Zhen Chen

List of Publications by Year
in descending order

113 papers	8,291 citations	61945 43 h-index	46771 89 g-index
114 all docs	114 docs citations	114 times ranked	12776 citing authors

#	Article	IF	Citations
1	Rare Structural Variants Disrupt Multiple Genes in Neurodevelopmental Pathways in Schizophrenia. Science, 2008, 320, 539-543.	6.0	1,654
2	Genome-wide association of early-onset myocardial infarction with single nucleotide polymorphisms and copy number variants. Nature Genetics, 2009, 41, 334-341.	9.4	990
3	Do Palliative Consultations Improve Patient Outcomes?. Journal of the American Geriatrics Society, 2008, 56, 593-599.	1.3	286
4	Urinary Concentrations of Benzophenone-type UV Filters in U.S. Women and Their Association with Endometriosis. Environmental Science & Technology, 2012, 46, 4624-4632.	4.6	263
5	The Influence of Patient Adherence on Anticoagulation Control With Warfarin. Archives of Internal Medicine, 2007, 167, 229.	4.3	254
6	The relationship between male BMI and waist circumference on semen quality: data from the LIFE study. Human Reproduction, 2014, 29, 193-200.	0.4	251
7	Incidence of endometriosis by study population and diagnostic method: the ENDO study. Fertility and Sterility, 2011, 96, 360-365.	0.5	228
8	Thyroid Diseases and Adverse Pregnancy Outcomes in a Contemporary US Cohort. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 2725-2733.	1.8	208
9	Random Effects Selection in Linear Mixed Models. Biometrics, 2003, 59, 762-769.	0.8	194
10	Semen quality and time to pregnancy: the Longitudinal Investigation of Fertility and the Environment Study. Fertility and Sterility, 2014, 101, 453-462.	0.5	158
11	Stress reduces conception probabilities across the fertile window: evidence in support of relaxation. Fertility and Sterility, 2011, 95, 2184-2189.	0.5	147
12	Designing prospective cohort studies for assessing reproductive and developmental toxicity during sensitive windows of human reproduction and development â€“ the LIFE Study. Paediatric and Perinatal Epidemiology, 2011, 25, 413-424.	0.8	140
13	Persistent Environmental Pollutants and Couple Fecundity: The LIFE Study. Environmental Health Perspectives, 2013, 121, 231-236.	2.8	134
14	Associations between urinary phthalate concentrations and semen quality parameters in a general population. Human Reproduction, 2015, 30, 2645-2657.	0.4	122
15	Bisphenol A and phthalates and endometriosis: the Endometriosis: Natural History, Diagnosis and Outcomes Study. Fertility and Sterility, 2013, 100, 162-169.e2.	0.5	117
16	Dosing Algorithms to Predict Warfarin Maintenance Dose in Caucasians and African Americans. Clinical Pharmacology and Therapeutics, 2008, 84, 332-339.	2.3	108
17	Heavy metals and couple fecundity, the LIFE Study. Chemosphere, 2012, 87, 1201-1207.	4.2	108
18	Pain typology and incident endometriosis. Human Reproduction, 2015, 30, 2427-2438.	0.4	105

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19	Warfarin Response and Vitamin K Epoxide Reductase Complex 1 in African Americans and Caucasians. Clinical Pharmacology and Therapeutics, 2007, 81, 742-747.	2.3	104
20	A Bayesian Approach for Joint Modeling of Cluster Size and Subunit-Specific Outcomes. Biometrics, 2003, 59, 521-530.	0.8	93
21	Racial/ethnic differences in pregnancy-related hypertensive disease in nulliparous women. Ethnicity and Disease, 2014, 24, 283-9.	1.0	89
22	Neonatal outcomes in early term birth. American Journal of Obstetrics and Gynecology, 2014, 211, 265.e1-265.e11.	0.7	88
23	Perfluorochemicals and Human Semen Quality: The LIFE Study. Environmental Health Perspectives, 2015, 123, 57-63.	2.8	84
24	Adherence to Warfarin Assessed by Electronic Pill Caps, Clinician Assessment, and Patient Reports: Results from the IN-RANGE Study. Journal of General Internal Medicine, 2007, 22, 1254-1259.	1.3	83
25	Obstetric complications among US women with asthma. American Journal of Obstetrics and Gynecology, 2013, 208, 127.e1-127.e8.	0.7	83
26	A Note on the Estimation of the Multinomial Logit Model With Random Effects. American Statistician, 2001, 55, 89-95.	0.9	82
27	Risk factors associated with endometriosis: importance of study population for characterizing disease in the ENDO Study. American Journal of Obstetrics and Gynecology, 2013, 208, 451.e1-451.e11.	0.7	82
28	Urinary bisphenol A and semen quality, the LIFE Study. Reproductive Toxicology, 2015, 51, 7-13.	1.3	81
29	Apolipoprotein E genotype and warfarin dosing among Caucasians and African Americans. Pharmacogenomics Journal, 2008, 8, 53-60.	0.9	78
30	Prenatal Exposure to Low-Level Polychlorinated Biphenyls in Relation to Mental and Motor Development at 8 Months. American Journal of Epidemiology, 2003, 157, 485-492.	1.6	71
31	Bisphenol A, benzophenone-type ultraviolet filters, and phthalates in relation to uterine leiomyoma. Environmental Research, 2015, 137, 101-107.	3.7	65
32	Relationship between physical occupational exposures and health on semen quality: data from the Longitudinal Investigation of Fertility and the Environment (LIFE) Study. Fertility and Sterility, 2015, 103, 1271-1277.	0.5	63
33	Lipid concentrations and semen quality: the <scp>LIFE</scp> study. Andrology, 2014, 2, 408-415.	1.9	62
34	Oxytocin Regimen for Labor Augmentation, Labor Progression, and Perinatal Outcomes. Obstetrics and Gynecology, 2011, 118, 249-256.	1.2	59
35	Lipid Concentrations and Couple Fecundity: The LIFE Study. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 2786-2794.	1.8	56
36	Neonatal health of infants born to mothers with asthma. Journal of Allergy and Clinical Immunology, 2014, 133, 85-90.e4.	1.5	55

