

# Rex L Chisholm

## 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.

126  
papers

13,877  
citations

53  
h-index

117  
g-index

135  
ext. papers

17,907  
ext. citations

12.3  
avg, IF

7.92  
L-index

#	Paper	IF	Citations
126	Genomic medicine year in review: 2021. <i>American Journal of Human Genetics</i> , <b>2021</b> , 108, 2210-2214	11	1
125	The Gene Ontology resource: enriching a GOld mine. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, D325-D334	20.1	494
124	Is genetic ancestry a tool to combat health disparities?. <i>Cell</i> , <b>2021</b> , 184, 1964-1965	56.2	1
123	Neptune: an environment for the delivery of genomic medicine. <i>Genetics in Medicine</i> , <b>2021</b> , 23, 1838-1848	8.1	1
122	Frequency of genomic secondary findings among 21,915 eMERGE network participants. <i>Genetics in Medicine</i> , <b>2020</b> , 22, 1470-1477	8.1	23
121	Pathogenic and Uncertain Genetic Variants Have Clinical Cardiac Correlates in Diverse Biobank Participants. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e013808	6	10
120	A Polygenic and Phenotypic Risk Prediction for Polycystic Ovary Syndrome Evaluated by Phenome-Wide Association Studies. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2020</b> , 105,	5.6	17
119	Genomic Medicine Year in Review: 2020. <i>American Journal of Human Genetics</i> , <b>2020</b> , 107, 1007-1010	11	2
118	Harmonizing Clinical Sequencing and Interpretation for the eMERGE III Network. <i>American Journal of Human Genetics</i> , <b>2019</b> , 105, 588-605	11	63
117	Opportunities, resources, and techniques for implementing genomics in clinical care. <i>Lancet, The</i> , <b>2019</b> , 394, 511-520	40	30
116	dictyBase and the Dicty Stock Center (version 2.0) - a progress report. <i>International Journal of Developmental Biology</i> , <b>2019</b> , 63, 563-572	1.9	6
115	An ancillary genomics system to support the return of pharmacogenomic results. <i>Journal of the American Medical Informatics Association: JAMIA</i> , <b>2019</b> , 26, 306-310	8.6	12
114	Genomic Medicine Year in Review: 2019. <i>American Journal of Human Genetics</i> , <b>2019</b> , 105, 1072-1075	11	7
113	The Gene Ontology Resource: 20 years and still GOing strong. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, D330-D338	38.1	1962
112	The eMERGE genotype set of 83,717 subjects imputed to ~40 million variants genome wide and association with the herpes zoster medical record phenotype. <i>Genetic Epidemiology</i> , <b>2019</b> , 43, 63-81	2.6	32
111	Research Directions in the Clinical Implementation of Pharmacogenomics: An Overview of US Programs and Projects. <i>Clinical Pharmacology and Therapeutics</i> , <b>2018</b> , 103, 778-786	6.1	63
110	Expansion of the Gene Ontology knowledgebase and resources. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, D331-D338	23.8	1258

