

Kathleen F Kerr

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

8,033
citations

81743

39
h-index

51492

86
g-index

126
all docs

126
docs citations

126
times ranked

14298
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Variance for Gene Expression Microarray Data. <i>Journal of Computational Biology</i> , 2000, 7, 819-837.	0.8	1,158
2	Genetic Associations with Valvular Calcification and Aortic Stenosis. <i>New England Journal of Medicine</i> , 2013, 368, 503-512.	13.9	767
3	Standardizing global gene expression analysis between laboratories and across platforms. <i>Nature Methods</i> , 2005, 2, 351-356.	9.0	416
4	Assessing the Clinical Impact of Risk Prediction Models With Decision Curves: Guidance for Correct Interpretation and Appropriate Use. <i>Journal of Clinical Oncology</i> , 2016, 34, 2534-2540.	0.8	392
5	Transient rapamycin treatment can increase lifespan and healthspan in middle-aged mice. <i>ELife</i> , 2016, 5, .	2.8	315
6	Net Reclassification Indices for Evaluating Risk Prediction Instruments. <i>Epidemiology</i> , 2014, 25, 114-121.	1.2	304
7	Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. <i>Nature Genetics</i> , 2013, 45, 621-631.	9.4	282
8	Genetic Diversity and Association Studies in US Hispanic/Latino Populations: Applications in the Hispanic Community Health Study/Study of Latinos. <i>American Journal of Human Genetics</i> , 2016, 98, 165-184.	2.6	266
9	European Ancestry as a Risk Factor for Atrial Fibrillation in African Americans. <i>Circulation</i> , 2010, 122, 2009-2015.	1.6	219
10	Testing for improvement in prediction model performance. <i>Statistics in Medicine</i> , 2013, 32, 1467-1482.	0.8	191
11	Association of Low-Density Lipoprotein Cholesterol-Related Genetic Variants With Aortic Valve Calcium and Incident Aortic Stenosis. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 1764.	3.8	184
12	Design Considerations for Efficient and Effective Microarray Studies. <i>Biometrics</i> , 2003, 59, 822-828.	0.8	172
13	CNS tau efflux via exosomes is likely increased in Parkinson's disease but not in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2016, 12, 1125-1131.	0.4	154
14	Evaluating the Incremental Value of New Biomarkers With Integrated Discrimination Improvement. <i>American Journal of Epidemiology</i> , 2011, 174, 364-374.	1.6	153
15	Models estimating risk of hepatocellular carcinoma in patients with alcohol or NAFLD-related cirrhosis for risk stratification. <i>Journal of Hepatology</i> , 2019, 71, 523-533.	1.8	124
16	The Arabidopsis thaliana Transcriptome in Response to Agrobacterium tumefaciens. <i>Molecular Plant-Microbe Interactions</i> , 2006, 19, 665-681.	1.4	120
17	Development of models estimating the risk of hepatocellular carcinoma after antiviral treatment for hepatitis C. <i>Journal of Hepatology</i> , 2018, 69, 1088-1098.	1.8	119
18	52 Genetic Loci Influencing Myocardial Mass. <i>Journal of the American College of Cardiology</i> , 2016, 68, 1435-1448.	1.2	113

