# Donglin Zeng

## List of Publications by Year
## in descending order

| 65 papers | 2,038 citations | 394421<br>19 h-index | 265206<br>42 g-index |
| --- | --- | --- | --- |
| 67 all docs | 67 docs citations | 67 times ranked | 1970 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Estimating Individualized Treatment Rules Using Outcome Weighted Learning. Journal of the American Statistical Association, 2012, 107, 1106-1118. | 3.1 | 472 |
| 2 | Effectiveness of Covid-19 Vaccines over a 9-Month Period in North Carolina. New England Journal of Medicine, 2022, 386, 933-941. | 27.0 | 238 |
| 3 | New Statistical Learning Methods for Estimating Optimal Dynamic Treatment Regimes. Journal of the American Statistical Association, 2015, 110, 583-598. | 3.1 | 171 |
| 4 | Penalized Estimating Functions and Variable Selection in Semiparametric Regression Models. Journal of the American Statistical Association, 2008, 103, 672-680. | 3.1 | 133 |
| 5 | Maximum likelihood estimation for semiparametric transformation models with interval-censored data. Biometrika, 2016, 103, 253-271. | 2.4 | 109 |
| 6 | Efficient Estimation for the Accelerated Failure Time Model. Journal of the American Statistical Association, 2007, 102, 1387-1396. | 3.1 | 105 |
| 7 | The AURORA Study: a longitudinal, multimodal library of brain biology and function after traumatic stress exposure. Molecular Psychiatry, 2020, 25, 283-296. | 7.9 | 92 |
| 8 | Semiparametric Transformation Models with Random Effects for Joint Analysis of Recurrent and Terminal Events. Biometrics, 2009, 65, 746-752. | 1.4 | 75 |
| 9 | Novel Metabolic Markers for the Risk of Diabetes Development in American Indians. Diabetes Care, 2015, 38, 220-227. | 8.6 | 62 |
| 10 | Power Calculation for Case-Cohort Studies with Nonrare Events. Biometrics, 2007, 63, 1288-1295. | 1.4 | 43 |
| 11 | Augmented outcome-weighted learning for estimating optimal dynamic treatment regimens. Statistics in Medicine, 2018, 37, 3776-3788. | 1.6 | 41 |
| 12 | *APOE* alleles' association with cognitive function differs across Hispanic/Latino groups and genetic ancestry in the study of Latinos-investigation of neurocognitive aging (HCHS/SOL). Alzheimer's and Dementia, 2021, 17, 466-474. | 0.8 | 33 |
| 13 | Prognostic neuroimaging biomarkers of trauma-related psychopathology: resting-state fMRI shortly after trauma predicts future PTSD and depression symptoms in the AURORA study. Neuropsychopharmacology, 2021, 46, 1263-1271. | 5.4 | 32 |
| 14 | Intralesional Triamcinolone May Not Be Beneficial for Treating Acute Hidradenitis Suppurativa Lesions: A Double-Blind, Randomized, Placebo-Controlled Trial. Dermatologic Surgery, 2020, 46, 685-689. | 0.8 | 26 |
| 15 | Impact of a Rapid Microarray-Based Assay for Identification of Positive Blood Cultures for Treatment Optimization for Patients with Streptococcal and Enterococcal Bacteremia. Journal of Clinical Microbiology, 2015, 53, 1411-1414. | 3.9 | 25 |
| 16 | Efficient $\ell_0$-norm feature selection based on augmented and penalized minimization. Statistics in Medicine, 2018, 37, 473-486. | 1.6 | 24 |
| 17 | Diabetes, Cognitive Decline, and Mild Cognitive Impairment Among Diverse Hispanics/Latinos: Study of Latinos-Investigation of Neurocognitive Aging Results (HCHS/SOL). Diabetes Care, 2020, 43, 1111-1117. | 8.6 | 24 |
| 18 | Prior sleep problems and adverse post-traumatic neuropsychiatric sequelae of motor vehicle collision in the AURORA study. Sleep, 2021, 44, . | 1.1 | 23 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------| 
| 19 | Development and Validation of a Model to Predict Posttraumatic Stress Disorder and Major Depression After a Motor Vehicle Collision. JAMA Psychiatry, 2021, 78, 1228. | 11.0 | 23 |
| 20 | Semiparametric Estimation of the Accelerated Failure Time Model with Partly Interval-Censored Data. Biometrics, 2017, 73, 1161-1168. | 1.4 | 22 |
| 21 | Efficient Semiparametric Estimation of Short-Term and Long-Term Hazard Ratios with Right-Censored Data. Biometrics, 2013, 69, 840-849. | 1.4 | 18 |