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37	Persistent Lipophilic Environmental Chemicals and Endometriosis: The ENDO Study. Environmental Health Perspectives, 2012, 120, 811-816.	2.8	54
38	Warfarin and cytochrome P450 2C9 genotype: possible ethnic variation in warfarin sensitivity. Pharmacogenomics, 2007, 8, 217-225.	0.6	53
39	Persistent organic pollutants and semen quality: The LIFE Study. Chemosphere, 2015, 135, 427-435.	4.2	53
40	Endocrine disrupting chemicals in seminal plasma and couple fecundity. Environmental Research, 2018, 163, 64-70.	3.7	51
41	Preconception seminal plasma concentrations of endocrine disrupting chemicals in relation to semen quality parameters among male partners planning for pregnancy. Environmental Research, 2018, 167, 78-86.	3.7	51
42	Perfluorochemicals and Endometriosis. Epidemiology, 2012, 23, 799-805.	1.2	49
43	Maternal psychiatric disorders and risk of preterm birth. Annals of Epidemiology, 2016, 26, 14-20.	0.9	45
44	In utero exposures and endometriosis: the Endometriosis, Natural History, Disease, Outcome (ENDO) Study. Fertility and Sterility, 2013, 99, 790-795.	0.5	44
45	Ambient air pollution and semen quality. Environmental Research, 2018, 163, 228-236.	3.7	43
46	Trace elements and endometriosis: The ENDO Study. Reproductive Toxicology, 2013, 42, 41-48.	1.3	41
47	Urinary concentrations of benzophenone-type ultraviolet light filters and semen quality. Fertility and Sterility, 2015, 104, 989-996.	0.5	41
48	Paternal exposures to environmental chemicals and time‐to‐pregnancy: overview of results from the <scp>LIFE</scp> study. Andrology, 2016, 4, 639-647.	1.9	41
49	Short‐ and Long‐Term Mortality after an Acute Illness for Elderly Whites and Blacks. Health Services Research, 2008, 43, 1388-1402.	1.0	39
50	Persistent organic pollutants (POPs) and fibroids: results from the ENDO study. Journal of Exposure Science and Environmental Epidemiology, 2015, 25, 278-285.	1.8	39
51	Evaluation of the effectiveness of semen storage and sperm purification methods for spermatozoa transcript profiling. Systems Biology in Reproductive Medicine, 2013, 59, 287-295.	1.0	37
52	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. Fertility and Sterility, 2017, 108, 613-619.	0.5	37
53	Interrater and Intrarater Reliability in the Diagnosis and Staging of Endometriosis. Obstetrics and Gynecology, 2012, 120, 104-112.	1.2	29
54	Male urinary biomarkers of antimicrobial exposure and bi-directional associations with semen quality parameters. Reproductive Toxicology, 2018, 77, 103-108.	1.3	29