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19	Comparative transcriptome analysis of <i>Agrobacterium tumefaciens</i> in response to plant signal salicylic acid, indole-3-acetic acid and l ³ -amino butyric acid reveals signalling cross-talk and <i>Agrobacterium</i> -plant co-evolution. <i>Cellular Microbiology</i> , 2008, 10, 2339-2354.	1.1	102
20	Genetic loci associated with heart rate variability and their effects on cardiac disease risk. <i>Nature Communications</i> , 2017, 8, 15805.	5.8	95
21	Evaluation of methods for oligonucleotide array data via quantitative real-time PCR. <i>BMC Bioinformatics</i> , 2006, 7, 23.	1.2	89
22	Genome-Wide Association Studies of the PR Interval in African Americans. <i>PLoS Genetics</i> , 2011, 7, e1001304.	1.5	88
23	Multicenter Study of Acetaminophen Hepatotoxicity Reveals the Importance of Biological Endpoints in Genomic Analyses. <i>Toxicological Sciences</i> , 2007, 99, 326-337.	1.4	79
24	Population Structure of Hispanics in the United States: The Multi-Ethnic Study of Atherosclerosis. <i>PLoS Genetics</i> , 2012, 8, e1002640.	1.5	79
25	Large-Scale Candidate Gene Analysis in Whites and African Americans Identifies <i>IL6R</i> Polymorphism in Relation to Atrial Fibrillation. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 557-564.	5.1	74
26	Linear Models for Microarray Data Analysis: Hidden Similarities and Differences. <i>Journal of Computational Biology</i> , 2003, 10, 891-901.	0.8	73
27	Genetics of coronary artery calcification among African Americans, a meta-analysis. <i>BMC Medical Genetics</i> , 2013, 14, 75.	2.1	73
28	Empirical evaluation of data transformations and ranking statistics for microarray analysis. <i>Nucleic Acids Research</i> , 2004, 32, 5471-5479.	6.5	71
29	Genome-wide Association Study of Platelet Count Identifies Ancestry-Specific Loci in Hispanic/Latino Americans. <i>American Journal of Human Genetics</i> , 2016, 98, 229-242.	2.6	71
30	PR interval genome-wide association meta-analysis identifies 50 loci associated with atrial and atrioventricular electrical activity. <i>Nature Communications</i> , 2018, 9, 2904.	5.8	71
31	Multi-ancestry GWAS of the electrocardiographic PR interval identifies 202 loci underlying cardiac conduction. <i>Nature Communications</i> , 2020, 11, 2542.	5.8	59
32	African Ancestry-Specific Alleles and Kidney Disease Risk in Hispanics/Latinos. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 915-922.	3.0	57
33	Meta-analysis of loci associated with age at natural menopause in African-American women. <i>Human Molecular Genetics</i> , 2014, 23, 3327-3342.	1.4	54
34	Genome-wide association study of age at menarche in African-American women. <i>Human Molecular Genetics</i> , 2013, 22, 3329-3346.	1.4	52
35	Comments on the analysis of unbalanced microarray data. <i>Bioinformatics</i> , 2009, 25, 2035-2041.	1.8	50
36	Interleukin-8 and Tumor Necrosis Factor Predict Acute Kidney Injury After Pediatric Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , 2017, 104, 2072-2079.	0.7	49

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37	Novel Loci Associated With PR Interval in a Genome-Wide Association Study of 10 African American Cohorts. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 639-646.	5.1	48
38	Admixture Mapping of Coronary Artery Calcified Plaque in African Americans With Type 2 Diabetes Mellitus. <i>Circulation: Cardiovascular Genetics</i> , 2013, 6, 97-105.	5.1	43
39	An open science study of ageing in companion dogs. <i>Nature</i> , 2022, 602, 51-57.	13.7	43
40	Harborview Burns â€“ 1974 to 2009. <i>PLoS ONE</i> , 2012, 7, e40086.	1.1	42
41	A powerful statistical framework for generalization testing in GWAS, with application to the HCHS/SOL. <i>Genetic Epidemiology</i> , 2017, 41, 251-258.	0.6	41
42	Impact of Ancestry and Common Genetic Variants on QT Interval in African Americans. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 647-655.	5.1	38
43	Fifteen Genetic Loci Associated With the Electrocardiographic P Wave. <i>Circulation: Cardiovascular Genetics</i> , 2017, 10, .	5.1	38
44	Fine-mapping, novel loci identification, and SNP association transferability in a genome-wide association study of QRS duration in African Americans. <i>Human Molecular Genetics</i> , 2016, 25, 4350-4368.	1.4	37
45	Genome-wide association study of generalized anxiety symptoms in the Hispanic Community Health Study/Study of Latinos. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2017, 174, 132-143.	1.1	37
46	Further Insight Into the Incremental Value of New Markers: The Interpretation of Performance Measures and the Importance of Clinical Context. <i>American Journal of Epidemiology</i> , 2012, 176, 482-487.	1.6	32
47	Genome-wide association study of dental caries in the Hispanic Communities Health Study/Study of Latinos (HCHS/SOL). <i>Human Molecular Genetics</i> , 2016, 25, 807-816.	1.4	29
48	Plasma Î±-synuclein and cognitive impairment in the Parkinson's Associated Risk Syndrome: A pilot study. <i>Neurobiology of Disease</i> , 2018, 116, 53-59.	2.1	29
49	Developing Risk Prediction Models for Kidney Injury and Assessing Incremental Value for Novel Biomarkers. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2014, 9, 1488-1496.	2.2	28
50	Evaluating biomarkers for prognostic enrichment of clinical trials. <i>Clinical Trials</i> , 2017, 14, 629-638.	0.7	28
51	Efficient 2 ^k Factorial Designs for Blocks of Size 2 with Microarray Applications. <i>Journal of Quality Technology</i> , 2006, 38, 309-318.	1.8	26
52	Assessment of Second-Opinion Strategies for Diagnoses of Cutaneous Melanocytic Lesions. <i>JAMA Network Open</i> , 2019, 2, e1912597.	2.8	26
53	Association of Triglyceride-Related Genetic Variants With Mitral Annular Calcification. <i>Journal of the American College of Cardiology</i> , 2017, 69, 2941-2948.	1.2	25
54	Genome-Wide Association Study of Blood Pressure Traits by Hispanic/Latino Background: the Hispanic Community Health Study/Study of Latinos. <i>Scientific Reports</i> , 2017, 7, 10348.	1.6	24

