Fan Li

List of Publications by Year
in descending order

117 papers	3,953 citations	172207 29 h-index	149479 56 g-index
119 all docs	119 docs citations	119 times ranked	4649 citing authors

#	Article	IF	Citations
1	Balancing Covariates via Propensity Score Weighting. Journal of the American Statistical Association, 2018, 113, 390-400.	1.8	473
2	Overlap Weighting. JAMA - Journal of the American Medical Association, 2020, 323, 2417.	3.8	285
3	Addressing Extreme Propensity Scores via the Overlap Weights. American Journal of Epidemiology, 2019, 188, 250-257.	1.6	216
4	Propensity score weighting with multilevel data. Statistics in Medicine, 2013, 32, 3373-3387.	0.8	160
5	Review of Recent Methodological Developments in Group-Randomized Trials: Part 1â€"Design. American Journal of Public Health, 2017, 107, 907-915.	1.5	122
6	AAV-Mediated CRISPR/Cas Gene Editing of Retinal Cells In Vivo. , 2016, 57, 3470.		117
7	Assessment of Acute Kidney Injury and Longitudinal Kidney Function After Hospital Discharge Among Patients With and Without COVID-19. JAMA Network Open, 2021, 4, e211095.	2.8	114
8	Using Propensity Score Methods to Create Target Populations in Observational Clinical Research. JAMA - Journal of the American Medical Association, 2020, 323, 466.	3.8	110
9	Review of Recent Methodological Developments in Group-Randomized Trials: Part 2â€"Analysis. American Journal of Public Health, 2017, 107, 1078-1086.	1.5	109
10	Nucleic Acid Tests for Clinical Translation. Chemical Reviews, 2021, 121, 10469-10558.	23.0	109
11	Highly effective inhibition of lung cancer growth and metastasis by systemic delivery of siRNA via multimodal mesoporous silica-based nanocarrier. Biomaterials, 2014, 35, 10058-10069.	5.7	98
12	Nanoparticle-mediated convection-enhanced delivery of a DNA intercalator to gliomas circumvents temozolomide resistance. Nature Biomedical Engineering, 2021, 5, 1048-1058.	11.6	96
13	Electronic health record alerts for acute kidney injury: multicenter, randomized clinical trial. BMJ, The, 2021, 372, m4786.	3.0	96
14	Mixed-effects models for the design and analysis of stepped wedge cluster randomized trials: An overview. Statistical Methods in Medical Research, 2021, 30, 612-639.	0.7	91
15	Nucleic Acids Analysis. Science China Chemistry, 2021, 64, 171-203.	4.2	88
16	Transcatheter Versus Surgical AorticÂValveÂReplacement. Journal of the American College of Cardiology, 2017, 70, 439-450.	1.2	82
17	DNA nanotechnology-empowered nanoscopic imaging of biomolecules. Chemical Society Reviews, 2021, 50, 5650-5667.	18.7	73
18	Propensity score weighting for causal inference with multiple treatments. Annals of Applied Statistics, 2019, 13, .	0.5	67