109	Bedside Back to Bench: Building Bridges between Basic and Clinical Genomic Research. <i>Cell</i> , <b>2017</b> , 169, 6-12	56.2	81
108	Apolipoprotein L1 Variants and Blood Pressure Traits in African Americans. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 1564-1574	15.1	32
107	Genome-wide study of resistant hypertension identified from electronic health records. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171745	3.7	23
106	A genome-wide association study identifies variants in KCNIP4 associated with ACE inhibitor-induced cough. <i>Pharmacogenomics Journal</i> , <b>2016</b> , 16, 231-7	3.5	37
105	The phenotypic legacy of admixture between modern humans and Neandertals. <i>Science</i> , <b>2016</b> , 351, 737-41	41.3	172
104	Association of Arrhythmia-Related Genetic Variants With Phenotypes Documented in Electronic Medical Records. <i>JAMA - Journal of the American Medical Association</i> , <b>2016</b> , 315, 47-57	27.4	115
103	Genetic variation among 82 pharmacogenes: The PGRNseq data from the eMERGE network. <i>Clinical Pharmacology and Therapeutics</i> , <b>2016</b> , 100, 160-9	6.1	110
102	Managing, Funding, and Supporting Research <b>2015</b> , 149-158		
101	Genomic cloud computing: legal and ethical points to consider. <i>European Journal of Human Genetics</i> , <b>2015</b> , 23, 1271-8	5.3	62
100	dctyBase 2015: Expanding data and annotations in a new software environment. <i>Genesis</i> , <b>2015</b> , 53, 523-534	5.4	23
99	Data Safe Havens in health research and healthcare. <i>Bioinformatics</i> , <b>2015</b> , 31, 3241-8	7.2	41
98	Global implementation of genomic medicine: We are not alone. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 290ps13	17.5	112
97	A genome- and phenome-wide association study to identify genetic variants influencing platelet count and volume and their pleiotropic effects. <i>Human Genetics</i> , <b>2014</b> , 133, 95-109	6.3	104
96	Design and anticipated outcomes of the eMERGE-PGx project: a multicenter pilot for preemptive pharmacogenomics in electronic health record systems. <i>Clinical Pharmacology and Therapeutics</i> , <b>2014</b> , 96, 482-9	6.1	180
95	Characterizing genetic variants for clinical action. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , <b>2014</b> , 166C, 93-104	3.1	41
94	Admixture mapping and subsequent fine-mapping suggests a biologically relevant and novel association on chromosome 11 for type 2 diabetes in African Americans. <i>PLoS ONE</i> , <b>2014</b> , 9, e86931	3.7	11
93	Genetic variants associated with serum thyroid stimulating hormone (TSH) levels in European Americans and African Americans from the eMERGE Network. <i>PLoS ONE</i> , <b>2014</b> , 9, e111301	3.7	28
92	Phenome-wide association studies demonstrating pleiotropy of genetic variants within FTO with and without adjustment for body mass index. <i>Frontiers in Genetics</i> , <b>2014</b> , 5, 250	4.5	53

91	Replication of Associations with Electrocardio-graphic Traits in African Americans from Clinical and Epidemiologic Studies. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 2014, 939-951	0.9	2
90	The Electronic Medical Records and Genomics (eMERGE) Network: past, present, and future. <i>Genetics in Medicine</i> , <b>2013</b> , 15, 761-71	8.1	484
89	The opportunities and challenges of implementing genomics-informed personalized medicine. <i>Clinical Pharmacology and Therapeutics</i> , <b>2013</b> , 94, 181-2	6.1	4
88	Systematic comparison of phenome-wide association study of electronic medical record data and genome-wide association study data. <i>Nature Biotechnology</i> , <b>2013</b> , 31, 1102-10	44.5	555
87	Genome- and phenome-wide analyses of cardiac conduction identifies markers of arrhythmia risk. <i>Circulation</i> , <b>2013</b> , 127, 1377-85	16.7	133
86	Implementing genomic medicine in the clinic: the future is here. <i>Genetics in Medicine</i> , <b>2013</b> , 15, 258-67	8.1	385
85	One stop shop for everything Dictyostelium: dictyBase and the Dicty Stock Center in 2012. <i>Methods in Molecular Biology</i> , <b>2013</b> , 983, 59-92	1.4	91
84	A P3G generic access agreement for population genomic studies. <i>Nature Biotechnology</i> , <b>2013</b> , 31, 384-5	44.5	21
83	Generalization of variants identified by genome-wide association studies for electrocardiographic traits in African Americans. <i>Annals of Human Genetics</i> , <b>2013</b> , 77, 321-32	2.2	26
82	At the Interface between Medical Informatics and Personalized Medicine: The eMERGE Network Experience. <i>Healthcare Informatics Research</i> , <b>2013</b> , 19, 67-8	3	7
81	DictyBase 2013: integrating multiple Dictyostelid species. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, D676-83	20.1	77
80	Use of diverse electronic medical record systems to identify genetic risk for type 2 diabetes within a genome-wide association study. <i>Journal of the American Medical Informatics Association: JAMIA</i> , <b>2012</b> , 19, 212-8	8.6	216
79	Toward a roadmap in global biobanking for health. <i>European Journal of Human Genetics</i> , <b>2012</b> , 20, 1105-13	11	113
78	High density GWAS for LDL cholesterol in African Americans using electronic medical records reveals a strong protective variant in APOE. <i>Clinical and Translational Science</i> , <b>2012</b> , 5, 394-9	4.9	38
77	Comparative genomics of the social amoebae Dictyostelium discoideum and Dictyostelium purpureum. <i>Genome Biology</i> , <b>2011</b> , 12, R20	18.3	117
76	Uncovering a role for the tail of the Dictyostelium discoideum SadA protein in cell-substrate adhesion. <i>Eukaryotic Cell</i> , <b>2011</b> , 10, 662-71		3
75	Complement receptor 1 gene variants are associated with erythrocyte sedimentation rate. <i>American Journal of Human Genetics</i> , <b>2011</b> , 89, 131-8	11	51
74	Variants near FOXE1 are associated with hypothyroidism and other thyroid conditions: using electronic medical records for genome- and phenome-wide studies. <i>American Journal of Human Genetics</i> , <b>2011</b> , 89, 529-42	11	199

