where the endpoint is survival up to some specified timepoint. <i>Statistics in Medicine</i> , 2007, 26, 4925-4938.                                    | 0.8 | 44        |
| 41 | Optimal designs for the emax, log-linear and exponential models. <i>Biometrika</i> , 2010, 97, 513-518.   | 1.3 | 43        |
| 42 | Tutorial on statistical considerations on subgroup analysis in confirmatory clinical trials. <i>Statistics in Medicine</i> , 2017, 36, 1334-1360.   | 0.8 | 42        |
| 43 | Alterations of pre-mRNA splicing in human inflammatory bowel disease. <i>European Journal of Cell Biology</i> , 2011, 90, 603-611.  | 1.6 | 41        |
| 44 | Statistical Analysis of Monotone or Non-monotone Dose-Response Data from <i>In Vitro</i> Toxicological Assays. <i>ATLA Alternatives To Laboratory Animals</i> , 2003, 31, 81-96.  | 0.7 | 40        |
| 45 | Assessing Nonsuperiority, Noninferiority, or Equivalence When Comparing Two Regression Models Over a Restricted Covariate Region. <i>Biometrics</i> , 2009, 65, 1279-1287.  | 0.8 | 40        |
| 46 | Adaptive and Model-Based Dose-Ranging Trials: Quantitative Evaluation and Recommendations. White Paper of the PhRMA Working Group on Adaptive Dose-Ranging Studies. <i>Statistics in Biopharmaceutical Research</i> , 2010, 2, 435-454. | 0.6 | 40        |
| 47 | Machine learning for clinical trials in the era of COVID-19. <i>Statistics in Biopharmaceutical Research</i> , 2020, 12, 506-517.   | 0.6 | 40        |
| 48 | Model selection versus model averaging in dose finding studies. <i>Statistics in Medicine</i> , 2016, 35, 4021-4040.  | 0.8 | 37        |
| 49 | Analysis of Dose-Response Studies Modeling Approaches. , 2006, , 146-171.   |     | 37        |
| 50 | Simultaneous confidence sets and confidence intervals for multiple ratios. <i>Journal of Statistical Planning and Inference</i> , 2006, 136, 2640-2658.   | 0.4 | 36        |
| 51 | Response-adaptive dose-finding under model uncertainty. <i>Annals of Applied Statistics</i> , 2011, 5, .  | 0.5 | 34        |
| 52 | Type I error rate control in adaptive designs for confirmatory clinical trials with treatment selection at interim. <i>Pharmaceutical Statistics</i> , 2011, 10, 96-104.  | 0.7 | 33        |
| 53 | Estimands: discussion points from the PSI estimands and sensitivity expert group. <i>Pharmaceutical Statistics</i> , 2017, 16, 6-11.  | 0.7 | 32        |
| 54 | Clinical Trials Impacted by the COVID-19 Pandemic: Adaptive Designs to the Rescue?. <i>Statistics in Biopharmaceutical Research</i> , 2020, 12, 461-477.  | 0.6 | 31        |

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|----|--|-----|-----------|
| 55 | Detecting dose-response using contrasts: asymptotic power and sample size determination for binomial data. <i>Statistics in Medicine</i> , 2002, 21, 3325-3335.                              | 0.8 | 30        |
| 56 | Identifying effective and/or safe doses by stepwise confidence intervals for ratios. <i>Statistics in Medicine</i> , 2003, 22, 847-858.  | 0.8 | 29        |
| 57 | Efficient design and analysis of two colour factorial microarray experiments. <i>Computational Statistics and Data Analysis</i> , 2006, 50, 499-517.   | 0.7 | 29        |
| 58 | Equivalence of Regression Curves. <i>Journal of the American Statistical Association</i> , 2018, 113, 711-729.   | 1.8 | 29        |
| 59 | Simultaneous Confidence Bands for Nonlinear Regression Models with Application to Population Pharmacokinetic Analyses. <i>Journal of Biopharmaceutical Statistics</i> , 2011, 21, 708-725.   | 0.4 | 28        |
| 60 | TESTING DOSE-RESPONSE RELATIONSHIPS WITH A PRIORI UNKNOWN, POSSIBLY NONMONOTONE SHAPES. <i>Journal of Biopharmaceutical Statistics</i> , 2001, 11, 193-207.                                  | 0.4 | 26        |
| 61 | Challenges in Assessing the Impact of the COVID-19 Pandemic on the Integrity and Interpretability of Clinical Trials. <i>Statistics in Biopharmaceutical Research</i> , 2020, 12, 419-426.   | 0.6 | 26        |