#	Article	IF	Citations
19	An evaluation of constrained randomization for the design and analysis of group‐randomized trials with binary outcomes. Statistics in Medicine, 2017, 36, 3791-3806.	0.8	65
20	An evaluation of constrained randomization for the design and analysis of group‐randomized trials. Statistics in Medicine, 2016, 35, 1565-1579.	0.8	63
21	Sample Size Determination for GEE Analyses of Stepped Wedge Cluster Randomized Trials. Biometrics, 2018, 74, 1450-1458.	0.8	63
22	Development of a Modular Automated System for Maintenance and Differentiation of Adherent Human Pluripotent Stem Cells. SLAS Discovery, 2017, 22, 1016-1025.	1.4	44
23	A Bayesian Semiparametric Approach to Intermediate Variables in Causal Inference. Journal of the American Statistical Association, 2011, 106, 1331-1344.	1.8	41
24	Social bonds do not mediate the relationship between early adversity and adult glucocorticoids in wild baboons. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20052-20062.	3.3	41
25	Programmable DNA Hydrogels as Artificial Extracellular Matrix. Small, 2022, 18, e2107640.	5.2	41
26	Design and analysis considerations for cohort stepped wedge cluster randomized trials with a decay correlation structure. Statistics in Medicine, 2020, 39, 438-455.	0.8	37
27	Genetic Polymorphisms of CFH and ARMS2 Do Not Predict Response to Antioxidants and Zinc in Patients with Age-Related Macular Degeneration. Ophthalmology, 2018, 125, 391-397.	2.5	36
28	Power and sample size requirements for GEE analyses of cluster randomized crossover trials. Statistics in Medicine, 2019, 38, 636-649.	0.8	36
29	Role of microenvironmental periostin in pancreatic cancer progression. Oncotarget, 2017, 8, 89552-89565.	0.8	36
30	Exploiting multiple outcomes in Bayesian principal stratification analysis with application to the evaluation of a job training program. Annals of Applied Statistics, 2013, 7, .	0.5	33
31	The Uptick in Income Segregation: Real Trend or Random Sampling Variation?. American Journal of Sociology, 2018, 124, 185-222.	0.3	32
32	Estimating heterogeneous survival treatment effect in observational data using machine learning. Statistics in Medicine, 2021, 40, 4691-4713.	0.8	32
33	Enhanced therapeutic effect of Adriamycin on multidrug resistant breast cancer by the ABCG2-siRNA loaded polymeric nanoparticles assisted with ultrasound. Oncotarget, 2015, 6, 43779-43790.	0.8	31
34	Comparative Evaluation of a South Carolina Policy to Improve Nutrition in Child Care. Journal of the Academy of Nutrition and Dietetics, 2016, 116, 949-956.	0.4	30
35	Subgroup balancing propensity score. Statistical Methods in Medical Research, 2020, 29, 659-676.	0.7	29
36	Optimal allocation of clusters in cohort stepped wedge designs. Statistics and Probability Letters, 2018, 137, 257-263.	0.4	28

#	ARTICLE	IF	CITATIONS
37	Estimands in cluster-randomized trials: choosing analyses that answer the right question. International Journal of Epidemiology, 2023, 52, 107-118.	0.9	28
38	Quantification of Enhancement of Renal Parenchymal Masses with Contrast-Enhanced Ultrasound. Ultrasound in Medicine and Biology, 2014, 40, 1387-1393.	0.7	27
39	Evaluating the causal effects of cellphone distraction on crash risk using propensity score methods. Accident Analysis and Prevention, 2020, 143, 105579.	3.0	26
40	Programming Biomimetically Confined Aptamers with DNA Frameworks. ACS Nano, 2020, 14, 8776-8783.	7.3	26
41	Propensity score weighting for covariate adjustment in randomized clinical trials. Statistics in Medicine, 2021, 40, 842-858.	0.8	22
42	Propensity score weighting for causal subgroup analysis. Statistics in Medicine, 2021, 40, 4294-4309.	0.8	22
43	Programming Accessibility of DNA Monolayers for Degradation-Free Whole-Blood Biosensors. , 2019, 1, 671-676.		21
44	Neuropeptide Y1 Receptor Antagonist Alters Gut Microbiota and Alleviates the Ovariectomy-Induced Osteoporosis in Rats. Calcified Tissue International, 2020, 106, 444-454.	1.5	21
45	xtgeebcv: A command for bias-corrected sandwich variance estimation for GEE analyses of cluster randomized trials. The Stata Journal, 2020, 20, 363-381.	0.9	19
46	DNA framework-engineered electrochemical biosensors. Science China Life Sciences, 2020, 63, 1130-1141.	2.3	19
47	Do debit cards increase household spending? Evidence from a semiparametric causal analysis of a survey. Annals of Applied Statistics, 2014, 8, .	0.5	18
48	One-Stage Positron Emission Tomography and Magnetic Resonance Imaging to Assess Mesenchymal Stem Cell Survival in a Canine Model of Intervertebral Disc Degeneration. Stem Cells and Development, 2017, 26, 1334-1343.	1.1	18
49	Sample size requirements for detecting treatment effect heterogeneity in cluster randomized trials. Statistics in Medicine, 2020, 39, 4218-4237.	0.8	18
50	Marginal modeling of cluster-period means and intraclass correlations in stepped wedge designs with binary outcomes. Biostatistics, 2022, 23, 772-788.	0.9	18
51	Neuropeptide Y1 receptor antagonist promotes osteoporosis and microdamage repair and enhances osteogenic differentiation of bone marrow stem cells via cAMP/PKA/CREB pathway. Aging, 2020, 12, 8120-8136.	1.4	16
52	A spatiotemporal quantile regression model for emergency department expenditures. Statistics in Medicine, 2015, 34, 2559-2575.	0.8	15
53	Sample size calculators for planning stepped-wedge cluster randomized trials: a review and comparison. International Journal of Epidemiology, 2022, 51, 2000-2013.	0.9	15
54	Cvcrand and Cptest: Commands for Efficient Design and Analysis of Cluster Randomized Trials Using Constrained Randomization and Permutation Tests. The Stata Journal, 2018, 18, 357-378.	0.9	14

