Guogen Shan

List of Publications by Year
in descending order

106 papers	1,547 citations	448610 19 h-index	488211 31 g-index
109 all docs	109 docs citations	109 times ranked	1553 citing authors

#	Article	IF	Citations
1	New Confidence Intervals for Relative Risk of Two Correlated Proportions. Statistics in Biosciences, 2023, 15, 1-30.	0.6	4
2	Inpatient palliative care utilisation among patients with gallbladder cancer in the United States: A 10‑year perspective. European Journal of Cancer Care, 2022, 31, e13520.	0.7	4
3	Randomized two-stage optimal design for interval-censored data. Journal of Biopharmaceutical Statistics, 2022, 32, 298-307.	0.4	4
4	Planning for Safe Hospital Discharge by Identifying Patients Likely to Fall After Discharge. Physical Therapy, 2022, 102, .	1.1	3
5	Partial Correlation Coefficient for a Study With Repeated Measurements. Statistics in Biopharmaceutical Research, 2021, 13, 448-454.	0.6	7
6	Concussion occurrence and recognition in professional boxing and MMA matches: toward a concussion protocol in combat sports. Physician and Sportsmedicine, 2021, 49, 469-475.	1.0	11
7	Effect of Weight Class on Regional Brain Volume, Cognition, and Other Neuropsychiatric Outcomes among Professional Fighters. Neurotrauma Reports, 2021, 2, 169-179.	0.5	8
8	Advanced statistical methods and designs for clinical trials for COVID-19. International Journal of Antimicrobial Agents, 2021, 57, 106167.	1.1	8
9	Bootstrap confidence intervals for correlation between continuous repeated measures. Statistical Methods and Applications, 2021, 30, 1175.	0.7	2
10	Machine learning methods to predict amyloid positivity using domain scores from cognitive tests. Scientific Reports, 2021, 11, 4822.	1.6	11
11	Optimal two-stage designs based on restricted mean survival time for a single-arm study. Contemporary Clinical Trials Communications, 2021, 21, 100732.	0.5	10
12	Using the health belief model to assess the impact of student pharmacist-led health outreach events. Currents in Pharmacy Teaching and Learning, 2021, 13, 694-698.	0.4	1
13	Assessing Clinical Change in Individuals Exposed to Repetitive Head Impacts: The Repetitive Head Impact Composite Index. Frontiers in Neurology, 2021, 12, 605318.	1.1	2
14	Missed Physical Therapy Treatments in the Acute Hospital: Toward a More Complete Understanding. Journal of Acute Care Physical Therapy, 2021, 12, 158-164.	0.0	1
15	Letter to the Editor: A novel confidence interval for a single proportion in the presence of clustered binary outcome data (SMMR, 2019). Statistical Methods in Medical Research, 2020, 29, 636-637.	0.7	14
16	The effect of age of first exposure to competitive fighting on cognitive and other neuropsychiatric symptoms and brain volume. International Review of Psychiatry, 2020, 32, 89-95.	1.4	18
17	The longitudinal associations between cognition, mood and striatal dopaminergic binding in Parkinson's Disease. Aging, Neuropsychology, and Cognition, 2020, 27, 581-594.	0.7	17
18	Exact confidence limits for proportion difference in clinical trials with bilateral outcome. Statistical Methods and Applications, 2020, 29, 515-525.	0.7	0

