Naisyin Wang

List of Publications by Year
in descending order

58 papers	2,143 citations	236925 25 h-index	223800 46 g-index
59 all docs	59 docs citations	59 times ranked	2002 citing authors

#	Article	IF	Citations
1	n -3 Polyunsaturated fatty acids modulate carcinogen-directed non-coding microRNA signatures in rat colon. Carcinogenesis, 2009, 30, 2077-2084.	2.8	158
2	Efficient Semiparametric Marginal Estimation for Longitudinal/Clustered Data. Journal of the American Statistical Association, 2005, 100, 147-157.	3.1	142
3	DNA Microarray Experiments: Biological and Technological Aspects. Biometrics, 2002, 58, 701-717.	1.4	137
4	Chemopreventive <i>n</i> -3 Polyunsaturated Fatty Acids Reprogram Genetic Signatures during Colon Cancer Initiation and Progression in the Rat. Cancer Research, 2004, 64, 6797-6804.	0.9	136
5	Regulatory activity of polyunsaturated fatty acids in T-cell signaling. Progress in Lipid Research, 2010, 49, 250-261.	11.6	131
6	Bias Analysis and SIMEX Approach in Generalized Linear Mixed Measurement Error Models. Journal of the American Statistical Association, 1998, 93, 249-261.	3.1	129
7	Chemopreventive n-3 fatty acids activate RXRÂ in colonocytes. Carcinogenesis, 2003, 24, 1541-1548.	2.8	104
8	The role of docosahexaenoic acid in mediating mitochondrial membrane lipid oxidation and apoptosis in colonocytes. Carcinogenesis, 2005, 26, 1914-1921.	2.8	97
9	An Increase in Reactive Oxygen Species by Dietary Fish Oil Coupled with the Attenuation of Antioxidant Defenses by Dietary Pectin Enhances Rat Colonocyte Apoptosis. Journal of Nutrition, 2004, 134, 3233-3238.	2.9	80
10	Selecting the Number of Principal Components in Functional Data. Journal of the American Statistical Association, 2013, 108, 1284-1294.	3.1	73
11	Nearest-Neighbor Variance Estimation (NNVE). Journal of the American Statistical Association, 2002, 97, 994-1019.	3.1	66
12	Regression Analysis When Covariates Are Regression Parameters of a Random Effects Model for Observed Longitudinal Measurements. Biometrics, 2000, 56, 487-495.	1.4	65
13	Generalized Functional Linear Models With Semiparametric Single-Index Interactions. Journal of the American Statistical Association, 2010, 105, 621-633.	3.1	63
14	Dietary n-3 polyunsaturated fatty acids promote activation-induced cell death in Th1-polarized murine CD4+ T-cells. Journal of Lipid Research, 2004, 45, 1482-1492.	4.2	61
15	Dietary Fish Oil Inhibits Antigen-Specific Murine Th1 Cell Development by Suppression of Clonal Expansion. Journal of Nutrition, 2006, 136, 2391-2398.	2.9	60
16	Efficient semiparametric estimator for heteroscedastic partially linear models. Biometrika, 2006, 93, 75-84.	2.4	52
17	Investigation of Organophilic Montmorillonite Clay Inclusion in Zearalenone-Contaminated Diets Using the Mouse Uterine Weight Bioassay. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2001, 62, 243-258.	2.3	47
18	Synergy between docosahexaenoic acid and butyrate elicits p53-independent apoptosis via mitochondrial Ca2+accumulation in colonocytes. American Journal of Physiology - Renal Physiology, 2007, 293, G935-G943.	3.4	47

#	Article	IF	Citations
19	Profile-kernel versus backfitting in the partially linear models for longitudinal/clustered data. Biometrika, 2004, 91, 251-262.	2.4	43
20	Quasilikelihood Estimation in Measurement Error Models with Correlated Replicates. Biometrics, 1996, 52, 401.	1.4	41
21	Anatomical site-specific response to DNA damage is related to later tumor development in the rat azoxymethane colon carcinogenesis model. Carcinogenesis, 2001, 22, 1831-1835.	2.8	41
22	A bias correction regression calibration approach in generalized linear mixed measurement error models. Communications in Statistics - Theory and Methods, 1999, 28, 217-232.	1.0	35
23	Bias Analysis and SIMEX Approach in Generalized Linear Mixed Measurement Error Models. Journal of the American Statistical Association, 1998, 93, 249.	3.1	32
24	A Chemoprotective Fish Oil- and Pectin-Containing Diet Temporally Alters Gene Expression Profiles in Exfoliated Rat Colonocytes throughout Oncogenesis. Journal of Nutrition, 2011, 141, 1029-1035.	2.9	30
25	Joint Models for a Primary Endpoint and Multiple Longitudinal Covariate Processes. Biometrics, 2007, 63, 1068-1078.	1.4	27
26	Noise factor analysis for cDNA microarrays. Journal of Biomedical Optics, 2004, 9, 663.	2.6	21
27	Nonparametric estimation of correlation functions in longitudinal and spatial data, with application to colon carcinogenesis experiments. Annals of Statistics, 2007, 35, 1608.	2.6	21
28	Jackknife Empirical Likelihood Test for Equality of Two High Dimensional Means. Statistica Sinica, 2013, 23, 25-50.	0.3	20
29	Nonparametric Estimation of the Transformation in the Transform-Both-Sides Regression Model. Journal of the American Statistical Association, 1995, 90, 522-534.	3.1	19
30	Estimation of mean response via the effective balancing score. Biometrika, 2014, 101, 613-624.	2.4	19
31	Morphodensitometric analysis of protein kinase C β II expression in rat colon: modulation by diet and relation to in situ cell proliferation and apoptosis. Carcinogenesis, 2000, 21, 1513-1519.	2.8	17
32	Identification of Actively Translated mRNA Transcripts in a Rat Model of Early-Stage Colon Carcinogenesis. Cancer Prevention Research, 2009, 2, 984-994.	1.5	17
33	Linear Transformation Models for Failure Time Data With Covariate Measurement Error. Journal of the American Statistical Association, 2001, 96, 706-716.	3.1	15
34	Parametric and Nonparametric Methods for Understanding the Relationship Between Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon. Journal of the American Statistical Association, 2001, 96, 816-826.	3.1	14
35	Modelling Short- and long -Term Characteristics of Follicle Stimulating Hormone as Predictors of Severe Hot Flashes in the Penn Ovarian Aging Study. Journal of the Royal Statistical Society Series C: Applied Statistics, 2015, 64, 731-753.	1.0	10
36	Joint Modeling of Cross-Sectional Health Outcomes and Longitudinal Predictors via Mixtures of Means and Variances. Biometrics, 2015, 71, 487-497.	1.4	10

