

Curtis B Storlie

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,878
citations

331670

21
h-index

265206

42
g-index

57
all docs

57
docs citations

57
times ranked

2169
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Implementation and evaluation of nonparametric regression procedures for sensitivity analysis of computationally demanding models. Reliability Engineering and System Safety, 2009, 94, 1735-1763. | 8.9 | 257 |
| 2 | Graph-based malware detection using dynamic analysis. Journal in Computer Virology, 2011, 7, 247-258. | 1.9 | 209 |
| 3 | Multiple predictor smoothing methods for sensitivity analysis: Description of techniques. Reliability Engineering and System Safety, 2008, 93, 28-54. | 8.9 | 141 |
| 4 | Scan Statistics for the Online Detection of Locally Anomalous Subgraphs. Technometrics, 2013, 55, 403-414. | 1.9 | 95 |
| 5 | Surface estimation, variable selection, and the nonparametric oracle property. Statistica Sinica, 2011, 21, 679. | 0.3 | 83 |
| 6 | Numerical modeling and uncertainty quantification of a bubbling fluidized bed with immersed horizontal tubes. Powder Technology, 2014, 253, 733-743. | 4.2 | 81 |
| 7 | The Fragility Index: a <i>P</i> -value in sheep's clothing?. European Heart Journal, 2017, 38, ehw495. | 2.2 | 72 |
| 8 | Safety of Overlapping Surgery at a High-volume Referral Center. Annals of Surgery, 2017, 265, 639-644. | 4.2 | 62 |
| 9 | Variable Selection in Bayesian Smoothing Spline ANOVA Models: Application to Deterministic Computer Codes. Technometrics, 2009, 51, 110-120. | 1.9 | 59 |
| 10 | Transport, Zwitterions, and the Role of Water for CO ₂ Adsorption in Mesoporous Silica-Supported Amine Sorbents. Journal of Physical Chemistry C, 2013, 117, 26617-26627. | 3.1 | 59 |
| 11 | Correlations Between COVID-19 Cases and Google Trends Data in the United States: A State-by-State Analysis. Mayo Clinic Proceedings, 2020, 95, 2370-2381. | 3.0 | 52 |
| 12 | Multiple predictor smoothing methods for sensitivity analysis: Example results. Reliability Engineering and System Safety, 2008, 93, 55-77. | 8.9 | 50 |
| 13 | Regional and Temporal Trends in the Outcomes of Repairs for Acute Type A Aortic Dissections. Annals of Thoracic Surgery, 2020, 109, 26-33. | 1.3 | 50 |
| 14 | Autism Spectrum Disorder: Incidence and Time Trends Over Two Decades in a Population-Based Birth Cohort. Journal of Autism and Developmental Disorders, 2019, 49, 1455-1474. | 2.7 | 45 |
| 15 | Prevalence of and Recovery From Anemia Following Hospitalization for Critical Illness Among Adults. JAMA Network Open, 2020, 3, e2017843. | 5.9 | 41 |
| 16 | Incidence and Management of Late Adverse Radiation Effects After Arteriovenous Malformation Radiosurgery. Neurosurgery, 2017, 81, 928-934. | 1.1 | 37 |
| 17 | Analysis of computationally demanding models with continuous and categorical inputs. Reliability Engineering and System Safety, 2013, 113, 30-41. | 8.9 | 32 |
| 18 | Comparative analysis of arteriovenous malformation grading scales in predicting outcomes after stereotactic radiosurgery. Journal of Neurosurgery, 2017, 126, 852-858. | 1.6 | 31 |

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|----|--|-----|-----------|
| 19 | Calibration of Computational Models With Categorical Parameters and Correlated Outputs via Bayesian Smoothing Spline ANOVA. <i>Journal of the American Statistical Association</i> , 2015, 110, 68-82. | 3.1 | 30 |
| 20 | Assessment of the Impact of Cosmic-Ray-Induced Neutrons on Hardware in the Roadrunner Supercomputer. <i>IEEE Transactions on Device and Materials Reliability</i> , 2012, 12, 445-454. | 2.0 | 29 |
| 21 | A Bayesian Approach to Multistate Hidden Markov Models: Application to Dementia Progression. <i>Journal of the American Statistical Association</i> , 2020, 115, 16-31. | 3.1 | 28 |
| 22 | Stacked classifiers for individualized prediction of glycemic control following initiation of metformin therapy in type 2 diabetes. <i>Computers in Biology and Medicine</i> , 2018, 103, 109-115. | 7.0 | 22 |
| 23 | Implementation of Bar-Code Medication Administration to Reduce Patient Harm. <i>Mayo Clinic Proceedings Innovations, Quality & Outcomes</i> , 2018, 2, 342-351. | 2.4 | 21 |
| 24 | Pragmatic cluster randomized trial to evaluate effectiveness and implementation of enhanced EHR-facilitated cancer symptom control (E2C2). <i>Trials</i> , 2020, 21, 480. | 1.6 | 19 |
| 25 | Improving the delivery of palliative care through predictive modeling and healthcare informatics. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 1065-1073. | 4.4 | 19 |
| 26 | Risk of 30-Day Hospital Readmission Among Patients Discharged to Skilled Nursing Facilities: Development and Validation of a Risk-Prediction Model. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 444-450.e2. | 2.5 | 18 |
| 27 | Reproducing Kernel Hilbert Spaces for Penalized Regression: A Tutorial. <i>American Statistician</i> , 2012, 66, 50-60. | 1.6 | 17 |
| 28 | Hierarchical calibration and validation of computational fluid dynamics models for solid sorbent-based carbon capture. <i>Powder Technology</i> , 2016, 288, 388-406. | 4.2 | 17 |
| 29 | Incorporation of Treatment Response, Tumor Grade and Receptor Status Improves Staging Quality in Breast Cancer Patients Treated with Neoadjuvant Chemotherapy. <i>Annals of Surgical Oncology</i> , 2017, 24, 3510-3517. | 1.5 | 17 |
| 30 | Upscaling Uncertainty with Dynamic Discrepancy for a Multi-Scale Carbon Capture System. <i>Journal of the American Statistical Association</i> , 2017, 112, 1453-1467. | 3.1 | 17 |
| 31 | A Locally Adaptive Penalty for Estimation of Functions With Varying Roughness. <i>Journal of Computational and Graphical Statistics</i> , 2010, 19, 569-589. | 1.7 | 16 |
| 32 | Assessing the Safety of Overlapping Surgery at a Children's Hospital. <i>Annals of Surgery</i> , 2018, 268, e24-e27. | 4.2 | 15 |
| 33 | Subroutine based detection of APT malware. <i>Journal of Computer Virology and Hacking Techniques</i> , 2016, 12, 225-233. | 2.2 | 14 |
| 34 | Anemia in Critically Ill Patients With Acute Respiratory Distress Syndrome and Posthospitalization Physical Outcomes. <i>Journal of Intensive Care Medicine</i> , 2021, 36, 557-565. | 2.8 | 14 |
| 35 | Methods for Characterizing and Comparing Populations of Shock Wave Curves. <i>Technometrics</i> , 2013, 55, 436-449. | 1.9 | 12 |
| 36 | Clustering and variable selection in the presence of mixed variable types and missing data. <i>Statistics in Medicine</i> , 2018, 37, 2884-2899. | 1.6 | 10 |