| 22 | Survival-Convolution Models for Predicting COVID-19 Cases and Assessing Effects of Mitigation Strategies. Frontiers in Public Health, 2020, 8, 325. | 2.7 | 16 |
| 23 | Socio-demographic and trauma-related predictors of depression within eight weeks of motor vehicle collision in the AURORA study. Psychological Medicine, 2022, 52, 1934-1947. | 4.5 | 15 |
| 24 | Improving Trial Generalizability Using Observational Studies. Biometrics, 2023, 79, 1213-1225. | 1.4 | 15 |
| 25 | Socio-demographic and trauma-related predictors of PTSD within 8 weeks of a motor vehicle collision in the AURORA study. Molecular Psychiatry, 2021, 26, 3108-3121. | 7.9 | 14 |
| 26 | Psychosocial Factors Associated with Cognitive Function Among Middle-Aged and Older Hispanics/Latinos: The Hispanic Community Health Study/Study of Latinos and its Sociocultural Ancillary Study. Journal of Alzheimer's Disease, 2021, 79, 433-449. | 2.6 | 13 |
| 27 | Thalamic volume and fear extinction interact to predict acute posttraumatic stress severity. Journal of Psychiatric Research, 2021, 141, 325-332. | 3.1 | 12 |
| 28 | Estimation and Evaluation of Linear Individualized Treatment Rules to Guarantee Performance. Biometrics, 2018, 74, 517-528. | 1.4 | 11 |
| 29 | Subjective cognitive decline and objective cognition among diverse U.S. Hispanics/Latinos: Results from the Study of Latinos–Investigation of Neurocognitive Aging (SOL–INCA). Alzheimer's and Dementia, 2022, 18, 43-52. | 0.8 | 11 |
| 30 | Matched Learning for Optimizing Individualized Treatment Strategies Using Electronic Health Records. Journal of the American Statistical Association, 2020, 115, 380-392. | 3.1 | 10 |
| 31 | A prospective examination of sex differences in posttraumatic autonomic functioning. Neurobiology of Stress, 2021, 15, 100384. | 4.0 | 10 |
| 32 | Multivariate Recurrent Events in the Presence of Multivariate Informative Censoring with Applications to Bleeding and Transfusion Events in Myelodysplastic Syndrome. Journal of Biopharmaceutical Statistics, 2014, 24, 429-442. | 0.8 | 9 |
| 33 | Genome-wide association study of cognitive function in diverse Hispanics/Latinos: results from the Hispanic Community Health Study/Study of Latinos. Translational Psychiatry, 2020, 10, 245. | 4.8 | 9 |
| 34 | Prediction of Body Mass Index Using Concurrently Self-Reported or Previously Measured Height and Weight. PLoS ONE, 2016, 11, e0167288. | 2.5 | 8 |
| 35 | Analysis of Multiple Survival Events in Generalized Case-Cohort Designs. Biometrics, 2018, 74, 1250-1260. | 1.4 | 8 |
| 36 | Semiparametric Regression Analysis of Interval-Censored Data with Informative Dropout. Biometrics, 2018, 74, 1213-1222. | 1.4 | 6 |

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|---|---------|----|-----------|
| 37 | Identifying disease‐associated biomarker network features through conditional graphical model. Biometrics, 2020, 76, 995-1006. | 1.4 | 6 |
| 38 | Neurocognition after motor vehicle collision and adverse post-traumatic neuropsychiatric sequelae within 8 weeks: Initial findings from the AURORA study. Journal of Affective Disorders, 2022, 298, 57-67. | 4.1 | 6 |
| 39 | Outcome-Weighted Learning for Personalized Medicine with Multiple Treatment Options. , 2018, 2018, 565-574. | | 5 |
| 40 | Partitioning around medoids clustering and random forest classification for GIS-informed imputation of fluoride concentration data. Annals of Applied Statistics, 2022, 16, 551-572. | 1.1 | 5 |
| 41 | Targeting physical activity interventions for adults: When should intervention occur?. Preventive Medicine, 2017, 97, 13-18. | 3.4 | 4 |
| 42 | Gumbel regression models for a monotone increasing continuous biomarker subject to measurement error. Journal of Statistical Planning and Inference, 2019, 203, 160-168. | 0.6 | 4 |
| 43 | Learning Individualized Treatment Rules for Multiple-Domain Latent Outcomes. Journal of the American Statistical Association, 2021, 116, 269-282. | 3.1 | 4 |
