

Zhen Chen

List of Publications by Year in Descending Order

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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	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
109	Maternal body composition and gestational weight gain in relation to asthma control during pregnancy.. <i>PLoS ONE</i> , 2022 , 17, e0267122	3.7	0
108	Estimation of multiple ordered ROC curves using placement values.. <i>Statistical Methods in Medical Research</i> , 2022 , 9622802221094940	2.3	
107	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
106	Metal(loid)s and human semen quality: The LIFE Study. <i>Reproductive Toxicology</i> , 2021 , 106, 94-102	3.4	0
105	Intergenerational Associations Between Maternal Diet and Childhood Adiposity: A Bayesian Regularized Mediation Analysis. <i>Statistics in Biosciences</i> , 2021 , 13, 524	1.5	0
104	Risk of Adverse Maternal Outcomes in Pregnant Women With Disabilities.. <i>JAMA Network Open</i> , 2021 , 4, e2138414	10.4	5
103	Association of urinary metabolites of organophosphate and pyrethroid insecticides, and phenoxy herbicides with endometriosis. <i>Environment International</i> , 2020 , 136, 105456	12.9	12
102	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
101	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
100	A correlated Bayesian rank likelihood approach to multiple ROC curves for endometriosis. <i>Statistics in Medicine</i> , 2019 , 38, 1374-1385	2.3	2
99	A Bayesian semiparametric approach to correlated ROC surfaces with stochastic order constraints. <i>Biometrics</i> , 2019 , 75, 539-550	1.8	2
98	A Bayesian regularized mediation analysis with multiple exposures. <i>Statistics in Medicine</i> , 2019 , 38, 828-843	3.3	3
97	A weighted kernel machine regression approach to environmental pollutants and infertility. <i>Statistics in Medicine</i> , 2019 , 38, 809-827	2.3	2
96	Polybrominated diphenyl ethers and incident pregnancy loss: The LIFE Study. <i>Environmental Research</i> , 2019 , 168, 375-381	7.9	12
95	A Bayesian multi-dimensional couple-based latent risk model with an application to infertility. <i>Biometrics</i> , 2019 , 75, 315-325	1.8	2
94	Endocrine disrupting chemicals in seminal plasma and couple fecundity. <i>Environmental Research</i> , 2018 , 163, 64-70	7.9	31

93	Ambient air pollution and semen quality. <i>Environmental Research</i> , 2018 , 163, 228-236	7.9	31
92	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
91	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
90	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
89	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
88	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
87	Male birthweight, semen quality and birth outcomes. <i>Human Reproduction</i> , 2017 , 32, 505-513	5.7	4
86	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
85	Male urinary paracetamol and semen quality. <i>Andrology</i> , 2017 , 5, 1082-1088	4.2	13
84	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
83	Human semen quality and the secondary sex ratio. <i>Asian Journal of Andrology</i> , 2017 , 19, 374-381	2.8	10
82	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
81	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
80	Women's Reproductive History Before the Diagnosis of Incident Endometriosis. <i>Journal of Women's Health</i> , 2016 , 25, 1021-1029	3	6
79	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
78	Sexual and physical abuse and gynecologic disorders. <i>Human Reproduction</i> , 2016 , 31, 1904-12	5.7	13
77	Maternal psychiatric disorders and risk of preterm birth. <i>Annals of Epidemiology</i> , 2016 , 26, 14-20	6.4	25
76	Choice of underwear and male fecundity in a preconception cohort of couples. <i>Andrology</i> , 2016 , 4, 500-84.2	5	5

75	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
74	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
73	Urinary concentrations of benzophenone-type ultraviolet light filters and semen quality. <i>Fertility and Sterility</i> , 2015 , 104, 989-996	4.8	27
72	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
71	Pain typology and incident endometriosis. <i>Human Reproduction</i> , 2015 , 30, 2427-38	5.7	69
70	Associations between urinary phthalate concentrations and semen quality parameters in a general population. <i>Human Reproduction</i> , 2015 , 30, 2645-57	5.7	90
69	Bisphenol A, benzophenone-type ultraviolet filters, and phthalates in relation to uterine leiomyoma. <i>Environmental Research</i> , 2015 , 137, 101-7	7.9	48
68	Urinary bisphenol A and semen quality, the LIFE Study. <i>Reproductive Toxicology</i> , 2015 , 51, 7-13	3.4	57
67	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
66	Perfluorochemicals and human semen quality: the LIFE study. <i>Environmental Health Perspectives</i> , 2015 , 123, 57-63	8.4	65
65	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
64	Persistent organic pollutants and semen quality: The LIFE Study. <i>Chemosphere</i> , 2015 , 135, 427-35	8.4	38
63	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
62	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
61	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
60	Lipid concentrations and semen quality: the LIFE study. <i>Andrology</i> , 2014 , 2, 408-15	4.2	49
59	Neonatal outcomes in early term birth. <i>American Journal of Obstetrics and Gynecology</i> , 2014 , 211, 265.e162-165.e165	4.2	115
58	Lipid concentrations and couple fecundity: the LIFE study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, 2786-94	5.6	44

