

Zhen Chen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110
papers

6,714
citations

39
h-index

81
g-index

114
ext. papers

7,575
ext. citations

4.1
avg. IF

5.3
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 110 | Rare structural variants disrupt multiple genes in neurodevelopmental pathways in schizophrenia. <i>Science</i> , 2008 , 320, 539-43 | 33.3 | 1443 |
| 109 | Genome-wide association of early-onset myocardial infarction with single nucleotide polymorphisms and copy number variants. <i>Nature Genetics</i> , 2009 , 41, 334-41 | 36.3 | 884 |
| 108 | Do palliative consultations improve patient outcomes?. <i>Journal of the American Geriatrics Society</i> , 2008 , 56, 593-9 | 5.6 | 243 |
| 107 | Urinary concentrations of benzophenone-type UV filters in U.S. women and their association with endometriosis. <i>Environmental Science & Technology</i> , 2012 , 46, 4624-32 | 10.3 | 221 |
| 106 | The influence of patient adherence on anticoagulation control with warfarin: results from the International Normalized Ratio Adherence and Genetics (IN-RANGE) Study. <i>Archives of Internal Medicine</i> , 2007 , 167, 229-35 | | 210 |
| 105 | The relationship between male BMI and waist circumference on semen quality: data from the LIFE study. <i>Human Reproduction</i> , 2014 , 29, 193-200 | 5.7 | 187 |
| 104 | Incidence of endometriosis by study population and diagnostic method: the ENDO study. <i>Fertility and Sterility</i> , 2011 , 96, 360-5 | 4.8 | 183 |
| 103 | Thyroid diseases and adverse pregnancy outcomes in a contemporary US cohort. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, 2725-33 | 5.6 | 157 |
| 102 | Random effects selection in linear mixed models. <i>Biometrics</i> , 2003 , 59, 762-9 | 1.8 | 156 |
| 101 | Designing prospective cohort studies for assessing reproductive and developmental toxicity during sensitive windows of human reproduction and development--the LIFE Study. <i>Paediatric and Perinatal Epidemiology</i> , 2011 , 25, 413-24 | 2.7 | 128 |
| 100 | Stress reduces conception probabilities across the fertile window: evidence in support of relaxation. <i>Fertility and Sterility</i> , 2011 , 95, 2184-9 | 4.8 | 121 |
| 99 | Persistent environmental pollutants and couple fecundity: the LIFE study. <i>Environmental Health Perspectives</i> , 2013 , 121, 231-6 | 8.4 | 114 |
| 98 | Semen quality and time to pregnancy: the Longitudinal Investigation of Fertility and the Environment Study. <i>Fertility and Sterility</i> , 2014 , 101, 453-62 | 4.8 | 111 |
| 97 | Dosing algorithms to predict warfarin maintenance dose in Caucasians and African Americans. <i>Clinical Pharmacology and Therapeutics</i> , 2008 , 84, 332-9 | 6.1 | 103 |
| 96 | Warfarin response and vitamin K epoxide reductase complex 1 in African Americans and Caucasians. <i>Clinical Pharmacology and Therapeutics</i> , 2007 , 81, 742-7 | 6.1 | 99 |
| 95 | Bisphenol A and phthalates and endometriosis: the Endometriosis: Natural History, Diagnosis and Outcomes Study. <i>Fertility and Sterility</i> , 2013 , 100, 162-9.e1-2 | 4.8 | 93 |
| 94 | Associations between urinary phthalate concentrations and semen quality parameters in a general population. <i>Human Reproduction</i> , 2015 , 30, 2645-57 | 5.7 | 90 |

