

Kerby Shedden

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119
papers

6,464
citations

33
h-index

80
g-index

127
ext. papers

7,314
ext. citations

6.4
avg. IF

5.4
L-index

#	Paper	IF	Citations
119	Finite mixture modeling with mixture outcomes using the EM algorithm. <i>Biometrics</i> , 1999 , 55, 463-9	1.8	943
118	Gene expression-based survival prediction in lung adenocarcinoma: a multi-site, blinded validation study. <i>Nature Medicine</i> , 2008 , 14, 822-7	50.5	835
117	The prognostic role of a gene signature from tumorigenic breast-cancer cells. <i>New England Journal of Medicine</i> , 2007 , 356, 217-26	59.2	826
116	Molecular classification of papillary thyroid carcinoma: distinct BRAF, RAS, and RET/PTC mutation-specific gene expression profiles discovered by DNA microarray analysis. <i>Oncogene</i> , 2005 , 24, 6646-56	9.2	315
115	Expulsion of small molecules in vesicles shed by cancer cells: association with gene expression and chemosensitivity profiles. <i>Cancer Research</i> , 2003 , 63, 4331-7	10.1	258
114	Isolation and molecular characterization of cancer stem cells in MMTV-Wnt-1 murine breast tumors. <i>Stem Cells</i> , 2008 , 26, 364-71	5.8	244
113	Tissue transcriptome-driven identification of epidermal growth factor as a chronic kidney disease biomarker. <i>Science Translational Medicine</i> , 2015 , 7, 316ra193	17.5	202
112	Integrated genomic profiling of chronic lymphocytic leukemia identifies subtypes of deletion 13q14. <i>Cancer Research</i> , 2008 , 68, 1012-21	10.1	173
111	Plasma glycoprotein profiling for colorectal cancer biomarker identification by lectin glycoarray and lectin blot. <i>Journal of Proteome Research</i> , 2008 , 7, 1693-703	5.6	163
110	Glycoprotein microarrays with multi-lectin detection: unique lectin binding patterns as a tool for classifying normal, chronic pancreatitis and pancreatic cancer sera. <i>Journal of Proteome Research</i> , 2007 , 6, 1864-74	5.6	129
109	Mutations in linker histone genes HIST1H1 B, C, D, and E; OCT2 (POU2F2); IRF8; and ARID1A underlying the pathogenesis of follicular lymphoma. <i>Blood</i> , 2014 , 123, 1487-98	2.2	117
108	The high burden of alcoholic cirrhosis in privately insured persons in the United States. <i>Hepatology</i> , 2018 , 68, 872-882	11.2	110
107	Urinary glycoprotein biomarker discovery for bladder cancer detection using LC/MS-MS and label-free quantification. <i>Clinical Cancer Research</i> , 2011 , 17, 3349-59	12.9	106
106	Comprehensive biomarker and genomic analysis identifies p53 status as the major determinant of response to MDM2 inhibitors in chronic lymphocytic leukemia. <i>Blood</i> , 2008 , 111, 1584-93	2.2	103
105	Comparison of seven methods for producing Affymetrix expression scores based on False Discovery Rates in disease profiling data. <i>BMC Bioinformatics</i> , 2005 , 6, 26	3.6	97
104	Integrative analysis of genomic aberrations associated with prostate cancer progression. <i>Cancer Research</i> , 2007 , 67, 8229-39	10.1	96
103	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. <i>Cell</i> , 2019 , 177, 231-242	56.2	91