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19	The Relationship Between Fighting Style, Cognition, and Regional Brain Volume in Professional Combatants: A Preliminary Examination Using Brief Neurocognitive Measures. Journal of Head Trauma Rehabilitation, 2020, 35, E280-E287.	1.0	10
20	Sex Differences in Cognitive Changes in De Novo Parkinson's Disease. Journal of the International Neuropsychological Society, 2020, 26, 241-249.	1.2	7
21	Longitudinal change in regional brain volumes with exposure to repetitive head impacts. Neurology, 2020, 94, e232-e240.	1.5	37
22	Estimation of bias-corrected intraclass correlation coefficient for unbalanced clustered studies with continuous outcomes. Communications in Statistics Part B: Simulation and Computation, 2020, , 1-10.	0.6	0
23	Evaluation of Guideline Recommendations for Dual Antipseudomonal Therapy in Hospitalized Adults with Pneumonia Using Combination Antibiograms. Pharmacotherapy, 2020, 40, 1089-1098.	1.2	5
24	Accurate confidence intervals for risk difference in meta-analysis with rare events. BMC Medical Research Methodology, 2020, 20, 98.	1.4	4
25	Sex Moderates the Relationship That Number of Professional Fights Has With Cognition and Brain Volumes. Frontiers in Neurology, 2020, 11, 574458.	1.1	4
26	Optimized elastic network models with direct characterization of inter-residue cooperativity for protein dynamics. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, PP, 1-1.	1.9	3
27	Comments on "Exact inference for the random-effect model for meta-analyses with rare events". Statistics in Medicine, 2020, 39, 3022-3023.	0.8	1
28	Two-stage optimal designs based on exact variance for a single-arm trial with survival endpoints. Journal of Biopharmaceutical Statistics, 2020, 30, 797-805.	0.4	6
29	Exact Unconditional Tests for Dichotomous Data When Comparing Multiple Treatments With a Single Control. Therapeutic Innovation and Regulatory Science, 2020, 54, 411-417.	0.8	10
30	Correlation Coefficients for a Study with Repeated Measures. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-11.	0.7	29
31	Accurate confidence intervals for proportion in studies with clustered binary outcome. Statistical Methods in Medical Research, 2020, 29, 3006-3018.	0.7	11
32	Exact Tests for Disease Prevalence Studies With Partially Validated Data. Statistics in Biopharmaceutical Research, 2019, 11, 266-273.	0.6	1
33	Adaptive two-stage optimal designs for phase II clinical studies that allow early futility stopping. Sequential Analysis, 2019, 38, 199-213.	0.2	12
34	Rejoinder to "Efficient statistical inference for a parallel study with missing data by using an exact method". Journal of Biopharmaceutical Statistics, 2019, 29, 1174-1175.	0.4	0
35	Exact Unconditional Tests for Dichotomous Data When Comparing Multiple Treatments With a Single Control. Therapeutic Innovation and Regulatory Science, 2019, , 216847901881469.	0.8	2
36	Associations between Comorbid TDP-43, Lewy Body Pathology, and Neuropsychiatric Symptoms in Alzheimer's Disease. Journal of Alzheimer's Disease, 2019, 69, 953-961.	1.2	36

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37	Two-Stage Bagging Pruning for Reducing the Ensemble Size and Improving the Classification Performance. Mathematical Problems in Engineering, 2019, 2019, 1-17.	0.6	12
38	Two-stage optimal designs with survival endpoint when the follow-up time is restricted. BMC Medical Research Methodology, 2019, 19, 74.	1.4	11
39	Efficient statistical inference for a parallel study with missing data by using an exact method. Journal of Biopharmaceutical Statistics, 2019, 29, 478-490.	0.4	3
40	Trends and Related Factors of Cannabis-Associated Emergency Department Visits in the United States: 2006â€"2014. Journal of Addiction Medicine, 2019, 13, 193-200.	1.4	31
41	Non-motor predictors of freezing of gait in Parkinsonâ€™s disease. Gait and Posture, 2019, 68, 311-316.	0.6	41
42	Longitudinal Performance of Plasma Neurofilament Light and Tau in Professional Fighters: The Professional Fighters Brain Health Study. Journal of Neurotrauma, 2018, 35, 2351-2356.	1.7	43
43	Accurate unconditional p-values for a two-arm study with binary endpoints. Journal of Statistical Computation and Simulation, 2018, 88, 1200-1210.	0.7	3
44	Determining sample size for a binary diagnostic test in the presence of verification bias. Journal of Biopharmaceutical Statistics, 2018, 28, 1193-1202.	0.4	1
45	Exact confidence limits for the response rate in two-stage designs with over- or under-enrollment in the second stage. Statistical Methods in Medical Research, 2018, 27, 1045-1055.	0.7	26
46	Sample size calculation for agreement between two raters with binary endpoints using exact tests. Statistical Methods in Medical Research, 2018, 27, 2132-2141.	0.7	9
47	Sample size determination for a matchedâ€pairs study with incomplete data using exact approach. British Journal of Mathematical and Statistical Psychology, 2018, 71, 60-74.	1.0	10
48	Biomarkers of Cognitive Impairment. Alzheimer Disease and Associated Disorders, 2018, 32, 255-257.	0.6	3
49	Optimal inference for Simon's two-stage design with over or under enrollment at the second stage. Communications in Statistics Part B: Simulation and Computation, 2018, 47, 1157-1167.	0.6	8
50	Sex Moderates the Impact of Diagnosis and Amyloid PET Positivity on Hippocampal Subfield Volume. Journal of Alzheimer's Disease, 2018, 64, 79-89.	1.2	19
51	Exact confidence limits for the probability of response in two-stage designs. Statistics, 2018, 52, 1086-1095.	0.3	11
52	Statistical advances in clinical trials and clinical research. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2018, 4, 366-371.	1.8	20
53	Biomedical informatics applications for precision management of neurodegenerative diseases. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2018, 4, 357-365.	1.8	7
54	A modified Friedman test for randomized complete block designs. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 1508-1519.	0.6	8