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55	Urinary Phytoestrogens Are Associated with Subtle Indicators of Semen Quality among Male Partners of Couples Desiring Pregnancy. Journal of Nutrition, 2015, 145, 2535-2541.	1.3	27
56	Endometriosis diagnosis and staging by operating surgeon and expert review using multiple diagnostic tools: an interârater agreement study. BJOG: an International Journal of Obstetrics and Gynaecology, 2017, 124, 220-229.	1.1	27
57	Beyond Body Mass Index: Using Anthropometric Measures and Body Composition Indicators to Assess Odds of an Endometriosis Diagnosis. Journal of Women's Health, 2017, 26, 941-950.	1.5	27
58	Preconception stress and the secondary sex ratio: a prospective cohort study. Fertility and Sterility, 2012, 98, 937-941.	0.5	26
59	Causal Inference on Quantiles with an Obstetric Application. Biometrics, 2012, 68, 697-706.	0.8	26
60	Preconception Low Dose Aspirin and Time to Pregnancy: Findings From the Effects of Aspirin in Gestation and Reproduction Randomized Trial. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 1785-1791.	1.8	26
61	Association of urinary metabolites of organophosphate and pyrethroid insecticides, and phenoxy herbicides with endometriosis. Environment International, 2020, 136, 105456.	4.8	26
62	Increased urinary cobalt and whole blood concentrations of cadmium and lead in women with uterine leiomyomata: Findings from the ENDO Study. Reproductive Toxicology, 2014, 49, 27-32.	1.3	25
63	Comparing Apples and Pears: Women's Perceptions of Their Body Size and Shape. Journal of Women's Health, 2012, 21, 1074-1081.	1.5	24
64	A joint modeling approach to data with informative cluster size: Robustness to the cluster size model. Statistics in Medicine, 2011, 30, 1825-1836.	0.8	23
65	Bayesian Hierarchical Poisson Regression Models: An Application to a Driving Study With Kinematic Events. Journal of the American Statistical Association, 2013, 108, 494-503.	1.8	22
66	Is Lower 30-Day Mortality Posthospital Admission Among Blacks Unique to the Veterans Affairs Health Care System?. Medical Care, 2007, 45, 1083-1089.	1.1	21
67	Male urinary paracetamol and semen quality. Andrology, 2017, 5, 1082-1088.	1.9	21
68	Risk of Adverse Maternal Outcomes in Pregnant Women With Disabilities. JAMA Network Open, 2021, 4, e2138414.	2.8	21
69	Sexual and physical abuse and gynecologic disorders. Human Reproduction, 2016, 31, 1904-1912.	0.4	20
70	Polybrominated diphenyl ethers and incident pregnancy loss: The LIFE Study. Environmental Research, 2019, 168, 375-381.	3.7	20
71	Latent class models for joint analysis of disease prevalence and high-dimensional semicontinuous biomarker data. Biostatistics, 2012, 13, 74-88.	0.9	17
72	Estimating Diagnostic Accuracy of Raters Without a Gold Standard by Exploiting a Group of Experts. Biometrics, 2012, 68, 1294-1302.	0.8	17

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73	An Integrated Bayesian Nonparametric Approach for Stochastic and Variability Orders in ROC Curve Estimation: An Application to Endometriosis Diagnosis. Journal of the American Statistical Association, 2015, 110, 923-934.	1.8	15
74	Human semen quality and the secondary sex ratio. Asian Journal of Andrology, 2017, 19, 374.	0.8	13
75	A Potential Outcomes Approach to Developmental Toxicity Analyses. Biometrics, 2006, 62, 352-360.	0.8	12
76	Outcomeâ€dependent sampling for longitudinal binary response data based on a timeâ€varying auxiliary variable. Statistics in Medicine, 2012, 31, 2441-2456.	0.8	12
77	Determining the Clinical Course of Asthma in Pregnancy. Journal of Allergy and Clinical Immunology: in Practice, 2022, 10, 793-802.e10.	2.0	12
78	Selecting Factors Predictive of Heterogeneity in Multivariate Event Time Data. Biometrics, 2004, 60, 352-358.	0.8	11
79	Low-Dose Aspirin and Sporadic Anovulation in the EAGeR Randomized Trial. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 86-92.	1.8	11
80	Relationship of Biochemical Outcome to Percentage of Positive Biopsies in Men with Clinically Localized Prostate Cancer Treated with Permanent Interstitial Brachytherapy. Urology, 2008, 71, 723-727.	0.5	10
81	Choice of underwear and male fecundity in a preconception cohort of couples. Andrology, 2016, 4, 500-508.	1.9	10
82	A Comparison Study of Fixed and Mixed Effect Models for Gene Level Association Studies of Complex Traits. Genetic Epidemiology, 2016, 40, 702-721.	0.6	10
83	Women's Reproductive History Before the Diagnosis of Incident Endometriosis. Journal of Women's Health, 2016, 25, 1021-1029.	1.5	10
84	Male birthweight, semen quality and birth outcomes. Human Reproduction, 2017, 32, 505-513.	0.4	10
85	Trace element analysis of human urine collected after administration of Gd-based MRI contrast agents: characterizing spectral interferences using inorganic mass spectrometry. Journal of Analytical Atomic Spectrometry, 2013, 28, 821.	1.6	9
86	Modeling of correlated data with informative cluster sizes: An evaluation of joint modeling and within-cluster resampling approaches. Statistical Methods in Medical Research, 2017, 26, 1881-1895.	0.7	8
87	Metal(loid)s and human semen quality: The LIFE Study. Reproductive Toxicology, 2021, 106, 94-102.	1.3	8
88	Minkowskiâ€"Weyl Priors for Models With Parameter Constraints: An Analysis of the BioCycle Study. Journal of the American Statistical Association, 2012, 107, 1395-1409.	1.8	7
89	Nonparametric ROC summary statistics for correlated diagnostic marker data. Statistics in Medicine, 2013, 32, 2209-2220.	0.8	7
90	A crossed random effects modeling approach for estimating diagnostic accuracy from ordinal ratings without a gold standard. Statistics in Medicine, 2013, 32, 3472-3485.	0.8	7