73	Spliceosomal genes in the <i>D. discoideum</i> genome: a comparison with those in <i>H. sapiens</i> , <i>D. melanogaster</i> , <i>A. thaliana</i> and <i>S. cerevisiae</i> . <i>Protein and Cell</i> , <b>2011</b> , 2, 395-409	7.2	7
72	The eMERGE Network: a consortium of biorepositories linked to electronic medical records data for conducting genomic studies. <i>BMC Medical Genomics</i> , <b>2011</b> , 4, 13	3.7	505
71	dictyBase update 2011: web 2.0 functionality and the initial steps towards a genome portal for the Amoebozoa. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, D620-4	20.1	36
70	Electronic medical records for genetic research: results of the eMERGE consortium. <i>Science Translational Medicine</i> , <b>2011</b> , 3, 79re1	17.5	258
69	Quality, quantity and harmony: the DataSHaPER approach to integrating data across bioclinical studies. <i>International Journal of Epidemiology</i> , <b>2010</b> , 39, 1383-93	7.8	117
68	Nonmuscle myosin IIA with a GFP fused to the N-terminus of the regulatory light chain is regulated normally. <i>Journal of Muscle Research and Cell Motility</i> , <b>2010</b> , 31, 163-70	3.5	19
67	The Gene Ontology <sup>™</sup> Reference Genome Project: a unified framework for functional annotation across species. <i>PLoS Computational Biology</i> , <b>2009</b> , 5, e1000431	5	134
66	dictyBase--a Dictyostelium bioinformatics resource update. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, D515-9	20.1	64
65	Collaborative annotation of genes and proteins between UniProtKB/Swiss-Prot and dictyBase. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2009</b> , 2009, bap016	5	9
64	Annotating the human genome with Disease Ontology. <i>BMC Genomics</i> , <b>2009</b> , 10 Suppl 1, S6	4.5	175
63	Assessing the understanding of biobank participants. <i>American Journal of Medical Genetics, Part A</i> , <b>2009</b> , 149A, 188-98	2.5	107
62	Prepublication data sharing. <i>Nature</i> , <b>2009</b> , 461, 168-70	50.4	197
61	An anatomy ontology to represent biological knowledge in Dictyostelium discoideum. <i>BMC Genomics</i> , <b>2008</b> , 9, 130	4.5	32
60	Protocols for growth and development of Dictyostelium discoideum. <i>Nature Protocols</i> , <b>2007</b> , 2, 1307-16	18.8	155
59	Transformation of Dictyostelium discoideum with plasmid DNA. <i>Nature Protocols</i> , <b>2007</b> , 2, 1317-24	18.8	87
58	A reliable general purpose method for extracting genomic DNA from Dictyostelium cells. <i>Nature Protocols</i> , <b>2007</b> , 2, 1325-8	18.8	16
57	A general purpose method for extracting RNA from Dictyostelium cells. <i>Nature Protocols</i> , <b>2007</b> , 2, 1329-38	18.8	9
56	Xanthusbase: adapting wikipedia principles to a model organism database. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, D422-6	20.1	10