| 44 | Evaluating effectiveness of public health intervention strategies for mitigating COVID‐19 pandemic. Statistics in Medicine, 2022, 41, 3820-3836. | 1.6 | 4 |
| 45 | Modeling event count data in the presence of informative dropout with application to bleeding and transfusion events in myelodysplastic syndrome. Statistics in Medicine, 2017, 36, 3475-3494. | 1.6 | 3 |
| 46 | Efficient Methods for Signal Detection From Correlated Adverse Events in Clinical Trials. Biometrics, 2019, 75, 1000-1008. | 1.4 | 3 |
| 47 | APOE alleles' association with neurocognitive function differ across Hispanic background groups. Alzheimer's and Dementia, 2020, 16, e044169. | 0.8 | 3 |
| 48 | A doubly robust method to handle missing multilevel outcome data with application to the China Health and Nutrition Survey. Statistics in Medicine, 2022, 41, 769-785. | 1.6 | 3 |
| 49 | Prior histories of posttraumatic stress disorder and major depression and their onset and course in the three months after a motor vehicle collision in the AURORA study. Depression and Anxiety, 2021, , . | 4.1 | 3 |
| 50 | Semiparametric Frailty Models for Zero-Inflated Event Count Data in the Presence of Informative Dropout. Biometrics, 2019, 75, 1168-1178. | 1.4 | 2 |
| 51 | Reflector Localization of Breast Lesions and Parameters Associated with Positive Surgical Margins in Women Undergoing Breast Conservation Surgery. Journal of Breast Imaging, 2020, 2, 462-470. | 1.3 | 2 |
| 52 | On using electronic health records to improve optimal treatment rules in randomized trials. Biometrics, 2020, 76, 1075-1086. | 1.4 | 2 |
| 53 | Testing measurement equivalence of neurocognitive assessments across language in the Hispanic Community Health Study/Study of Latinos.. Neuropsychology, 2021, 35, 423-433. | 1.3 | 2 |
| 54 | Leisure-time physical activity volume, intensity, and duration from mid- to late-life in U.S. subpopulations by race and sex. The Atherosclerosis Risk In Communities (ARIC) Study. Aging, 2020, 12, 4592-4602. | 3.1 | 2 |

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|---|---------|-----|-----------|
| 55 | A General Framework of Nonparametric Feature Selection in High-Dimensional Data. Biometrics, 2023, 79, 951-963. | 1.4 | 2 |
| 56 | Design and analysis of bridging studies with prior probabilities on the null and alternative hypotheses. Biometrics, 2020, 76, 224-234. | 1.4 | 1 |
| 57 | Diabetes, cognitive decline and mild cognitive impairment among diverse Hispanics/Latinos: Hispanic Community Health Study/Study of Latinos (HCHSâ€SOL) investigation of cognitive aging results. Alzheimer's and Dementia, 2020, 16, e044601. | 0.8 | 1 |
| 58 | Integrative network learning for multimodality biomarker data. Annals of Applied Statistics, 2021, 15, 64-87. | 1.1 | 1 |
| 59 | Bayesian inference and dynamic prediction of multivariate joint model with functional data: An application to Alzheimer's disease. Statistics in Medicine, 2021, 40, 6855. | 1.6 | 1 |
| 60 | Statistical Learning Methods for Optimizing Dynamic Treatment Regimes in Subgroup Identification. Emerging Topics in Statistics and Biostatistics, 2020, , 271-297. | 0.1 | 1 |
| 61 | Leveraging Nonlinear Dynamic Models to Predict Progression of Neuroimaging Biomarkers. Biometrics, 2019, 75, 1240-1252. | 1.4 | 0 |
| 62 | Daily functioning and cognition: Results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL) and Study of Latinosâ€Investigation of Neurocognitive Aging (SOLâ€NCA). Alzheimer's and Dementia, 2020, 16, e044165. | 0.8 | 0 |
| 63 | Cardiovascular and stroke risk, cognitive change, and mild cognitive impairment: Results from the HCHS/SOL and SOLâ€NCA. Alzheimer's and Dementia, 2020, 16, e044166. | 0.8 | 0 |
| 64 | Subjective cognitive decline is associated with neurocognition in the SOLâ€NCA study. Alzheimer's and Dementia, 2020, 16, e044167. | 0.8 | 0 |
| 65 | Selfâ€matched learning to construct treatment decision rulesÂfrom electronic health records. Statistics in Medicine, 2022, , . | 1.6 | 0 |