102	Activating STAT6 mutations in follicular lymphoma. <i>Blood</i> , 2015 , 125, 668-79	2.2	87
101	Analysis of cell-cycle-specific gene expression in human cells as determined by microarrays and double-thymidine block synchronization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 4379-84	11.5	87
100	Clonal evolution and devolution after chemotherapy in adult acute myelogenous leukemia. <i>Blood</i> , 2013 , 121, 369-77	2.2	84
99	The prognostic significance of various 13q14 deletions in chronic lymphocytic leukemia. <i>Clinical Cancer Research</i> , 2011 , 17, 6778-90	12.9	80
98	Low Buffer Capacity and Alternating Motility along the Human Gastrointestinal Tract: Implications for in Vivo Dissolution and Absorption of Ionizable Drugs. <i>Molecular Pharmaceutics</i> , 2017 , 14, 4281-4294 ^{5.6}	5.6	66
97	Aggressive chronic lymphocytic leukemia with elevated genomic complexity is associated with multiple gene defects in the response to DNA double-strand breaks. <i>Clinical Cancer Research</i> , 2010 , 16, 835-47	12.9	63
96	Proteomic analysis of cytokeratin isoforms uncovers association with survival in lung adenocarcinoma. <i>Neoplasia</i> , 2002 , 4, 440-8	6.4	61
95	Dimension Reduction for Multivariate Response Data. <i>Journal of the American Statistical Association</i> , 2003 , 98, 99-109	2.8	59
94	Analysis of cell-cycle gene expression in <i>Saccharomyces cerevisiae</i> using microarrays and multiple synchronization methods. <i>Nucleic Acids Research</i> , 2002 , 30, 2920-9	20.1	56
93	NF1 inactivation in adult acute myelogenous leukemia. <i>Clinical Cancer Research</i> , 2010 , 16, 4135-47	12.9	54
92	Renal gene and protein expression signatures for prediction of kidney disease progression. <i>American Journal of Pathology</i> , 2009 , 174, 2073-85	5.8	54
91	Clonal evolution, genomic drivers, and effects of therapy in chronic lymphocytic leukemia. <i>Clinical Cancer Research</i> , 2013 , 19, 2893-904	12.9	52
90	The respiratory microbiome and susceptibility to influenza virus infection. <i>PLoS ONE</i> , 2019 , 14, e0207898 ^{9.7}	9.7	46
89	A Quantitative Analysis of Subclonal and Clonal Gene Mutations before and after Therapy in Chronic Lymphocytic Leukemia. <i>Clinical Cancer Research</i> , 2016 , 22, 4525-35	12.9	45
88	Microarray analysis of gene expression during the cell cycle. <i>Cell & Chromosome</i> , 2003 , 2, 1		39
87	Restless Legs Syndrome and Sleep-Wake Disturbances in Pregnancy. <i>Journal of Clinical Sleep Medicine</i> , 2017 , 13, 863-870	3.1	35
86	A cell-based molecular transport simulator for pharmacokinetic prediction and cheminformatic exploration. <i>Molecular Pharmaceutics</i> , 2006 , 3, 704-16	5.6	33
85	Plosive voicing in Afrikaans: Differential cue weighting and tonogenesis. <i>Journal of Phonetics</i> , 2018 , 66, 185-216	2.2	33

84	Data mining the NCI60 to predict generalized cytotoxicity. <i>Journal of Chemical Information and Modeling</i> , 2008 , 48, 1379-88	6.1	29
83	Cell-Intrinsic Determinants of Ibrutinib-Induced Apoptosis in Chronic Lymphocytic Leukemia. <i>Clinical Cancer Research</i> , 2017 , 23, 1049-1059	12.9	28
82	Incidence and clinical implications of ATM aberrations in chronic lymphocytic leukemia. <i>Genes Chromosomes and Cancer</i> , 2012 , 51, 1125-32	5	28
81	The subcellular distribution of small molecules: a meta-analysis. <i>Molecular Pharmaceutics</i> , 2011 , 8, 1611-8.6	9.6	27
80	A pathobiological role of the insulin receptor in chronic lymphocytic leukemia. <i>Clinical Cancer Research</i> , 2011 , 17, 2679-92	12.9	27
79	Chemoinformatic analysis of a supertargeted combinatorial library of styryl molecules. <i>Journal of Chemical Information and Computer Sciences</i> , 2003 , 43, 2068-80		27
78	Formulation predictive dissolution (fPD) testing to advance oral drug product development: An introduction to the US FDA funded 21st Century BA/BE project. <i>International Journal of Pharmaceutics</i> , 2018 , 548, 120-127	6.5	27
77	Statistical Significance and the Dichotomization of Evidence: The Relevance of the for Statisticians. <i>Journal of the American Statistical Association</i> , 2017 , 112, 902-904	2.8	26
76	A Mechanistic Physiologically-Based Biopharmaceutics Modeling (PBPM) Approach to Assess the In Vivo Performance of an Orally Administered Drug Product: From IVIVC to IVIVP. <i>Pharmaceutics</i> , 2020 , 12,	6.4	25
75	Toward a "treadmill test" for cognition: Improved prediction of general cognitive ability from the task activated brain. <i>Human Brain Mapping</i> , 2020 , 41, 3186-3197	5.9	24
74	Critical Relevance of Stochastic Effects on Low-Bacterial-Biomass 16S rRNA Gene Analysis. <i>MBio</i> , 2020 , 11,	7.8	19
73	A cheminformatic toolkit for mining biomedical knowledge. <i>Pharmaceutical Research</i> , 2007 , 24, 1791-802.5	4.5	19
72	Integrated genomic profiling, therapy response, and survival in adult acute myelogenous leukemia. <i>Clinical Cancer Research</i> , 2015 , 21, 2045-56	12.9	18
71	Applying MetaMap to Medline for identifying novel associations in a large clinical dataset: a feasibility analysis. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014 , 21, 925-37	8.6	18
70	Linking the Gastrointestinal Behavior of Ibuprofen with the Systemic Exposure between and within Humans-Part 1: Fasted State Conditions. <i>Molecular Pharmaceutics</i> , 2018 , 15, 5454-5467	5.6	18
69	Gastric emptying and intestinal appearance of nonabsorbable drugs phenol red and paromomycin in human subjects: A multi-compartment stomach approach. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 129, 162-174	5.7	18
68	The effects of family, dentition, and dental caries on the salivary microbiome. <i>Annals of Epidemiology</i> , 2016 , 26, 348-54	6.4	16
67	System dynamics of subcellular transport. <i>Molecular Pharmaceutics</i> , 2004 , 1, 414-25	5.6	15