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| 93 | Heavy metals and couple fecundity, the LIFE Study. <i>Chemosphere</i> , 2012 , 87, 1201-7 | 8.4 | 89 |
| 92 | A Bayesian approach for joint modeling of cluster size and subunit-specific outcomes. <i>Biometrics</i> , 2003 , 59, 521-30 | 1.8 | 79 |
| 91 | Apolipoprotein E genotype and warfarin dosing among Caucasians and African Americans. <i>Pharmacogenomics Journal</i> , 2008 , 8, 53-60 | 3.5 | 74 |
| 90 | Adherence to warfarin assessed by electronic pill caps, clinician assessment, and patient reports: results from the IN-RANGE study. <i>Journal of General Internal Medicine</i> , 2007 , 22, 1254-9 | 4 | 74 |
| 89 | Pain typology and incident endometriosis. <i>Human Reproduction</i> , 2015 , 30, 2427-38 | 5.7 | 69 |
| 88 | Racial/ethnic differences in pregnancy-related hypertensive disease in nulliparous women. <i>Ethnicity and Disease</i> , 2014 , 24, 283-9 | 1.8 | 68 |
| 87 | Neonatal outcomes in early term birth. <i>American Journal of Obstetrics and Gynecology</i> , 2014 , 211, 265.e162-5.e165 | 2.5 | 65 |
| 86 | Perfluorochemicals and human semen quality: the LIFE study. <i>Environmental Health Perspectives</i> , 2015 , 123, 57-63 | 8.4 | 65 |
| 85 | Prenatal exposure to low-level polychlorinated biphenyls in relation to mental and motor development at 8 months. <i>American Journal of Epidemiology</i> , 2003 , 157, 485-92 | 3.8 | 62 |
| 84 | A Note on the Estimation of the Multinomial Logit Model With Random Effects. <i>American Statistician</i> , 2001 , 55, 89-95 | 5 | 62 |
| 83 | Obstetric complications among US women with asthma. <i>American Journal of Obstetrics and Gynecology</i> , 2013 , 208, 127.e1-8 | 6.4 | 59 |
| 82 | Risk factors associated with endometriosis: importance of study population for characterizing disease in the ENDO Study. <i>American Journal of Obstetrics and Gynecology</i> , 2013 , 208, 451.e1-11 | 6.4 | 58 |
| 81 | Urinary bisphenol A and semen quality, the LIFE Study. <i>Reproductive Toxicology</i> , 2015 , 51, 7-13 | 3.4 | 57 |
| 80 | Warfarin and cytochrome P450 2C9 genotype: possible ethnic variation in warfarin sensitivity. <i>Pharmacogenomics</i> , 2007 , 8, 217-25 | 2.6 | 50 |
| 79 | Lipid concentrations and semen quality: the LIFE study. <i>Andrology</i> , 2014 , 2, 408-15 | 4.2 | 49 |
| 78 | Relationship between physical occupational exposures and health on semen quality: data from the Longitudinal Investigation of Fertility and the Environment (LIFE) Study. <i>Fertility and Sterility</i> , 2015 , 103, 1271-7 | 4.8 | 48 |
| 77 | Bisphenol A, benzophenone-type ultraviolet filters, and phthalates in relation to uterine leiomyoma. <i>Environmental Research</i> , 2015 , 137, 101-7 | 7.9 | 48 |
| 76 | Oxytocin regimen for labor augmentation, labor progression, and perinatal outcomes. <i>Obstetrics and Gynecology</i> , 2011 , 118, 249-256 | 4.9 | 47 |

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| 75 | Persistent lipophilic environmental chemicals and endometriosis: the ENDO Study. <i>Environmental Health Perspectives</i> , 2012 , 120, 811-6 | 8.4 | 45 |
| 74 | Lipid concentrations and couple fecundity: the LIFE study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, 2786-94 | 5.6 | 44 |
| 73 | Neonatal health of infants born to mothers with asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 85-90.e1-4 | 11.5 | 40 |
| 72 | Perfluorochemicals and endometriosis: the ENDO study. <i>Epidemiology</i> , 2012 , 23, 799-805 | 3.1 | 40 |
| 71 | Persistent organic pollutants and semen quality: The LIFE Study. <i>Chemosphere</i> , 2015 , 135, 427-35 | 8.4 | 38 |
| 70 | In utero exposures and endometriosis: the Endometriosis, Natural History, Disease, Outcome (ENDO) Study. <i>Fertility and Sterility</i> , 2013 , 99, 790-5 | 4.8 | 35 |
| 69 | Endocrine disrupting chemicals in seminal plasma and couple fecundity. <i>Environmental Research</i> , 2018 , 163, 64-70 | 7.9 | 31 |
| 68 | Ambient air pollution and semen quality. <i>Environmental Research</i> , 2018 , 163, 228-236 | 7.9 | 31 |
| 67 | Preconception seminal plasma concentrations of endocrine disrupting chemicals in relation to semen quality parameters among male partners planning for pregnancy. <i>Environmental Research</i> , 2018 , 167, 78-86 | 7.9 | 31 |
| 66 | Evaluation of the effectiveness of semen storage and sperm purification methods for spermatozoa transcript profiling. <i>Systems Biology in Reproductive Medicine</i> , 2013 , 59, 287-95 | 2.9 | 30 |
| 65 | Short- and long-term mortality after an acute illness for elderly whites and blacks. <i>Health Services Research</i> , 2008 , 43, 1388-402 | 3.4 | 30 |
| 64 | Trace elements and endometriosis: the ENDO study. <i>Reproductive Toxicology</i> , 2013 , 42, 41-8 | 3.4 | 29 |
| 63 | Persistent organic pollutants (POPs) and fibroids: results from the ENDO study. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015 , 25, 278-85 | 6.7 | 28 |
| 62 | Paternal exposures to environmental chemicals and time-to-pregnancy: overview of results from the LIFE study. <i>Andrology</i> , 2016 , 4, 639-47 | 4.2 | 28 |
| 61 | Urinary concentrations of benzophenone-type ultraviolet light filters and semen quality. <i>Fertility and Sterility</i> , 2015 , 104, 989-996 | 4.8 | 27 |
| 60 | Maternal psychiatric disorders and risk of preterm birth. <i>Annals of Epidemiology</i> , 2016 , 26, 14-20 | 6.4 | 25 |
| 59 | Interrater and intrarater reliability in the diagnosis and staging of endometriosis. <i>Obstetrics and Gynecology</i> , 2012 , 120, 104-12 | 4.9 | 24 |
| 58 | Preconception low dose aspirin and time to pregnancy: findings from the effects of aspirin in gestation and reproduction randomized trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 1785-91 | 5.6 | 22 |