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37	Doubly regularized estimation and selection in linear mixed-effects models for high-dimensional longitudinal data. Statistics and Its Interface, 2018, 11, 721-737.	0.3	10
38	Estimation of regression parameters in a semiparametric transformation model. Journal of Statistical Planning and Inference, 1996, 52, 331-351.	0.6	7
39	Statistical Evaluation of the Regulatory Guidelines for Use of Furosemide in Race Horses. Biometrics, 2001, 57, 294-301.	1.4	5
40	Nonparametric Estimation of the Transformation in the Transform-Both-Sides Regression Model. Journal of the American Statistical Association, 1995, 90, 522.	3.1	5
41	A Bayesian analysis of colonic crypt structure and coordinated response to carcinogen exposure incorporating missing crypts. Biostatistics, 2002, 3, 529-546.	1.5	4
42	A two-stage normalization method for partially degraded mRNA microarray data. Bioinformatics, 2005, 21, 4000-4006.	4.1	4
43	Regularized Semiparametric Estimation for Ordinary Differential Equations. Technometrics, 2015, 57, 341-350.	1.9	4
44	Predictive functional linear models with diverging number of semiparametric single-index interactions. Journal of Econometrics, 2022, 230, 221-239.	6.5	4
45	Balancing Inferential Integrity and Disclosure Risk Via Model Targeted Masking and Multiple Imputation. Journal of the American Statistical Association, 0, , 1-15.	3.1	4
46	Comparison of the Chemoprotection Conferred by Grapefruit and Isolated Bioactive Compounds against Colon Cancer. ACS Symposium Series, 2006, , 121-129.	0.5	3
47	Improving Prediction Efficacy Through Abnormality Detection and Data Preprocessing. IEEE Access, 2019, 7, 103794-103805.	4.2	3
48	Estimation of the probability for exceeding a threshold concentration of furosemide at various intervals after intravenous administration in horses. American Journal of Veterinary Research, 2001, 62, 320-325.	0.6	2
49	Comments on: Dynamic relations for sparsely sampled Gaussian processes. Test, 2010, 19, 50-53.	1.1	2
50	Evaluation of fecal mRNA reproducibility via a marginal transformed Mixture modeling approach. BMC Bioinformatics, 2010, 11, 13.	2.6	2
51	Estimation of the probability for exceeding thresholds of urine specific gravity and plasma concentration of furosemide at various intervals after intravenous administration of furosemide in horses. American Journal of Veterinary Research, 2001, 62, 1349-1353.	0.6	1
52	Bayesian estimation of associations between identified longitudinal hormone subgroups and age at final menstrual period. BMC Medical Research Methodology, 2015, 15, 106.	3.1	1
53	Bayesian model assessments in evaluating mixtures of longitudinal trajectories and their associations with cross-sectional health outcomes. Statistics and Its Interface, 2016, 9, 183-201.	0.3	1
54	Fish oil and pectin may suppress colon carcinogenesis via inhibition of the MAPK and TGFβ pathways. FASEB Journal, 2008, 22, 885.8.	0.5	1

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55	Comments on: dynamic relations for sparsely sampled Gaussian processes. Test, 2010, 19, 56-59.	1.1	0
56	A fish oil/pectin diet beneficially altered gene profiles during radiationâ€enhanced colon carcinogenesis. FASEB Journal, 2008, 22, 885.9.	0.5	0
57	A fish oil/pectin diet suppresses radiationâ€enhanced colon carcinogenesis via downâ€regulation of the Î²â€catenin signaling pathway. FASEB Journal, 2009, 23, 897.6.	0.5	0
58	Chemoprotective fish oil/pectin diets temporally alter gene expression profiles in exfoliated colonocytes. FASEB Journal, 2009, 23, 222.2.	0.5	0