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55	Boundary problem in Simon's two-stage clinical trial designs. Journal of Biopharmaceutical Statistics, 2017, 27, 25-33.	0.4	11
56	A better confidence interval for the sensitivity at a fixed level of specificity for diagnostic tests with continuous endpoints. Statistical Methods in Medical Research, 2017, 26, 268-279.	0.7	11
57	Exact one-sided confidence limits for Cohen's kappa as a measurement of agreement. Statistical Methods in Medical Research, 2017, 26, 615-632.	0.7	18
58	Comparison of unweighted and weighted rank based tests for an ordered alternative in randomized complete block designs. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 4452-4464.	0.6	2
59	Exact unconditional sample size determination for paired binary data (letter commenting: J Clin) Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	6
60	Exact One-Sided Confidence Limit for the Ratio of Two Poisson Rates. Statistics in Biopharmaceutical Research, 2017, 9, 180-185.	0.6	6
61	Gaussian network model can be enhanced by combining solvent accessibility in proteins. Scientific Reports, 2017, 7, 7486.	1.6	4
62	Efficient confidence limits for adaptive one-arm two-stage clinical trials with binary endpoints. BMC Medical Research Methodology, 2017, 17, 22.	1.4	12
63	Exact methods for testing homogeneity of proportions for multiple groups of paired binary data. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 6074-6082.	0.6	7
64	Comments on 'Two-sample binary phase 2 trials with low type I error and low sample size'. Statistics in Medicine, 2017, 36, 3437-3438.	0.8	9
65	Pharmacy Residency School-wide Match Rates and Modifiable Predictors in ACPE-accredited Colleges and Schools of Pharmacy. American Journal of Pharmaceutical Education, 2017, 81, 6109.	0.7	13
66	Fisher's exact approach for post hoc analysis of a chi-squared test. PLoS ONE, 2017, 12, e0188709.	1.1	132
67	Racial and Insurance Status Disparities in Patient Safety Indicators among Hospitalized Patients. Ethnicity and Disease, 2016, 26, 443.	1.0	24
68	Sample Size Determination Using Exact Approaches. , 2016, , 43-46.		0
69	Identification of Hot Spots in Protein Structures Using Gaussian Network Model and Gaussian Naive Bayes. BioMed Research International, 2016, 2016, 1-9.	0.9	9
70	Optimal adaptive two-stage designs for early phase II clinical trials. Statistics in Medicine, 2016, 35, 1257-1266.	0.8	65
71	Exact confidence intervals for randomized response strategies. Journal of Applied Statistics, 2016, 43, 1279-1290.	0.6	7
72	Changes in Inflammatory and Bone Turnover Markers After Periodontal Disease Treatment in Patients With Diabetes. American Journal of the Medical Sciences, 2016, 351, 589-594.	0.4	7