66	Clinical predictors of the medical interventions provided to patients with low back pain in the emergency department. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2018 , 31, 197-204	1.4	14
65	Gender Disparities in Alcohol Use Disorder Treatment Among Privately Insured Patients with Alcohol-Associated Cirrhosis. <i>Alcoholism: Clinical and Experimental Research</i> , 2019 , 43, 334-341	3.7	13
64	Folate binding protein: therapeutic natural nanotechnology for folic acid, methotrexate, and leucovorin. <i>Nanoscale</i> , 2017 , 9, 2603-2615	7.7	12
63	Measures of Cystic Fibrosis Airway Microbiota during Periods of Clinical Stability. <i>Annals of the American Thoracic Society</i> , 2019 , 16, 1534-1542	4.7	12
62	Associations of snoring frequency and intensity in pregnancy with time-to-delivery. <i>Paediatric and Perinatal Epidemiology</i> , 2018 , 32, 504-511	2.7	11
61	Correlation and heritability in neuroimaging datasets: a spatial decomposition approach with application to an fMRI study of twins. <i>NeuroImage</i> , 2012 , 59, 1132-42	7.9	10
60	Selective targeting of tumorigenic cancer cell lines by microtubule inhibitors. <i>PLoS ONE</i> , 2009 , 4, e4470	3.7	10
59	Linking the Gastrointestinal Behavior of Ibuprofen with the Systemic Exposure between and within Humans-Part 2: Fed State. <i>Molecular Pharmaceutics</i> , 2018 , 15, 5468-5478	5.6	10
58	The respiratory microbiota: associations with influenza symptomatology and viral shedding. <i>Annals of Epidemiology</i> , 2019 , 37, 51-56.e6	6.4	9
57	Machine vision-assisted analysis of structure-localization relationships in a combinatorial library of prospective bioimaging probes. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009 , 75, 482-93	4.6	8
56	Microarrays and the relationship of mRNA variation to protein variation during the cell cycle. <i>Journal of Theoretical Biology</i> , 2007 , 249, 574-81	2.3	7
55	A rational approach to personalized anticancer therapy: chemoinformatic analysis reveals mechanistic gene-drug associations. <i>Pharmaceutical Research</i> , 2003 , 20, 843-7	4.5	7
54	Identification of Shared Components in Large Ensembles of Time Series Using Dimension Reduction. <i>Journal of the American Statistical Association</i> , 2002 , 97, 759-765	2.8	7
53	Maternal Weight, Snoring, and Hypertension: Potential Pathways of Associations. <i>American Journal of Hypertension</i> , 2018 , 31, 1133-1138	2.3	7
52	Regularized finite mixture models for probability trajectories. <i>Psychometrika</i> , 2008 , 73, 625-646	2.2	6
51	Loss of Imprinting in Human Placentas Is Widespread, Coordinated, and Predicts Birth Phenotypes. <i>Molecular Biology and Evolution</i> , 2020 , 37, 429-441	8.3	5
50	Digital photography as an educational food logging tool in obese patients with type 2 diabetes: lessons learned from a randomized, crossover pilot trial. <i>The Diabetes Educator</i> , 2014 , 40, 89-99	2.5	4
49	Invariant mRNA and mitotic protein breakdown solves the Russian Doll problem of the cell cycle. <i>Cell Biology International</i> , 2009 , 33, 10-8	4.5	4