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| 57 | Preconception stress and the secondary sex ratio: a prospective cohort study. <i>Fertility and Sterility</i> , 2012 , 98, 937-41 | 4.8 | 21 |
| 56 | Semen quality and pregnancy loss in a contemporary cohort of couples recruited before conception: data from the Longitudinal Investigation of Fertility and the Environment (LIFE) Study. <i>Fertility and Sterility</i> , 2017 , 108, 613-619 | 4.8 | 21 |
| 55 | Beyond Body Mass Index: Using Anthropometric Measures and Body Composition Indicators to Assess Odds of an Endometriosis Diagnosis. <i>Journal of Women's Health</i> , 2017 , 26, 941-950 | 3 | 19 |
| 54 | Urinary Phytoestrogens Are Associated with Subtle Indicators of Semen Quality among Male Partners of Couples Desiring Pregnancy. <i>Journal of Nutrition</i> , 2015 , 145, 2535-41 | 4.1 | 19 |
| 53 | Causal inference on quantiles with an obstetric application. <i>Biometrics</i> , 2012 , 68, 697-706 | 1.8 | 19 |
| 52 | Is lower 30-day mortality posthospital admission among blacks unique to the Veterans Affairs health care system?. <i>Medical Care</i> , 2007 , 45, 1083-9 | 3.1 | 19 |
| 51 | Endometriosis diagnosis and staging by operating surgeon and expert review using multiple diagnostic tools: an inter-rater agreement study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2017 , 124, 220-229 | 3.7 | 18 |
| 50 | Male urinary biomarkers of antimicrobial exposure and bi-directional associations with semen quality parameters. <i>Reproductive Toxicology</i> , 2018 , 77, 103-108 | 3.4 | 18 |
| 49 | Bayesian Hierarchical Poisson Regression Models: An Application to a Driving Study with Kinematic Events. <i>Journal of the American Statistical Association</i> , 2013 , 108, 494-503 | 2.8 | 17 |
| 48 | Estimating diagnostic accuracy of raters without a gold standard by exploiting a group of experts. <i>Biometrics</i> , 2012 , 68, 1294-302 | 1.8 | 17 |
| 47 | A joint modeling approach to data with informative cluster size: robustness to the cluster size model. <i>Statistics in Medicine</i> , 2011 , 30, 1825-36 | 2.3 | 17 |
| 46 | Comparing apples and pears: women's perceptions of their body size and shape. <i>Journal of Women's Health</i> , 2012 , 21, 1074-81 | 3 | 17 |
| 45 | Increased urinary cobalt and whole blood concentrations of cadmium and lead in women with uterine leiomyomata: Findings from the ENDO Study. <i>Reproductive Toxicology</i> , 2014 , 49, 27-32 | 3.4 | 15 |
| 44 | Sexual and physical abuse and gynecologic disorders. <i>Human Reproduction</i> , 2016 , 31, 1904-12 | 5.7 | 13 |
| 43 | Male urinary paracetamol and semen quality. <i>Andrology</i> , 2017 , 5, 1082-1088 | 4.2 | 13 |
| 42 | Association of urinary metabolites of organophosphate and pyrethroid insecticides, and phenoxy herbicides with endometriosis. <i>Environment International</i> , 2020 , 136, 105456 | 12.9 | 12 |
| 41 | An Integrated Bayesian Nonparametric Approach for Stochastic and Variability Orders in ROC Curve Estimation: An Application to Endometriosis Diagnosis. <i>Journal of the American Statistical Association</i> , 2015 , 110, 923-934 | 2.8 | 12 |
| 40 | Latent class models for joint analysis of disease prevalence and high-dimensional semicontinuous biomarker data. <i>Biostatistics</i> , 2012 , 13, 74-88 | 3.7 | 12 |