55	The Gene Ontology (GO) project in 2006. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, D322-6	20.1	794
54	dictyBase, the model organism database for <i>Dictyostelium discoideum</i> . <i>Nucleic Acids Research</i> , <b>2006</b> , 34, D423-7	20.1	89
53	dictyBase and the Dicty Stock Center. <i>Methods in Molecular Biology</i> , <b>2006</b> , 346, 51-74	1.4	14
52	The genome of the social amoeba <i>Dictyostelium discoideum</i> . <i>Nature</i> , <b>2005</b> , 435, 43-57	50.4	1042
51	dictyBase: a new <i>Dictyostelium discoideum</i> genome database. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, D332-3	20.1	72
50	Simvastatin modulates angiotensin II signaling pathway by preventing Rac1-mediated upregulation of p27. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2004</b> , 15, 1711-20	12.7	27
49	Insights into morphogenesis from a simple developmental system. <i>Nature Reviews Molecular Cell Biology</i> , <b>2004</b> , 5, 531-41	48.7	135
48	SadA, a novel adhesion receptor in <i>Dictyostelium</i> . <i>Journal of Cell Biology</i> , <b>2002</b> , 159, 1109-19	7.3	91
47	A fluorescent resonant energy transfer-based biosensor reveals transient and regional myosin light chain kinase activation in lamella and cleavage furrows. <i>Journal of Cell Biology</i> , <b>2002</b> , 156, 543-53	7.3	102
46	Cytoplasmic dynein-associated structures move bidirectionally in vivo. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 1453-1460	5.3	80
45	Cytoplasmic dynein-associated structures move bidirectionally in vivo. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 1453-60	5.3	77
44	Phosphorylation of the myosin regulatory light chain plays a role in motility and polarity during <i>Dictyostelium</i> chemotaxis. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 1733-47	5.3	26
43	During multicellular migration, myosin ii serves a structural role independent of its motor function. <i>Developmental Biology</i> , <b>2001</b> , 232, 255-64	3.1	37
42	Molecular motors and membrane traffic in <i>Dictyostelium</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2001</b> , 1525, 234-44	4	12
41	Transrectal ultrasound assessment of murine aorta and iliac arteries. <i>Journal of Surgical Research</i> , <b>2000</b> , 88, 193-9	2.5	8
40	Interaction mapping of a dynein heavy chain. Identification of dimerization and intermediate-chain binding domains. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 15447-53	5.4	59
39	Dynein intermediate chain mediated dynein-dynactin interaction is required for interphase microtubule organization and centrosome replication and separation in <i>Dictyostelium</i> . <i>Journal of Cell Biology</i> , <b>1999</b> , 147, 1261-74	7.3	83
38	Expression of chicken gizzard RLC complements the cytokinesis and developmental defects of <i>Dictyostelium</i> RLC null cells. <i>Journal of Muscle Research and Cell Motility</i> , <b>1999</b> , 20, 177-86	3.5	2

37	Regulation of cytokinesis. <i>Cellular and Molecular Life Sciences</i> , <b>1999</b> , 55, 108-20	10.3	19
36	Substitution mutations in the myosin essential light chain lead to reduced actin-activated ATPase activity despite stoichiometric binding to the heavy chain. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 4522-7	5.4	25
35	Cytokinesis: a regulatory role for Ras-related proteins?. <i>Current Biology</i> , <b>1997</b> , 7, R648-50	6.3	6
34	Both the amino and carboxyl termini of Dictyostelium myosin essential light chain are required for binding to myosin heavy chain. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 27977-81	5.4	6
33	Targeted disruption of the Dictyostelium myosin essential light chain gene produces cells defective in cytokinesis and morphogenesis. <i>Journal of Cell Science</i> , <b>1995</b> , 108, 3207-3218	5.3	54
32	The contributions of light chains to myosin function. <i>Biophysical Journal</i> , <b>1995</b> , 68, 223S	2.9	
31	Targeted disruption of the Dictyostelium RMLC gene produces cells defective in cytokinesis and development. <i>Journal of Cell Biology</i> , <b>1994</b> , 127, 1933-44	7.3	80
30	Expression of a myosin regulatory light chain phosphorylation site mutant complements the cytokinesis and developmental defects of Dictyostelium RMLC null cells. <i>Journal of Cell Biology</i> , <b>1994</b> , 127, 1945-55	7.3	86
29	The Dictyostelium essential light chain is required for myosin function. <i>Cell</i> , <b>1992</b> , 69, 951-62	56.2	69
28	The role of myosin I and II in cell motility. <i>Cancer and Metastasis Reviews</i> , <b>1992</b> , 11, 79-91	9.6	20
27	Dictyostelium discoideum essential myosin light chain: gene structure and characterization. <i>Cytoskeleton</i> , <b>1991</b> , 20, 83-94		15
26	A pleiotropic defect in cAMP-regulated gene expression in the Dictyostelium agg- mutant synag 7. <i>Developmental Biology</i> , <b>1990</b> , 140, 225-8	3.1	1
25	Response: the myeloperoxidase gene in acute promyelocytic leukemia. <i>Science</i> , <b>1989</b> , 244, 825-6	33.3	4
24	Expression and organization of BP74, a cyclic AMP-regulated gene expressed during Dictyostelium discoideum development. <i>Molecular and Cellular Biology</i> , <b>1989</b> , 9, 4170-8	4.8	16
23	Dictyostelium discoideum myosin: isolation and characterization of cDNAs encoding the regulatory light chain. <i>Molecular and Cellular Biology</i> , <b>1989</b> , 9, 3073-80	4.8	25
22	Expression and organization of BP74, a cyclic AMP-regulated gene expressed during Dictyostelium discoideum development. <i>Molecular and Cellular Biology</i> , <b>1989</b> , 9, 4170-4178	4.8	7
21	The effect of caffeine, adenosine, and buffer ionic composition on the induction of cell-surface cAMP binding during starvation of Dictyostelium discoideum. <i>Genesis</i> , <b>1988</b> , 9, 293-301		11
20	A type III intermediate filament gene is expressed in mature neurons. <i>Neuron</i> , <b>1988</b> , 1, 395-401	13.9	88