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91	A correlated Bayesian rank likelihood approach to multiple ROC curves for endometriosis. Statistics in Medicine, 2019, 38, 1374-1385.	0.8	7
92	A Bayesian regularized mediation analysis with multiple exposures. Statistics in Medicine, 2019, 38, 828-843.	0.8	7
93	A Bayesian Multi-Dimensional Couple-Based Latent Risk Model with an Application to Infertility. Biometrics, 2019, 75, 315-325.	0.8	6
94	A Randomized Trial to Evaluate the Effects of Folic Acid and Zinc Supplementation on Male Fertility and Livebirth: Design and Baseline Characteristics. American Journal of Epidemiology, 2020, 189, 8-26.	1.6	6
95	Maternal body composition and gestational weight gain in relation to asthma control during pregnancy. PLoS ONE, 2022, 17, e0267122.	1.1	6
96	Bayesian Estimation of Survival Functions under Stochastic Precedence. Lifetime Data Analysis, 2004, 10, 159-173.	0.4	5
97	Effect of treatment guidelines on the initial management of idiopathic pulmonary fibrosis. British Journal of Clinical Pharmacology, 2010, 70, 118-125.	1.1	5
98	A Bayesian order‐restricted model for hormonal dynamics during menstrual cycles of healthy women. Statistics in Medicine, 2012, 31, 2428-2440.	0.8	5
99	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. Lipids in Health and Disease, 2018, 17, 4.	1.2	5
100	A Bayesian Semiparametric Approach to Correlated ROC Surfaces With Stochastic Order Constraints. Biometrics, 2019, 75, 539-550.	0.8	4
101	A State Duration Model for Brand Choice and Inter-Purchase Time. Journal of Data Science, 2004, 2, 125-147.	0.5	3
102	A weighted kernel machine regression approach to environmental pollutants and infertility. Statistics in Medicine, 2019, 38, 809-827.	0.8	2
103	A note on modeling placement values in the analysis of receiver operating characteristic curves. Biostatistics and Epidemiology, 2020, 5, 1-16.	0.4	2
104	Asthma Medication Regimens in Pregnancy: Longitudinal Changes in Asthma Status. American Journal of Perinatology, 2023, 40, 172-180.	0.6	2
105	Marginal analysis of measurement agreement among multiple raters with non-ignorable missing ratings. Statistics and Its Interface, 2014, 7, 113-120.	0.2	2
106	USE OF CORTICOSTEROIDS AND CORTICOSTEROID-SPARING AGENTS IN THE INITIAL MANAGEMENT OF IDIOPATHIC PULMONARY FIBROSIS. Chest, 2008, 134, 20S.	0.4	1
107	Sequential Testing of Measurement Errors in Inter-Rater Reliability Studies. Statistica Sinica, 2013, 23, 1743-1759.	0.2	1
108	A Model-Based Approach to Detection Limits in Studying Environmental Exposures and Human Fecundity. Statistics in Biosciences, 2019, 11, 524-547.	0.6	1

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109	Intergenerational Associations Between Maternal Diet and Childhood Adiposity: A Bayesian Regularized Mediation Analysis. Statistics in Biosciences, 2021, 13, 524.	0.6	1
110	Discriminatory Capacity of Prenatal Ultrasound Measures for Large-for-Gestational-Age Birth: A Bayesian Approach to ROC Analysis Using Placement Values. Statistics in Biosciences, 2022, 14, 1-22.	0.6	1
111	Rejoinder to "Comments about Joint Modeling of Cluster Size and Binary and Continuous Subunit-Specific Outcomes". Biometrics, 2005, 61, 866-867.	0.8	0
112	RESPONSE TO DR. ROBERT KANE. Journal of the American Geriatrics Society, 2008, 56, 2354-2355.	1.3	0
113	Estimation of multiple ordered ROC curves using placement values. Statistical Methods in Medical Research, 2022, , 096228022210949.	0.7	0