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| 39 | Polybrominated diphenyl ethers and incident pregnancy loss: The LIFE Study. <i>Environmental Research</i> , 2019 , 168, 375-381 | 7.9 | 12 |
| 38 | Low-Dose Aspirin and Sporadic Anovulation in the EAGeR Randomized Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 86-92 | 5.6 | 11 |
| 37 | Outcome-dependent sampling for longitudinal binary response data based on a time-varying auxiliary variable. <i>Statistics in Medicine</i> , 2012 , 31, 2441-56 | 2.3 | 11 |
| 36 | A Comparison Study of Fixed and Mixed Effect Models for Gene Level Association Studies of Complex Traits. <i>Genetic Epidemiology</i> , 2016 , 40, 702-721 | 2.6 | 10 |
| 35 | Selecting factors predictive of heterogeneity in multivariate event time data. <i>Biometrics</i> , 2004 , 60, 352-81.8 | 1.8 | 10 |
| 34 | Human semen quality and the secondary sex ratio. <i>Asian Journal of Andrology</i> , 2017 , 19, 374-381 | 2.8 | 10 |
| 33 | Trace element analysis of human urine collected after administration of Gd-based MRI contrast agents: characterizing spectral interferences using inorganic mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 821-830 | 3.7 | 7 |
| 32 | A crossed random effects modeling approach for estimating diagnostic accuracy from ordinal ratings without a gold standard. <i>Statistics in Medicine</i> , 2013 , 32, 3472-85 | 2.3 | 7 |
| 31 | Minkowski-Weyl Priors for Models With Parameter Constraints: An Analysis of the BioCycle Study. <i>Journal of the American Statistical Association</i> , 2012 , 107, 1395-1409 | 2.8 | 7 |
| 30 | A potential outcomes approach to developmental toxicity analyses. <i>Biometrics</i> , 2006 , 62, 352-60 | 1.8 | 7 |
| 29 | Women's Reproductive History Before the Diagnosis of Incident Endometriosis. <i>Journal of Women's Health</i> , 2016 , 25, 1021-1029 | 3 | 6 |
| 28 | Nonparametric ROC summary statistics for correlated diagnostic marker data. <i>Statistics in Medicine</i> , 2013 , 32, 2209-20 | 2.3 | 6 |
| 27 | Relationship of biochemical outcome to percentage of positive biopsies in men with clinically localized prostate cancer treated with permanent interstitial brachytherapy. <i>Urology</i> , 2008 , 71, 723-7 | 1.6 | 6 |
| 26 | Modeling of correlated data with informative cluster sizes: An evaluation of joint modeling and within-cluster resampling approaches. <i>Statistical Methods in Medical Research</i> , 2017 , 26, 1881-1895 | 2.3 | 5 |
| 25 | A Bayesian order-restricted model for hormonal dynamics during menstrual cycles of healthy women. <i>Statistics in Medicine</i> , 2012 , 31, 2428-40 | 2.3 | 5 |
| 24 | Bayesian estimation of survival functions under stochastic precedence. <i>Lifetime Data Analysis</i> , 2004 , 10, 159-73 | 1.3 | 5 |
| 23 | Choice of underwear and male fecundity in a preconception cohort of couples. <i>Andrology</i> , 2016 , 4, 500-84.2 | 4.2 | 5 |
| 22 | Risk of Adverse Maternal Outcomes in Pregnant Women With Disabilities.. <i>JAMA Network Open</i> , 2021 , 4, e2138414 | 10.4 | 5 |