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73	Exact sample size determination for the ratio of two incidence rates under the Poisson distribution. Computational Statistics, 2016, 31, 1633-1644.	0.8	6
74	Minimax and admissible adaptive two-stage designs in phase II clinical trials. BMC Medical Research Methodology, 2016, 16, 90.	1.4	16
75	Exact p-Values for Simonâ€™s Two-Stage Designs in Clinical Trials. Statistics in Biosciences, 2016, 8, 351-357.	0.6	17
76	Unconditional tests for comparing two ordered multinomials. Statistical Methods in Medical Research, 2016, 25, 241-254.	0.7	33
77	Sample size calculation based on efficient unconditional tests for clinical trials with historical controls. Journal of Biopharmaceutical Statistics, 2016, 26, 240-249.	0.4	12
78	Exact Statistical Inference for a 2Ã—2 Table. , 2016, , 1-27.		6
79	Exact Statistical Inference for a 2Ã—K Table. , 2016, , 29-42.		3
80	Efficient Noninferiority Testing Procedures for Simultaneously Assessing Sensitivity and Specificity of Two Diagnostic Tests. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-7.	0.7	2
81	Homogeneity Test for Correlated Binary Data. PLoS ONE, 2015, 10, e0124337.	1.1	22
82	Analyzing U.S. nurse turnover: Are nurses leaving their jobs or the profession itself?. Journal of Hospital Administration, 2015, 4, 48.	0.0	44
83	Exact Confidence Intervals for the Relative Risk and the Odds Ratio. Biometrics, 2015, 71, 985-995.	0.8	31
84	Unconditional tests for association in 2 Ã— 2 contingency tables in the total sum fixed design. Statistica Neerlandica, 2015, 69, 67-83.	0.9	15
85	Longitudinal trends in asthma health care use in Southern Nevada. Annals of Allergy, Asthma and Immunology, 2015, 114, 70-72.e2.	0.5	1
86	Exact unconditional testing procedures for comparing two independent Poisson rates. Journal of Statistical Computation and Simulation, 2015, 85, 947-955.	0.7	13
87	Improved Confidence Intervals for the Youden Index. PLoS ONE, 2015, 10, e0127272.	1.1	61
88	A New Powerful Nonparametric Rank Test for Ordered Alternative Problem. PLoS ONE, 2014, 9, e112924.	1.1	17
89	Powerful Exact Unconditional Tests for Agreement between Two Raters with Binary Endpoints. PLoS ONE, 2014, 9, e97386.	1.1	10
90	Exact Methods for Testing the Equality of Proportions for Binary Clustered Data From Otolaryngologic Studies. Statistics in Biopharmaceutical Research, 2014, 6, 115-122.	0.6	19

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91	Efficient tests for one sample correlated binary data with applications. Statistical Methods and Applications, 2014, 23, 175-188.	0.7	6
92	Exact approaches for testing non-inferiority or superiority of two incidence rates. Statistics and Probability Letters, 2014, 85, 129-134.	0.4	14
93	Exact approaches for testing hypotheses based on the intra‐class kappa coefficient. Statistics in Medicine, 2014, 33, 2998-3012.	0.8	9
94	The effect of a trail use intervention on urban trail use in Southern Nevada. Preventive Medicine, 2014, 67, S17-S20.	1.6	20
95	New Nonparametric Rank-Based Tests for Paired Data. Open Journal of Statistics, 2014, 04, 495-503.	0.3	10
96	Some tests for detecting trends based on the modified Baumgartner–Weiß–Schindler statistics. Computational Statistics and Data Analysis, 2013, 57, 246-261.	0.7	21
97	More efficient unconditional tests for exchangeable binary data with equal cluster sizes. Statistics and Probability Letters, 2013, 83, 644-649.	0.4	15
98	Randomized Two-Stage Phase II Clinical Trial Designs Based on Barnard's Exact Test. Journal of Biopharmaceutical Statistics, 2013, 23, 1081-1090.	0.4	31
99	A Note on Exact Conditional and Unconditional Tests for Hardy-Weinberg Equilibrium. Human Heredity, 2013, 76, 10-17.	0.4	19
100	ExactCIdiff: An R Package for Computing Exact Confidence Intervals for the Difference of Two Proportions. R Journal, 2013, 5, 62.	0.7	45
101	Exact two-stage designs for phase II activity trials with rank-based endpoints. Contemporary Clinical Trials, 2012, 33, 332-341.	0.8	18
102	An efficient and exact approach for detecting trends with binary endpoints. Statistics in Medicine, 2012, 31, 155-164.	0.8	43
103	Two‐stage k‐sample designs for the ordered alternative problem. Pharmaceutical Statistics, 2012, 11, 287-294.	0.7	17
104	An empirical likelihood ratio based goodness-of-fit test for Inverse Gaussian distributions. Journal of Statistical Planning and Inference, 2011, 141, 2128-2140.	0.4	22
105	Simple and Exact Empirical Likelihood Ratio Tests for Normality Based on Moment Relations. Communications in Statistics Part B: Simulation and Computation, 2010, 40, 129-146.	0.6	11
106	Conservative confidence intervals for the intraclass correlation coefficient for clustered binary data. Journal of Applied Statistics, 0, , 1-15.	0.6	2