| 62 | Evaluation of Animal Carcinogenicity Studies: Cochran-Armitage Trend Test vs. Multiple Contrast Tests. <i>Biometrical Journal</i> , 2000, 42, 553-567.                                       | 0.6 | 25        |
| 63 | Shortcuts for Locally Consonant Closed Test Procedures. <i>Journal of the American Statistical Association</i> , 2010, 105, 660-669.   | 1.8 | 25        |
| 64 | Comparison of Methods for the Computation of Multivariate t Probabilities. , 0, .  |     | 25        |
| 65 | Aesthetics and Power Considerations in Multiple Testing – A Contradiction?. <i>Biometrical Journal</i> , 2008, 50, 657-666.  | 0.6 | 24        |
| 66 | Multiplicity issues in microarray experiments. <i>Methods of Information in Medicine</i> , 2005, 44, 431-7.  | 0.7 | 23        |
| 67 | Pooling batches in drug stability study by using constant-width simultaneous confidence bands. <i>Statistics in Medicine</i> , 2007, 26, 2759-2771.  | 0.8 | 22        |
| 68 | Adaptivity in drug discovery and development. <i>Drug Development Research</i> , 2009, 70, 169-190.  | 1.4 | 22        |
| 69 | Multiple and Repeated Testing of Primary, Coprimary, and Secondary Hypotheses. <i>Statistics in Biopharmaceutical Research</i> , 2011, 3, 336-352.   | 0.6 | 22        |
| 70 | Memory and other properties of multiple test procedures generated by entangled graphs. <i>Statistics in Medicine</i> , 2013, 32, 1739-1753.  | 0.8 | 20        |
| 71 | MR imaging of lung parenchyma at 0.2T: evaluation of imaging techniques, comparative study with chest radiography and interobserver analysis. <i>European Radiology</i> , 2004, 14, 703-708. | 2.3 | 19        |
| 72 | Sample size and proportion of Japanese patients in multi-regional trials. <i>Pharmaceutical Statistics</i> , 2010, 9, 207-216.   | 0.7 | 18        |

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|----|--|-----|-----------|
| 73 | On the efficiency of two-stage response-adaptive designs. <i>Statistics in Medicine</i> , 2013, 32, 1646-1660.   | 0.8 | 18        |
| 74 | Some new methods for the comparison of two linear regression models. <i>Journal of Statistical Planning and Inference</i> , 2007, 137, 57-67.  | 0.4 | 17        |
| 75 | The distribution of extra-pair young within and among broods - a technique to calculate deviations from randomness. <i>Journal of Avian Biology</i> , 2001, 32, 358-363.                   | 0.6 | 16        |
| 76 | Power and sample size computations in simultaneous tests for non-inferiority based on relative margins. <i>Statistics in Medicine</i> , 2006, 25, 1131-1147.                               | 0.8 | 16        |
| 77 | Normal probability plots with confidence. <i>Biometrical Journal</i> , 2015, 57, 52-63.  | 0.6 | 15        |
| 78 | Multiple Hypotheses Testing Based on Ordered $p$ -Values" A Historical Survey with Applications to Medical Research. <i>Journal of Biopharmaceutical Statistics</i> , 2011, 21, 595-609.   | 0.4 | 14        |
| 79 | A simple and flexible graphical approach for adaptive group-sequential clinical trials. <i>Journal of Biopharmaceutical Statistics</i> , 2016, 26, 202-216.                                | 0.4 | 14        |
| 80 | Commentary on Parker and Weir. <i>Clinical Trials</i> , 2020, 17, 567-569.   | 0.7 | 14        |
| 81 | Reference range: Which statistical intervals to use?. <i>Statistical Methods in Medical Research</i> , 2021, 30, 523-534.  | 0.7 | 14        |
| 82 | The Evaluation of Multiple Clinical Endpoints, with Application to Asthma. <i>Drug Information Journal</i> , 1999, 33, 471-477.  | 0.5 | 13        |
| 83 | Multiplicity and replicability: two sides of the same coin. <i>Pharmaceutical Statistics</i> , 2014, 13, 343-344.  | 0.7 | 13        |
| 84 | A unified framework for weighted parametric multiple test procedures. <i>Biometrical Journal</i> , 2017, 59, 918-931.  | 0.6 | 13        |
| 85 | Assessing the similarity of dose response and target doses in two non-overlapping subgroups. <i>Statistics in Medicine</i> , 2018, 37, 722-738.  | 0.8 | 12        |
| 86 | Robustness considerations in selecting efficient two-color microarray designs. <i>Bioinformatics</i> , 2009, 25, 2355-2361.  | 1.8 | 11        |