#	Article	IF	Citations
55	Reconstructing Soma–Soma Synapse-like Vesicular Exocytosis with DNA Origami. ACS Central Science, 2021, 7, 1400-1407.	5.3	14
56	Enhanced delivery of PEAL nanoparticles with ultrasound targeted microbubble destruction mediated siRNA transfection in human MCF-7/S and MCF-7/ADR cells in vitro. International Journal of Nanomedicine, 2015, 10, 5447.	3.3	13
57	Gold nanoflower–based surface–enhanced Raman probes for pH mapping of tumor cell microenviroment. Cell Proliferation, 2019, 52, e12618.	2.4	13
58	Neuropeptides are associated with pain threshold and bone microstructure in ovariectomized rats. Neuropeptides, 2020, 81, 101995.	0.9	13
59	An evidence mapping and analysis of registered COVID-19 clinical trials in China. BMC Medicine, 2020, 18, 167.	2.3	13
60	Sample size and power considerations for cluster randomized trials with count outcomes subject to right truncation. Biometrical Journal, 2021, 63, 1052-1071.	0.6	13
61	Sample size estimation for modified Poisson analysis of cluster randomized trials with a binary outcome. Statistical Methods in Medical Research, 2021, 30, 1288-1305.	0.7	13
62	Impact of unequal cluster sizes for GEE analyses of stepped wedge cluster randomized trials with binary outcomes. Biometrical Journal, 2022, 64, 419-439.	0.6	13
63	Accounting for unequal cluster sizes in designing cluster randomized trials to detect treatment effect heterogeneity. Statistics in Medicine, 2022, 41, 1376-1396.	0.8	13
64	Cigarette Smoking and Risk of Different Pathologic Types of Stroke: A Systematic Review and Dose-Response Meta-Analysis. Frontiers in Neurology, 2021, 12, 772373.	1.1	12
65	Clarifying selection bias in cluster randomized trials. Clinical Trials, 2022, 19, 33-41.	0.7	11
66	Estimating the natural indirect effect and the mediation proportion via the product method. BMC Medical Research Methodology, 2021, 21, 253.	1.4	10
67	Properties and pitfalls of weighting as an alternative to multilevel multiple imputation in cluster randomized trials with missing binary outcomes under covariate-dependent missingness. Statistical Methods in Medical Research, 2020, 29, 1338-1353.	0.7	9
68	Black Women Are More Likely Than White Women to Schedule a Uterine-Sparing Treatment for Leiomyomas. Journal of Women's Health, 2021, 30, 355-366.	1.5	9
69	Electrochemical Analysis for Multiscale Single Entities on the Confined Interface–. Chinese Journal of Chemistry, 2021, 39, 1745-1752.	2.6	9
70	Sample size considerations for stepped wedge designs with subclusters. Biometrics, 2023, 79, 98-112.	0.8	9
71	Stepping gating of ion channels on nanoelectrode via DNA hybridization for label-free DNA detection. Biosensors and Bioelectronics, 2019, 133, 141-146.	5.3	8
72	Two weights make a wrong: Cluster randomized trials with variable cluster sizes and heterogeneous treatment effects. Contemporary Clinical Trials, 2022, 114, 106702.	0.8	8