19	Translocation and rearrangement of myeloperoxidase gene in acute promyelocytic leukemia. <i>Science</i> , <b>1988</b> , 240, 790-2	33.3	41
18	Dictyostelium discoideum myosin: isolation and characterization of cDNAs encoding the essential light chain. <i>Molecular and Cellular Biology</i> , <b>1988</b> , 8, 794-801	4.8	41
17	Isolation and sequence determination of a cDNA clone for rat peroxisomal urate oxidase: liver-specific expression in the rat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1988</b> , 85, 9081-5	11.5	37
16	Isolation of cDNAs encoding desmosomal plaque proteins: evidence that bovine desmoplakins I and II are derived from two mRNAs and a single gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1988</b> , 85, 2613-7	11.5	40
15	Isolation of developmentally regulated genes. <i>Methods in Cell Biology</i> , <b>1987</b> , 28, 461-70	1.8	3
14	cDNA cloning of human myeloperoxidase: decrease in myeloperoxidase mRNA upon induction of HL-60 cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1987</b> , 84, 2057-61	11.5	45
13	Superinduction of the Dictyostelium discoideum cell surface cAMP receptor by pulses of cAMP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1987</b> , 84, 1030-4	11.5	20
12	Homeoboxes: what do they do?. <i>Trends in Genetics</i> , <b>1986</b> , 2, 224-225	8.5	1
11	The two alpha-tubulin genes of Chlamydomonas reinhardi code for slightly different proteins. <i>Molecular and Cellular Biology</i> , <b>1985</b> , 5, 2389-98	4.8	180
10	Mechanism of sequential induction of cell-type specific mRNAs in Dictyostelium differentiation. <i>Nature</i> , <b>1984</b> , 310, 67-9	50.4	142
9	A repetitive Dictyostelium gene family that is induced during differentiation and by heat shock. <i>Cell</i> , <b>1983</b> , 34, 997-1005	56.2	40
8	Gene therapy in Drosophila. <i>Trends in Biochemical Sciences</i> , <b>1983</b> , 8, 191-193	10.3	1
7	Different mRNAs have different nuclear transit times in Dictyostelium discoideum aggregates. <i>Molecular and Cellular Biology</i> , <b>1983</b> , 3, 1511-7	4.8	11
6	Different mRNAs have different nuclear transit times in Dictyostelium discoideum aggregates. <i>Molecular and Cellular Biology</i> , <b>1983</b> , 3, 1511-1517	4.8	5
5	Methylation and developmental regulation of gene expression. <i>Trends in Biochemical Sciences</i> , <b>1982</b> , 7, 421	10.3	3
4	Gene amplification during development. <i>Trends in Biochemical Sciences</i> , <b>1982</b> , 7, 161-162	10.3	3
3	A physical gene map of the bacteriophage P22 late region: genetic analysis of cloned fragments of P22 DNA. <i>Virology</i> , <b>1980</b> , 102, 172-89	3.6	38
2	Intravenous gamma globulin in the management of patients with hypogammaglobulinemia. <i>Journal of Allergy and Clinical Immunology</i> , <b>1978</b> , 61, 378-83	11.5	5



- 1 The significance of varying SRBC/lymphocyte ratio in T cell rosette formation. *Journal of Immunology*, **1976**, 116, 1397-9 53 27