| 87 | Estimands and the Patient Journey: Addressing the Right Question in Oncology Clinical Trials. <i>JCO Precision Oncology</i> , 2019, 3, 1-10.   | 1.5 | 11        |
| 88 | Title is missing!. <i>Environmental and Ecological Statistics</i> , 2000, 7, 135-154.  | 1.9 | 10        |
| 89 | Multiple Comparison Procedures in Linear Models. , 2008, , 423-431.  |     | 10        |
| 90 | Discussion of "Some Controversial Multiple Testing Problems in Regulatory Applications" by H. M. J. Hung and S.-J. Wang. <i>Journal of Biopharmaceutical Statistics</i> , 2009, 19, 25-34. | 0.4 | 10        |

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|-----|---|-----|-----------|
| 91  | Simultaneous confidence bands for all contrasts of three or more simple linear regression models over an interval. <i>Computational Statistics and Data Analysis</i> , 2010, 54, 1475-1483.   | 0.7 | 10        |
| 92  | Simultaneous inference for several quantiles of a normal population with applications. <i>Biometrical Journal</i> , 2013, 55, 360-369.  | 0.6 | 10        |
| 93  | Confidence Sets for Optimal Factor Levels of a Response Surface. <i>Biometrics</i> , 2016, 72, 1285-1293.   | 0.8 | 10        |
| 94  | Statistical calibration and exact one-sided simultaneous tolerance intervals for polynomial regression. <i>Journal of Statistical Planning and Inference</i> , 2016, 168, 90-96.  | 0.4 | 10        |
| 95  | Adaptive designs: The Swiss Army knife among clinical trial designs?. <i>Clinical Trials</i> , 2017, 14, 417-424.   | 0.7 | 10        |
| 96  | Efficient two-sample designs for microarray experiments with biological replications. <i>In Silico Biology</i> , 2004, 4, 461-70.   | 0.4 | 10        |
| 97  | Estimands and Complex Innovative Designs. <i>Clinical Pharmacology and Therapeutics</i> , 2022, 112, 1183-1190.   | 2.3 | 10        |
| 98  | From Adaptive Design to Modern Protocol Design for Drug Development: Part I. Editorial and Summary of Adaptive Designs Session at the Third FDA/DIA Statistics Forum. <i>Drug Information Journal</i> , 2010, 44, 325-331.                          | 0.5 | 9         |
| 99  | Dose Response Signal Detection under Model Uncertainty. <i>Biometrics</i> , 2015, 71, 996-1008.   | 0.8 | 9         |
| 100 | Estimands and their Estimators for Clinical Trials Impacted by the COVID-19 Pandemic: A Report from the NISS Ingram Olkin Forum Series on Unplanned Clinical Trial Disruptions. <i>Statistics in Biopharmaceutical Research</i> , 2023, 15, 94-111. | 0.6 | 9         |
| 101 | Trimmed Weighted Simes' Test for Two One-Sided Hypotheses With Arbitrarily Correlated Test Statistics. <i>Biometrical Journal</i> , 2009, 51, 885-898.  | 0.6 | 8         |
| 102 | Data Monitoring in Adaptive Dose-Ranging Trials. <i>Statistics in Biopharmaceutical Research</i> , 2010, 2, 513-521.  | 0.6 | 8         |
| 103 | Optimal designs for dose finding studies with an active control. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2014, 76, 265-295.   | 1.1 | 8         |
| 104 | Flexible alpha allocation strategies for confirmatory adaptive enrichment clinical trials with a prespecified subgroup. <i>Statistics in Medicine</i> , 2018, 37, 3387-3402.  | 0.8 | 8         |
| 105 | Replicability, Reproducibility, and Multiplicity in Drug Development. <i>Chance</i> , 2019, 32, 4-11.   | 0.1 | 8         |
| 106 | Adaptive designs based on the truncated product method. <i>BMC Medical Research Methodology</i> , 2005, 5, 30.  | 1.4 | 7         |
| 107 | Exact Simultaneous Confidence Bands for Quadratic and Cubic Polynomial Regression with Applications in Dose Response Study. <i>Australian and New Zealand Journal of Statistics</i> , 2013, 55, 421-434.  | 0.4 | 7         |
| 108 | Optimal designs for active controlled dose-finding trials with efficacy-toxicity outcomes. <i>Biometrika</i> , 2017, 104, 1003-1010.  | 1.3 | 7         |

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|-----|--|-----|-----------|