48	The application of rule-based methods to class prediction problems in genomics. <i>Journal of Computational Biology</i> , 2003 , 10, 689-98	1.7	4
47	Urinary excretion of epidermal growth factor and rapid loss of kidney function. <i>Nephrology Dialysis Transplantation</i> , 2021 , 36, 1882-1892	4.3	4
46	Inkjet-printed micro-calibration standards for ultraquantitative Raman spectral cytometry. <i>Analyst, The</i> , 2019 , 144, 3790-3799	5	3
45	Designing and validating a low-cost real time locating system to continuously assess patient wait times. <i>Journal of Biomedical Informatics</i> , 2020 , 106, 103428	10.2	3
44	Chemical address tags of fluorescent bioimaging probes. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010 , 77, 429-38	4.6	3
43	Prospecting for Live Cell BioImaging Probes With Cheminformatic Assisted Image Arrays (CAIA) 2007 , 1108-1111	1.5	3
42	Measurement of fasted state gastric antral motility before and after a standard bioavailability and bioequivalence 240 mL drink of water: Validation of MRI method against concomitant perfused manometry in healthy participants. <i>PLoS ONE</i> , 2020 , 15, e0241441	3.7	3
41	Comment: Ridge Regression, Ranking Variables and Improved Principal Component Regression. <i>Technometrics</i> , 2020 , 62, 451-455	1.4	3
40	An Expandable Mechanopharmaceutical Device (3): a Versatile Raman Spectral Cytometry Approach to Study the Drug Cargo Capacity of Individual Macrophages. <i>Pharmaceutical Research</i> , 2018 , 36, 2	4.5	3
39	Bariatric surgery and the risk of alcohol-related cirrhosis and alcohol misuse. <i>Liver International</i> , 2021 , 41, 1012-1019	7.9	3
38	Exploratory chemoinformatic analysis of cell type-selective anticancer drug targeting. <i>Molecular Pharmaceutics</i> , 2004 , 1, 267-80	5.6	2
37	Outlier-Based Differential Expression Analysis in Proteomics Studies. <i>Journal of Proteomics and Bioinformatics</i> , 2011 , 4, 116-122	2.1	2
36	Vitamin D Deficiency in Children Undergoing Vertical Expandable Prosthetic Titanium Rib Treatment. <i>Journal of Pediatric Orthopaedics</i> , 2015 , 35, e85-9	2.4	2
35	Multiple sclerosis relapse risk in the postoperative period: Effects of invasive surgery and anesthesia. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 1437-1440	5	2
34	Distribution and outcomes of infection of Mycobacterium avium complex species in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2020 , 19, 232-235	4.1	2
33	Quantitative morphometrics reveals glomerular changes in patients with infrequent segmentally sclerosed glomeruli. <i>Journal of Clinical Pathology</i> , 2021 ,	3.9	2
32	Change in urban and non-urban pattern of ED use during the COVID-19 pandemic in 28 Michigan hospitals: an observational study. <i>BMJ Open</i> , 2021 , 11, e043024	3	2
31	Associations between bedtime eating or drinking, sleep duration and wake after sleep onset: findings from the American time use survey. <i>British Journal of Nutrition</i> , 2021 , 1-10	3.6	2