57	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
56	Racial/ethnic differences in pregnancy-related hypertensive disease in nulliparous women. <i>Ethnicity and Disease</i> , 2014 , 24, 283-9	1.8	68
55	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
54	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
53	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
52	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
51	Obstetric complications among US women with asthma. <i>American Journal of Obstetrics and Gynecology</i> , 2013 , 208, 127.e1-8	6.4	59
50	Trace elements and endometriosis: the ENDO study. <i>Reproductive Toxicology</i> , 2013 , 42, 41-8	3.4	29
49	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
48	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
47	Nonparametric ROC summary statistics for correlated diagnostic marker data. <i>Statistics in Medicine</i> , 2013 , 32, 2209-20	2.3	6
46	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
45	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
44	Persistent environmental pollutants and couple fecundity: the LIFE study. <i>Environmental Health Perspectives</i> , 2013 , 121, 231-6	8.4	114
43	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
42	SEQUENTIAL TESTING OF MEASUREMENT ERRORS IN INTER-RATER RELIABILITY STUDIES. <i>Statistica Sinica</i> , 2013 , 23, 1743-1759	0.7	
41	Causal inference on quantiles with an obstetric application. <i>Biometrics</i> , 2012 , 68, 697-706	1.8	19
40	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

39	Preconception stress and the secondary sex ratio: a prospective cohort study. <i>Fertility and Sterility</i> , 2012 , 98, 937-41	4.8	21
38	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
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 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
35	Heavy metals and couple fecundity, the LIFE Study. <i>Chemosphere</i> , 2012 , 87, 1201-7	8.4	89
34	Persistent lipophilic environmental chemicals and endometriosis: the ENDO Study. <i>Environmental Health Perspectives</i> , 2012 , 120, 811-6	8.4	45
33	Perfluorochemicals and endometriosis: the ENDO study. <i>Epidemiology</i> , 2012 , 23, 799-805	3.1	40
32	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
31	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
30	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
29	Interrater and intrarater reliability in the diagnosis and staging of endometriosis. <i>Obstetrics and Gynecology</i> , 2012 , 120, 104-12	4.9	24
28	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
27	Incidence of endometriosis by study population and diagnostic method: the ENDO study. <i>Fertility and Sterility</i> , 2011 , 96, 360-5	4.8	183
26	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
25	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
24	Oxytocin regimen for labor augmentation, labor progression, and perinatal outcomes. <i>Obstetrics and Gynecology</i> , 2011 , 118, 249-256	4.9	47
23	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
22	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

21	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
20	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
19	Do palliative consultations improve patient outcomes?. <i>Journal of the American Geriatrics Society</i> , 2008 , 56, 593-9	5.6	243
18	RESPONSE TO DR. ROBERT KANE. <i>Journal of the American Geriatrics Society</i> , 2008 , 56, 2354-2355	5.6	
17	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
16	Rare structural variants disrupt multiple genes in neurodevelopmental pathways in schizophrenia. <i>Science</i> , 2008 , 320, 539-43	33.3	1443
15	Apolipoprotein E genotype and warfarin dosing among Caucasians and African Americans. <i>Pharmacogenomics Journal</i> , 2008 , 8, 53-60	3.5	74
14	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
13	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
12	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
11	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
10	Warfarin and cytochrome P450 2C9 genotype: possible ethnic variation in warfarin sensitivity. <i>Pharmacogenomics</i> , 2007 , 8, 217-25	2.6	50
9	A potential outcomes approach to developmental toxicity analyses. <i>Biometrics</i> , 2006 , 62, 352-60	1.8	7
8	Rejoinder to "Comments about Joint Modeling of Cluster Size and Binary and Continuous Subunit-Specific Outcomes". <i>Biometrics</i> , 2005 , 61, 866-867	1.8	
7	Selecting factors predictive of heterogeneity in multivariate event time data. <i>Biometrics</i> , 2004 , 60, 352-81.8	1.8	10
6	Bayesian estimation of survival functions under stochastic precedence. <i>Lifetime Data Analysis</i> , 2004 , 10, 159-73	1.3	5
5	A State Duration Model for Brand Choice and Inter-Purchase Time. <i>Journal of Data Science</i> , 2004 , 2, 125-147		2
4	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

3	A Bayesian approach for joint modeling of cluster size and subunit-specific outcomes. <i>Biometrics</i> , 2003 , 59, 521-30	1.8	79
2	Random effects selection in linear mixed models. <i>Biometrics</i> , 2003 , 59, 762-9	1.8	156
1	A Note on the Estimation of the Multinomial Logit Model With Random Effects. <i>American Statistician</i> , 2001 , 55, 89-95	5	62