| 109 | Connecting Instrumental Variable methods for causal inference to the Estimand Framework. <i>Statistics in Medicine</i> , 2021, 40, 5605-5627.  | 0.8 | 7         |
| 110 | Preface: <i>Biom. J.</i> 1/2007. <i>Biometrical Journal</i> , 2007, 49, 5-6.   | 0.6 | 6         |
| 111 | A note on testing families of hypotheses using graphical procedures. <i>Statistics in Medicine</i> , 2014, 33, 5340-5346.  | 0.8 | 6         |
| 112 | Multiplicity in confirmatory clinical trials: a case study with discussion from a JSM panel. <i>Statistics in Medicine</i> , 2015, 34, 3461-3480.  | 0.8 | 6         |
| 113 | Simultaneous confidence bands for a percentile line in linear regression. <i>Computational Statistics and Data Analysis</i> , 2015, 81, 1-9.   | 0.7 | 6         |
| 114 | Equivalence of regression curves sharing common parameters. <i>Biometrics</i> , 2020, 76, 518-529.   | 0.8 | 6         |
| 115 | Editorial: Roles of Hypothesis Testing, p-Values and Decision Making in Biopharmaceutical Research. <i>Statistics in Biopharmaceutical Research</i> , 2021, 13, 1-5.   | 0.6 | 6         |
| 116 | Estimands – What they are and why they are important for pharmacometricians. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2021, 10, 279-282.   | 1.3 | 6         |
| 117 | Panel forum on multiple comparison procedures: A commentary from a complex trial design and analysis plan. <i>Biometrical Journal</i> , 2013, 55, 275-293.   | 0.6 | 5         |
| 118 | Some Practical Considerations for Phase III Studies With Biomarker Evaluations. <i>Journal of Clinical Oncology</i> , 2014, 32, 854-855.   | 0.8 | 5         |
| 119 | An Exact Confidence Set for a Maximum Point of a Univariate Polynomial Function in a Given Interval. <i>Technometrics</i> , 2015, 57, 559-565.   | 1.3 | 5         |
| 120 | Symmetric graphs for equally weighted tests, with application to the Hochberg procedure. <i>Statistics in Medicine</i> , 2019, 38, 5268-5282.  | 0.8 | 5         |
| 121 | Statistical Challenges in the Conduct and Management of Ongoing Clinical Trials During the COVID-19 Pandemic. <i>Statistics in Biopharmaceutical Research</i> , 2020, 12, 397-398.                               | 0.6 | 5         |
| 122 | Approaches for Optimal Dose Selection for Adaptive Design Trials. <i>Statistics in the Health Sciences</i> , 2014, , 125-137.  | 0.2 | 5         |
| 123 | Choosing clinically interpretable summary measures and robust analytic procedures for quantifying the treatment difference in comparative clinical studies. <i>Statistics in Medicine</i> , 2021, 40, 6235-6242. | 0.8 | 5         |
| 124 | Critical point and power calculations for the studentized range test for generally correlated means. <i>Journal of Statistical Computation and Simulation</i> , 2001, 71, 85-97.                                 | 0.7 | 4         |
| 125 | Comparison of Exact and Resampling Based Multiple Testing Procedures. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2003, 32, 461-473.  | 0.6 | 4         |
| 126 | Simultaneous Tests and Confidence Intervals for the Evaluation of Agricultural Field Trials. <i>Agronomy Journal</i> , 2004, 96, 1323-1330.  | 0.9 | 4         |



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|-----|--|-----|-----------|
| 127 | Multiple confidence intervals for selected parameters adjusted for the false coverage rate in monotone dose-response microarray experiments. <i>Biometrical Journal</i> , 2017, 59, 732-745.                 | 0.6 | 4         |
| 128 | Comparison of normal distribution-based and nonparametric decision limits on the GH&#x2014;2000 score for detecting growth hormone misuse (doping) in sport. <i>Biometrical Journal</i> , 2021, 63, 187-200. | 0.6 | 4         |
| 129 | Missing data imputation in clinical trials using recurrent neural network facilitated by clustering and oversampling. <i>Biometrical Journal</i> , 2022, 64, 863-882.  | 0.6 | 4         |
| 130 | One-sided Simultaneous Confidence Intervals for Effective Dose Steps in Unbalanced Designs. <i>Biometrical Journal</i> , 2000, 42, 995-1006.   | 0.6 | 3         |