30	Reply to: the liptak-stouffer test for meta-analyses. <i>Biological Psychiatry</i> , 2015 , 77, e3-4	7.9	1
29	Recurrent STAT6 Mutations In Follicular Lymphoma. <i>Blood</i> , 2013 , 122, 503-503	2.2	1
28	The respiratory microbiome and susceptibility to influenza virus infection		1
27	The Impact of Diabetes on Clinical Outcomes in Chronic Lymphocytic Leukemia. <i>Blood</i> , 2015 , 126, 2095-2095	2.2	1
26	Acquired Genomic Copy Number Aberrations and Survival In CLL. <i>Blood</i> , 2010 , 116, 1713-1713	2.2	1
25	Analysis of the Coding Genome of Follicular Lymphoma Identifies Multiple Novel Recurrently Mutated Genes. <i>Blood</i> , 2012 , 120, 147-147	2.2	1
24	Brain-wide functional connectivity patterns support general cognitive ability and mediate effects of socioeconomic status in youth. <i>Translational Psychiatry</i> , 2021 , 11, 571	8.6	0
23	Joint Mean and Covariance Estimation with Unreplicated Matrix-Variate Data. <i>Journal of the American Statistical Association</i> , 2019 , 114, 682-696	2.8	0
22	Gene expression associations with the growth inhibitory effects of small molecules on live cells: specificity of effects and uniformity of mechanisms. <i>Statistical Analysis and Data Mining</i> , 2009 , 2, 175-185 ^{1.4}		
21	The Effects of Intergene Associations on Statistical Inferences from Microarray Data307-323		
20	Monte Carlo Deconvolution of Digital Signals Guided by the Inverse Filter. <i>Journal of the American Statistical Association</i> , 2001 , 96, 1014-1021	2.8	
19	Comprehensive Biomarker and Genomic Analysis Identifies p53 Status as the Major Determinant of Response to MDM2 Inhibitors in Chronic Lymphocytic Leukemia.. <i>Blood</i> , 2007 , 110, 224-224	2.2	
18	Genomic Complexity Identifies Patients with Agressive Chronic Lymphocytic Leukemia.. <i>Blood</i> , 2007 , 110, 489-489	2.2	
17	A Quantitative Analysis of Subclonal and Clonal Gene Mutations Occurring Pre- and Post-Therapy in 53 Cases of Chronic Lymphocytic Leukemia. <i>Blood</i> , 2015 , 126, 2909-2909	2.2	
16	Identification of Molecular and Biological Predictors of Genomic Complexity in Chronic Lymphocytic Leukemia.. <i>Blood</i> , 2008 , 112, 2061-2061	2.2	
15	Comprehensive Ultra High Resolution Analysis of Copy Number and Allele Status Including Novel Microdeletions Spanning NF1 in Acute Myelogenous Leukemia. <i>Blood</i> , 2008 , 112, 3107-3107	2.2	
14	Integrated Genomic Profiling Identifies Preferential Expression of the Insulin Receptor in CLL with Deletion 11q.. <i>Blood</i> , 2008 , 112, 1202-1202	2.2	
13	Genome-Wide Analysis of Microdeletions and Identification of NF1 Inactivation in Acute Myelogenous Leukemia.. <i>Blood</i> , 2009 , 114, 165-165	2.2	

12 A Pathobiological Role of the Insulin Receptor in Chronic Lymphocytic Leukemia.. *Blood*, **2009**, 114, 2324-2324

11 The Prognostic Importance of Various 13q14 Deletions In CLL. *Blood*, **2010**, 116, 3587-3587 2.2

10 Epigenetic Profiling of Primary CLL Reveals Novel DNA Methylation-Based Clusters and Novel Mechanisms of Leukemogenesis. *Blood*, **2012**, 120, 3877-3877 2.2

9 Clonal Evolution in Chronic Lymphocytic Leukemia. *Blood*, **2012**, 120, 3870-3870 2.2

8 The Landscape Of Gene Mutations In Chronic Lymphocytic Leukemia With Elevated Genomic Complexity. *Blood*, **2013**, 122, 4133-4133 2.2

7 Genomic Complexity Versus Gene Mutations In Predicting Overall Survival In Adult Acute Myelogenous Leukemia. *Blood*, **2013**, 122, 1324-1324 2.2

6 Measurement of fasted state gastric antral motility before and after a standard bioavailability and bioequivalence 240 mL drink of water: Validation of MRI method against concomitant perfused manometry in healthy participants **2020**, 15, e0241441

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2 Measurement of fasted state gastric antral motility before and after a standard bioavailability and bioequivalence 240 mL drink of water: Validation of MRI method against concomitant perfused manometry in healthy participants **2020**, 15, e0241441

1 Measurement of fasted state gastric antral motility before and after a standard bioavailability and bioequivalence 240 mL drink of water: Validation of MRI method against concomitant perfused manometry in healthy participants **2020**, 15, e0241441