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55	GWAS of the electrocardiographic QT interval in Hispanics/Latinos generalizes previously identified loci and identifies population-specific signals. <i>Scientific Reports</i> , 2017, 7, 17075.	1.6	23
56	Functional Genomics Unique to Week 20 Post Wounding in the Deep Cone/Fat Dome of the Duroc/Yorkshire Porcine Model of Fibroproliferative Scarring. <i>PLoS ONE</i> , 2011, 6, e19024.	1.1	21
57	RiGoR: reporting guidelines to address common sources of bias in risk model development. <i>Biomarker Research</i> , 2015, 3, 2.	2.8	21
58	What Is the Best Reference RNA? And Other Questions Regarding the Design and Analysis of Two-color Microarray Experiments. <i>OMICS A Journal of Integrative Biology</i> , 2007, 11, 152-165.	1.0	19
59	A Common <i>SCN5A</i> Variant Is Associated with PR Interval and Atrial Fibrillation Among African Americans. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 1150-1157.	0.8	19
60	Improving risk classification of critical illness with biomarkers: A simulation study. <i>Journal of Critical Care</i> , 2013, 28, 541-548.	1.0	18
61	Methodological issues in current practice may lead to bias in the development of biomarker combinations for predicting acute kidney injury. <i>Kidney International</i> , 2016, 89, 429-438.	2.6	18
62	Genome-wide association study of heart rate and its variability in Hispanic/Latino cohorts. <i>Heart Rhythm</i> , 2017, 14, 1675-1684.	0.3	18
63	Urinalysis findings and urinary kidney injury biomarker concentrations. <i>BMC Nephrology</i> , 2017, 18, 218.	0.8	17
64	Extended analysis of benchmark datasets for Agilent two-color microarrays. <i>BMC Bioinformatics</i> , 2007, 8, 371.	1.2	16
65	Joint Modeling, Covariate Adjustment, and Interaction. <i>Epidemiology</i> , 2011, 22, 805-812.	1.2	15
66	Genome-wide association study of depressive symptoms in the Hispanic Community Health Study/Study of Latinos. <i>Journal of Psychiatric Research</i> , 2018, 99, 167-176.	1.5	15
67	Biomarker combinations for diagnosis and prognosis in multicenter studies: Principles and methods. <i>Statistical Methods in Medical Research</i> , 2019, 28, 969-985.	0.7	15
68	Risk prediction for complex diseases: application to Parkinson disease. <i>Genetics in Medicine</i> , 2013, 15, 361-367.	1.1	14
69	Assessing the Clinical Impact of Risk Models for Opting Out of Treatment. <i>Medical Decision Making</i> , 2019, 39, 86-90.	1.2	14
70	Excess Patient Visits for Cough and Pulmonary Disease at a Large US Health System in the Months Prior to the COVID-19 Pandemic: Time-Series Analysis. <i>Journal of Medical Internet Research</i> , 2020, 22, e21562.	2.1	14
71	Genome-wide association study of PR interval in Hispanics/Latinos identifies novel locus at <i>ID2</i> . <i>Heart</i> , 2018, 104, 904-911.	1.2	12
72	The Importance of Uncertainty and Opt-In v. Opt-Out: Best Practices for Decision Curve Analysis. <i>Medical Decision Making</i> , 2019, 39, 491-492.	1.2	11