| 131 | Dose-Response and Thresholds in Mutagenicity Studies: A Statistical Testing Approach. <i>ATLA Alternatives To Laboratory Animals</i> , 2003, 31, 97-103.   | 0.7 | 3         |
| 132 | Directional Error Rates of Closed Testing Procedures. <i>Statistics in Biopharmaceutical Research</i> , 2013, 5, 345-355.  | 0.6 | 3         |
| 133 | Designing dose-finding studies with an active control for exponential families. <i>Biometrika</i> , 2015, 102, 937-950.  | 1.3 | 3         |
| 134 | Simultaneous Confidence Tubes in Multivariate Linear Regression. <i>Scandinavian Journal of Statistics</i> , 2016, 43, 879-885.  | 0.9 | 3         |
| 135 | Key Aspects of Modern, Quantitative Drug Development. <i>Statistics in Biosciences</i> , 2018, 10, 283-296.  | 0.6 | 3         |
| 136 | Discussion on 'Correct and logical causal inference for binary and time-to-event outcomes in randomized controlled trials'. <i>Biometrical Journal</i> , 2022, 64, 243-245.                                  | 0.6 | 3         |
| 137 | Multiplicity in Clinical Trials. , 2010, , 889-896.  |     | 3         |
| 138 | Clinical and Statistical Perspectives on the ICH E9(R1) Estimand Framework Implementation. <i>Statistics in Biopharmaceutical Research</i> , 2023, 15, 554-559.  | 0.6 | 3         |
| 139 | Obtaining Critical Values for Simultaneous Confidence Intervals and Multiple Testing. <i>Biometrical Journal</i> , 2001, 43, 657-663.  | 0.6 | 2         |
| 140 | Bayesian Two-Stage Dose Finding for Cytostatic Agents Via Model Adaptation. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2016, 65, 465-482.                                | 0.5 | 2         |
| 141 | Comparing a stratified treatment strategy with the standard treatment in randomized clinical trials. <i>Statistics in Medicine</i> , 2016, 35, 5325-5337.  | 0.8 | 2         |
| 142 | The MCP-Mod Methodology: Practical Considerations and the DoseFinding R Package. , 2017, , 205-227.  |     | 2         |
| 143 | Confidence Sets for Statistical Classification. <i>Stats</i> , 2019, 2, 332-346.   | 0.5 | 2         |
| 144 | Commentary on 'Statistics at FDA: Reflections on the Past Six Years'. <i>Statistics in Biopharmaceutical Research</i> , 2019, 11, 20-25.   | 0.6 | 2         |

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|-----|--|-----|-----------|
| 145 | Testing for similarity of binary efficacy-toxicity responses. <i>Biostatistics</i> , 2022, 23, 949-966.  | 0.9 | 2         |
| 146 | Efficient and easy-to-use sample size formulas in ratio-based non-inferiority tests. <i>Journal of Applied Statistics</i> , 2008, 35, 893-900.   | 0.6 | 1         |
| 147 | MCP2009 – 6 <sup>th</sup> International Conference on Multiple Comparison Procedures. <i>Biometrical Journal</i> , 2010, 52, 705-707.  | 0.6 | 1         |
| 148 | Multiple Contrast Tests for Testing Dose-Response Relationships Under Order-Restricted Alternatives. , 2012, , 233-247.  |     | 1         |
| 149 | Authors' response to comments. <i>Statistics in Medicine</i> , 2016, 35, 364-367.  | 0.8 | 1         |
| 150 | Multiple Test Strategies for Comparing Several Doses with a Control in Confirmatory Trials. , 2017, , 279-290.   |     | 1         |
| 151 | Confidence Sets for Statistical Classification (II): Exact Confidence Sets. <i>Stats</i> , 2019, 2, 439-446.   | 0.5 | 1         |
| 152 | Graphical approaches for the control of generalized error rates. <i>Statistics in Medicine</i> , 2020, 39, 3135-3155.  | 0.8 | 1         |
| 153 | Simultaneous confidence tubes for comparing several multivariate linear regression models. <i>Biometrical Journal</i> , 2021, , .  | 0.6 | 1         |
| 154 | Adaptive Trial Designs. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2011, , 109-130.  | 0.2 | 1         |
| 155 | Adaptive Dose-Ranging Studies. , 2010, , 11-1-11-16.   |     | 1         |
| 156 | Statistical Issues and Challenges in Clinical Trials for COVID-19 Treatments, Vaccines, Medical Devices and Diagnostics. <i>Statistics in Biopharmaceutical Research</i> , 0, , 1-4.   | 0.6 | 1         |
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