#	Article	IF	Citations
73	cvcrand: A Package for Covariate-constrained Randomization and the Clustered Permutation Test for Cluster Randomized Trials. R Journal, 2019, 11, 191.	0.7	7
74	swdpwr: A SAS macro and an R package for power calculations in stepped wedge cluster randomized trials. Computer Methods and Programs in Biomedicine, 2022, 213, 106522.	2.6	7
75	Severe inpatient hypertension prevalence and blood pressure response to antihypertensive treatment. Journal of Clinical Hypertension, 2022, 24, 339-349.	1.0	7
76	A comparison of analytical strategies for cluster randomized trials with survival outcomes in the presence of competing risks. Statistical Methods in Medical Research, 2022, 31, 1224-1241.	0.7	7
77	Stepped Wedge Cluster Randomized Trials: A Methodological Overview. World Neurosurgery, 2022, 161, 323-330.	0.7	7
78	Models for Small Area Estimation for Census Tracts. Geographical Analysis, 2020, 52, 325-350.	1.9	6
79	Early identification of patients with acute gastrointestinal bleeding using natural language processing and decision rules. Journal of Gastroenterology and Hepatology (Australia), 2021, 36, 1590-1597.	1.4	6
80	Finiteâ€sample adjustments in variance estimators forÂclustered competing risks regression. Statistics in Medicine, 2022, 41, 2645-2664.	0.8	6
81	Power considerations for generalized estimating equations analyses of fourâ€level cluster randomized trials. Biometrical Journal, 2022, 64, 663-680.	0.6	6
82	Statistical Considerations for Embedded Pragmatic Clinical Trials in People Living with Dementia. Journal of the American Geriatrics Society, 2020, 68, S68-S73.	1.3	5
83	Impact of complex, partially nested clustering in a three-arm individually randomized group treatment trial: A case study with the wHOPE trial. Clinical Trials, 2022, 19, 3-13.	0.7	5
84	DOX-loaded silver nanotriangles and photothermal therapy exert a synergistic antibreast cancer effect via ROS/ERK1/2 signaling pathway. Nanotechnology, 2021, 33, .	1.3	5
85	Methodological challenges in pragmatic trials in Alzheimerâ€™s disease and related dementias: Opportunities for improvement. Clinical Trials, 2022, 19, 86-96.	0.7	5
86	Generalizing Trial Evidence to Target Populations in Non-Nested Designs: Applications to AIDS Clinical Trials. Journal of the Royal Statistical Society Series C: Applied Statistics, 2022, 71, 669-697.	0.5	5
87	The Significance of Ultrasound in Determining Whether SHPT Patients Are Sensitive to Calcitriol Treatment. BioMed Research International, 2016, 2016, 1-5.	0.9	4
88	An evaluation of quadratic inference functions for estimating intervention effects in cluster randomized trials. Contemporary Clinical Trials Communications, 2020, 19, 100605.	0.5	4
89	DNA Framework-based Topological Aptamer for Differentiating Subtypes of Hepatocellular Carcinoma Cells. Chemical Research in Chinese Universities, 2021, 37, 919-924.	1.3	4
90	Covariate adjustment in subgroup analyses of randomized clinical trials: A propensity score approach. Clinical Trials, 2021, 18, 570-581.	0.7	4