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|----|--|-----|-----------|
| 37 | Deployment of an Interdisciplinary Predictive Analytics Task Force to Inform Hospital Operational Decision-Making During the COVID-19 Pandemic. Mayo Clinic Proceedings, 2021, 96, 690-698. | 3.0 | 9 |
| 38 | Quantifying the Importance of COVID-19 Vaccination to Our Future Outlook. Mayo Clinic Proceedings, 2021, 96, 1890-1895. | 3.0 | 9 |
| 39 | Prediction and Inference With Missing Data in Patient Alert Systems. Journal of the American Statistical Association, 2020, 115, 32-46. | 3.1 | 8 |
| 40 | A Bayesian Reliability Analysis of Neutron-Induced Errors in High Performance Computing Hardware. Journal of the American Statistical Association, 2013, 108, 429-440. | 3.1 | 7 |
| 41 | Study of MEPDG Sensitivity Using Nonparametric Regression Procedures. Journal of Computing in Civil Engineering, 2014, 28, 134-144. | 4.7 | 7 |
| 42 | Safety of Overlapping Surgery at a High-volume Referral Center. Annals of Surgery, 2018, 267, e91-e92. | 4.2 | 7 |
| 43 | Malware Detection Using Nonparametric Bayesian Clustering and Classification Techniques. Technometrics, 2015, 57, 535-546. | 1.9 | 6 |
| 44 | Functional regression-based monitoring of quality of service in hospital emergency departments. IIEE Transactions, 2019, 51, 1012-1024. | 2.4 | 6 |
| 45 | Measuring the impact of ambulatory red blood cell transfusion on home functional status: study protocol for a pilot randomized controlled trial. Trials, 2017, 18, 153. | 1.6 | 5 |
| 46 | Utilization of Mobility Data in the Fight Against COVID-19. Mayo Clinic Proceedings Innovations, Quality & Outcomes, 2020, 4, 733-735. | 2.4 | 5 |
| 47 | Challenges of Modeling Outcomes for Surgical Infections: A Word of Caution. Surgical Infections, 2021, 22, 523-531. | 1.4 | 4 |
| 48 | Spatiotemporal Modeling of Node Temperatures in Supercomputers. Journal of the American Statistical Association, 2017, 112, 92-108. | 3.1 | 3 |
| 49 | Prediction of individual outcomes for asthma sufferers. Biostatistics, 2018, 19, 579-593. | 1.5 | 3 |
| 50 | Sequential Optimization in Locally Important Dimensions. Technometrics, 2021, 63, 236-248. | 1.9 | 3 |
| 51 | Use of a Computerized Algorithm to Evaluate the Proportion and Causes of Potentially Preventable Readmissions Among Patients Discharged to Skilled Nursing Facilities. Journal of the American Medical Directors Association, 2021, 22, 1060-1066. | 2.5 | 2 |
| 52 | Modeling material stress using integrated Gaussian Markov random fields. Journal of Applied Statistics, 2020, 47, 1616-1636. | 1.3 | 1 |
| 53 | Sensitivity analysis in classification using Bayesian smoothing spline ANOVA probit regression. Canadian Journal of Statistics, 0, , . | 0.9 | 1 |
| 54 | Associations of Skilled Nursing Facility Quality Ratings With 30-Day Rehospitalizations and Emergency Department Visits. Annals of Long-Term Care, 2020, 28, e11-e17. | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Early Detection of Post-Surgical Complications using Time-series Electronic Health Records. AMIA Summits on Translational Science Proceedings, 2021, 2021, 152-160. | 0.4 | 0 |
| 56 | Randomized Trial of a Novel Artificial Intelligence/Machine Learning Model to Predict the Need for Specialty Palliative Care. Journal of Pain and Symptom Management, 2022, 63, 879-880. | 1.2 | 0 |