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73	Epigenome-wide analysis of long-term air pollution exposure and DNA methylation in monocytes: results from the Multi-Ethnic Study of Atherosclerosis. <i>Epigenetics</i> , 2022, 17, 1-17.	1.3	11
74	First things first: risk model performance metrics should reflect the clinical application. <i>Statistics in Medicine</i> , 2017, 36, 4503-4508.	0.8	10
75	Variants Associated with the Ankle Brachial Index Differ by Hispanic/Latino Ethnic Group: a genome-wide association study in the Hispanic Community Health Study/Study of Latinos. <i>Scientific Reports</i> , 2019, 9, 11410.	1.6	10
76	Age and Physical Activity Levels in Companion Dogs: Results From the Dog Aging Project. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1986-1993.	1.7	10
77	Development of biomarker combinations for postoperative acute kidney injury via Bayesian model selection in a multicenter cohort study. <i>Biomarker Research</i> , 2018, 6, 3.	2.8	8
78	GWAS of QRS duration identifies new loci specific to Hispanic/Latino populations. <i>PLoS ONE</i> , 2019, 14, e0217796.	1.1	8
79	Quantifying Donor Effects on Transplant Outcomes Using Kidney Pairs from Deceased Donors. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2019, 14, 1781-1787.	2.2	8
80	Pathology Trainees'™ Experience and Attitudes on Use of Digital Whole Slide Images. <i>Academic Pathology</i> , 2020, 7, 2374289520951922.	0.7	8
81	More scanning, but not zooming, is associated with diagnostic accuracy in evaluating digital breast pathology slides. <i>Journal of Vision</i> , 2021, 21, 7.	0.1	7
82	Once-daily feeding is associated with better health in companion dogs: results from the Dog Aging Project. <i>GeroScience</i> , 2022, 44, 1779-1790.	2.1	6
83	Lifetime prevalence of malignant and benign tumours in companion dogs: Cross-sectional analysis of Dog Aging Project baseline survey. <i>Veterinary and Comparative Oncology</i> , 2022, 20, 797-804.	0.8	6
84	Optimality Criteria for the Design of 2-Color Microarray Studies. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2012, 11, Article 10.	0.2	5
85	Histopathologic synoptic reporting of invasive melanoma: How reliable are the data?. <i>Cancer</i> , 2021, 127, 3125-3136.	2.0	5
86	Using ordinal outcomes to construct and select biomarker combinations for single-level prediction. <i>Diagnostic and Prognostic Research</i> , 2018, 2, 8.	0.8	4
87	BioPETsurv: Methodology and open source software to evaluate biomarkers for prognostic enrichment of time-to-event clinical trials. <i>PLoS ONE</i> , 2020, 15, e0239486.	1.1	4
88	Reply to A.J. Vickers et al. <i>Journal of Clinical Oncology</i> , 2017, 35, 473-475.	0.8	3
89	Reply. <i>Annals of Thoracic Surgery</i> , 2018, 106, 641.	0.7	3
90	Developing Biomarker Panels to Predict Progression of Acute Kidney Injury After Cardiac Surgery. <i>Kidney International Reports</i> , 2019, 4, 1677-1688.	0.4	3

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91	Recalibration Methods for Improved Clinical Utility of Risk Scores. <i>Medical Decision Making</i> , 2022, 42, 500-512.	1.2	3
92	A Comparison of Two Classes of Methods for Estimating False Discovery Rates in Microarray Studies. <i>Scientifica</i> , 2012, 2012, 1-9.	0.6	2
93	Tuberculosis State Is Associated with Expression of Toll-Like Receptor 2 in Sputum Macrophages. <i>MSphere</i> , 2017, 2, .	1.3	2
94	Empirical evaluation of data transformations and ranking statistics for microarray analysis. <i>Nucleic Acids Research</i> , 2004, 32, 5972-5972.	6.5	1
95	Developing biomarker combinations in multicenter studies via direct maximization and penalization. <i>Statistics in Medicine</i> , 2020, 39, 3412-3426.	0.8	1
96	Histopathological Diagnosis of Cutaneous Melanocytic Lesions: Blinded and <sc>Nonâ€Blinded</sc> Second Opinions Offer Similar Improvement in Diagnostic Accuracy. <i>Clinical and Experimental Dermatology</i> , 2022, , .	0.6	1
97	Stationary Gaussian processes on the vertices of the k-cube. <i>Journal of Statistical Planning and Inference</i> , 2004, 118, 1-8.	0.4	0
98	Sources of Variation in Microarray Experiments. , 2006, , 37-47.		0
99	Design Principles for Microarray Investigations. , 2007, , 39-49.		0
100	Comparisons of cancer staging systems should be based on overall performance in the population. <i>Clinical Trials</i> , 2017, 14, 659-660.	0.7	0
101	Gastrointestinal Cancer Survival and Radiation Exposure among Atomic Bomb Survivors: The Life Span Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021, 30, 412-418.	1.1	0
102	Title is missing!. , 2020, 15, e0239486.		0
103	Title is missing!. , 2020, 15, e0239486.		0
104	Title is missing!. , 2020, 15, e0239486.		0
105	Title is missing!. , 2020, 15, e0239486.		0
106	Title is missing!. , 2020, 15, e0239486.		0
107	Title is missing!. , 2020, 15, e0239486.		0