#	Article	IF	Citations
91	Missing Data. , 2020, , 1-21.		4
92	Comment: Stabilizing the Doubly-Robust Estimators of the Average Treatment Effect under Positivity Violations. Statistical Science, 2020, 35, .	1.6	4
93	Sample size calculation in hierarchical 2×2 factorial trials with unequal cluster sizes. Statistics in Medicine, 2022, 41, 645-664.	0.8	4
94	Constrained randomization and statistical inference for multi-arm parallel cluster randomized controlled trials. Statistics in Medicine, 2022, 41, 1862-1883.	0.8	4
95	Blood pressure response to commonly administered antihypertensives for severe inpatient hypertension. PLoS ONE, 2022, 17, e0265497.	1.1	4
96	A note on semiparametric efficient generalization of causal effects from randomized trials to target populations. Communications in Statistics - Theory and Methods, 2023, 52, 5767-5798.	0.6	4
97	AS1411 and EpDT3-conjugated silver nanotriangle-mediated photothermal therapy for breast cancer and cancer stem cells. Nanomedicine, 2021, 16, 2503-2519.	1.7	4
98	Power Analysis for Cluster Randomized Trials with Continuous Coprimary Endpoints. Biometrics, 2023, 79, 1293-1305.	0.8	4
99	LncRNA HOXA10-AS functions as an oncogene by binding miR-6509-5p to upregulate Y-box binding protein 1 in gastric cancer. Bioengineered, 2022, 13, 11373-11387.	1.4	4
100	Commentary: Right truncation in cluster randomized trials can attenuate the power of a marginal analysis. International Journal of Epidemiology, 2020, 49, 964-967.	0.9	3
101	Application of silver nanotriangles as a novel contrast agent in tumor computed tomography imaging. Nanotechnology, 2021, 32, 495705.	1.3	3
102	DNA origami nanocalipers for pH sensing at the nanoscale. Chemical Communications, 2022, 58, 3673-3676.	2.2	3
103	Ethical considerations within pragmatic randomized controlled trials in dementia: Results from a literature survey. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, e12287.	1.8	3
104	Pragmatic clinical trial design in emergency medicine: Study considerations and design types. Academic Emergency Medicine, 2022, 29, 1247-1257.	0.8	3
105	Bayesian Word Learning in Multiple Language Environments. Cognitive Science, 2018, 42, 439-462.	0.8	2
106	Secondary analysis of case–control association studies: Insights on weighting–based inference motivate a new specification test. Statistics in Medicine, 2020, 39, 2869-2882.	0.8	2
107	A Causal Mediation Model for Longitudinal Mediators and Survival Outcomes with an Application to Animal Behavior. Journal of Agricultural, Biological, and Environmental Statistics, 2023, 28, 197-218.	0.7	2
108	Monitoring of Intracellular Vesicles in Cultured Neurons at Different Growth Stages Using Intracellular Vesicle Electrochemical Cytometry. Electroanalysis, 0, , .	1.5	1

#	ARTICLE	IF	CITATIONS
109	A Bayesian approach for estimating the partial potential impact fraction with exposure measurement error under a main study/internal validation design. Statistical Methods in Medical Research, 2022, 31, 404-418.	0.7	1
110	Silver–Gold Core–Shell Nanoparticles: A Novel Contrast Agent for Tumor Computed Tomography Imaging. Nano, 0, , .	0.5	1
111	The effect of AS1411 surface density on the tumor targeting properties of PEGylated silver nanotriangles. Nanomedicine, 2022, 17, 289-302.	1.7	1
112	Design and analysis of partially randomized preference trials with propensity score stratification. Statistical Methods in Medical Research, 2022, 31, 1515-1537.	0.7	1
113	Clustered restricted mean survival time regression. Biometrical Journal, 2022, , .	0.6	1
114	Predicting the Risk of Huntington's Disease with Multiple Longitudinal Biomarkers. Journal of Huntington's Disease, 2019, 8, 323-332.	0.9	0
115	Bayesian estimation of genetic regulatory effects in high-throughput reporter assays. Bioinformatics, 2020, 36, 331-338.	1.8	0
116	A note on the estimation and inference with quadratic inference functions for correlated outcomes. Communications in Statistics Part B: Simulation and Computation, 2020, , 1-12.	0.6	0
117	Stage cT3 low rectal cancer: analysis of prognostic factors. Journal of Gastrointestinal Oncology, 2022, 13, 672-682.	0.6	0