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| 21 | Male birthweight, semen quality and birth outcomes. <i>Human Reproduction</i> , 2017 , 32, 505-513 | 5.7 | 4 |
| 20 | Association between KIF6 rs20455 polymorphism and the risk of coronary heart disease (CHD): a pooled analysis of 50 individual studies including 40,059 cases and 64,032 controls. <i>Lipids in Health and Disease</i> , 2018 , 17, 4 | 4.4 | 4 |
| 19 | Effect of treatment guidelines on the initial management of idiopathic pulmonary fibrosis. <i>British Journal of Clinical Pharmacology</i> , 2010 , 70, 118-25 | 3.8 | 4 |
| 18 | A Randomized Trial to Evaluate the Effects of Folic Acid and Zinc Supplementation on Male Fertility and Livebirth: Design and Baseline Characteristics. <i>American Journal of Epidemiology</i> , 2020 , 189, 8-26 | 3.8 | 4 |
| 17 | A Bayesian regularized mediation analysis with multiple exposures. <i>Statistics in Medicine</i> , 2019 , 38, 828-843 | 2.3 | 3 |
| 16 | A note on modeling placement values in the analysis of receiver operating characteristic curves.. <i>Biostatistics and Epidemiology</i> , 2021 , 5, 118-133 | 0.8 | 2 |
| 15 | Marginal analysis of measurement agreement among multiple raters with non-ignorable missing ratings. <i>Statistics and Its Interface</i> , 2014 , 7, 113-120 | 0.4 | 2 |
| 14 | A State Duration Model for Brand Choice and Inter-Purchase Time. <i>Journal of Data Science</i> , 2004 , 2, 125-147 | 1.4 | 2 |
| 13 | A correlated Bayesian rank likelihood approach to multiple ROC curves for endometriosis. <i>Statistics in Medicine</i> , 2019 , 38, 1374-1385 | 2.3 | 2 |
| 12 | A Bayesian semiparametric approach to correlated ROC surfaces with stochastic order constraints. <i>Biometrics</i> , 2019 , 75, 539-550 | 1.8 | 2 |
| 11 | A weighted kernel machine regression approach to environmental pollutants and infertility. <i>Statistics in Medicine</i> , 2019 , 38, 809-827 | 2.3 | 2 |
| 10 | A Bayesian multi-dimensional couple-based latent risk model with an application to infertility. <i>Biometrics</i> , 2019 , 75, 315-325 | 1.8 | 2 |
| 9 | A Model-Based Approach to Detection Limits in Studying Environmental Exposures and Human Fecundity. <i>Statistics in Biosciences</i> , 2019 , 11, 524-547 | 1.5 | 1 |
| 8 | Discriminatory capacity of prenatal ultrasound measures for large-for-gestational-age birth: A Bayesian approach to ROC analysis using placement values.. <i>Statistics in Biosciences</i> , 2022 , 14, 1-22 | 1.5 | 1 |
| 7 | Metal(loid)s and human semen quality: The LIFE Study. <i>Reproductive Toxicology</i> , 2021 , 106, 94-102 | 3.4 | 0 |
| 6 | Intergenerational Associations Between Maternal Diet and Childhood Adiposity: A Bayesian Regularized Mediation Analysis. <i>Statistics in Biosciences</i> , 2021 , 13, 524 | 1.5 | 0 |
| 5 | Maternal body composition and gestational weight gain in relation to asthma control during pregnancy.. <i>PLoS ONE</i> , 2022 , 17, e0267122 | 3.7 | 0 |
| 4 | SEQUENTIAL TESTING OF MEASUREMENT ERRORS IN INTER-RATER RELIABILITY STUDIES. <i>Statistica Sinica</i> , 2013 , 23, 1743-1759 | 0.7 | 0 |

- 3 RESPONSE TO DR. ROBERT KANE. *Journal of the American Geriatrics Society*, **2008**, 56, 2354-2355 5.6
- 2 Rejoinder to "Comments about Joint Modeling of Cluster Size and Binary and Continuous Subunit-Specific Outcomes". *Biometrics*, **2005**, 61, 866-867 1.8
- 1 Estimation of multiple ordered ROC curves using placement values.. *Statistical Methods in Medical Research*, **2022**, 9622802221094940 2.3