Tim Wiltshire

List of Publications by Year
in descending order

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		109321	71685
77	10,098	35	76
papers	citations	h-index	g-index

77	77	77	16547
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A gene atlas of the mouse and human protein-encoding transcriptomes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6062-6067.	7.1	3,290
2	Large-scale analysis of the human and mouse transcriptomes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4465-4470.	7.1	1,366
3	The Collaborative Cross, a community resource for the genetic analysis of complex traits. Nature Genetics, 2004, 36, 1133-1137.	21.4	1,034
4	Expression analysis of G Protein-Coupled Receptors in mouse macrophages. Immunome Research, 2008, 4, 5.	0.1	400
5	Mutations in the homeodomain of the human SIX3 gene cause holoprosencephaly. Nature Genetics, 1999, 22, 196-198.	21.4	398
6	Uncovering regulatory pathways that affect hematopoietic stem cell function using 'genetical genomics'. Nature Genetics, 2005, 37, 225-232.	21.4	366
7	c-Myb and p300 Regulate Hematopoietic Stem Cell Proliferation and Differentiation. Developmental Cell, 2005, 8, 153-166.	7.0	251
8	Genome-wide single-nucleotide polymorphism analysis defines haplotype patterns in mouse. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3380-3385.	7.1	222
9	Use of a Dense Single Nucleotide Polymorphism Map for In Silico Mapping in the Mouse. PLoS Biology, 2004, 2, e393.	5.6	210
10	Genetical Genomics: Spotlight on QTL Hotspots. PLoS Genetics, 2008, 4, e1000232.	3.5	172
11	A Forward Genetics Screen in Mice Identifies Recessive Deafness Traits and Reveals That Pejvakin Is Essential for Outer Hair Cell Function. Journal of Neuroscience, 2007, 27, 2163-2175.	3.6	159
12	Marked Interindividual Variability in the Response to Selective Inhibitors of Cyclooxygenase-2. Gastroenterology, 2006, 130, 55-64.	1.3	131
13	Mutations in LOXHD1, an Evolutionarily Conserved Stereociliary Protein, Disrupt Hair Cell Function in Mice and Cause Progressive Hearing Loss in Humans. American Journal of Human Genetics, 2009, 85, 328-337.	6.2	129
14	Induced Premature G2/M-Phase Transition in Pachytene Spermatocytes Includes Events Unique to Meiosis. Developmental Biology, 1995, 169, 557-567.	2.0	127
15	A Common and Unstable Copy Number Variant Is Associated with Differences in Glo1 Expression and Anxiety-Like Behavior. PLoS ONE, 2009, 4, e4649.	2.5	108
16	Gene Set Enrichment in eQTL Data Identifies Novel Annotations and Pathway Regulators. PLoS Genetics, 2008, 4, e1000070.	3.5	90
17	Utilization of a whole genome SNP panel for efficient genetic mapping in the mouse. Genome Research, 2006, 16, 436-440.	5.5	89
18	A mouse model for nonsyndromic deafness (DFNB12) links hearing loss to defects in tip links of mechanosensory hair cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5252-5257.	7.1	81

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19	Genetic Dissection of a Key Reproductive Barrier Between Nascent Species of House Mice. Genetics, 2011, 189, 289-304.	2.9	79
20	The NIEHS TaRGET II Consortium and environmental epigenomics. Nature Biotechnology, 2018, 36, 225-227.	17.5	79
21	The intramembrane protease Sppl2a is required for B cell and DC development and survival via cleavage of the invariant chain. Journal of Experimental Medicine, 2013, 210, 23-30.	8.5	78
22	Inositol (1,4,5) trisphosphate 3 kinase B controls positive selection of T cells and modulates Erk activity. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5604-5609.	7.1	74
23	Extensive recombination rate variation in the house mouse species complex inferred from genetic linkage maps. Genome Research, 2011, 21, 114-125.	5.5	73
24	Genomewide Association Analysis in Diverse Inbred Mice: Power and Population Structure. Genetics, 2007, 176, 675-683.	2.9	68
25	Usf1, a suppressor of the circadian Clock mutant, reveals the nature of the DNA-binding of the CLOCK:BMAL1 complex in mice. ELife, 2013, 2, e00426.	6.0	63
26	Genetic architecture of voluntary exercise in an advanced intercross line of mice. Physiological Genomics, 2010, 42, 190-200.	2.3	55
27	Precision Dosing: Public Health Need, Proposed Framework, and Anticipated Impact. Clinical and Translational Science, 2017, 10, 443-454.	3.1	55
28	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. Nature Immunology, 2019, 20, 1299-1310.	14.5	53
29	Comparative analysis of haplotype association mapping algorithms. BMC Bioinformatics, 2006, 7, 61.	2.6	52
30	Evaluating genetic markers and neurobiochemical analytes for fluoxetine response using a panel of mouse inbred strains. Psychopharmacology, 2012, 221, 297-315.	3.1	51
31	Candidate Risk Factors and Mechanisms for Tolvaptan-Induced Liver Injury Are Identified Using a Collaborative Cross Approach. Toxicological Sciences, 2017, 156, kfw269.	3.1	46
32	Use of Comparative Physical and Sequence Mapping to Annotate Mouse Chromosome 16 and Human Chromosome 21. Genomics, 2001, 74, 45-54.	2.9	40
33	A Novel Allele of Myosin VIIa Reveals a Critical Function for the C-Terminal FERM Domain for Melanosome Transport in Retinal Pigment Epithelial Cells. Journal of Neuroscience, 2009, 29, 15810-15818.	3.6	40
34	Quantitative Trait Loci That Determine BMD in C57BL/6J and 129S1/SvImJ Inbred Mice. Journal of Bone and Mineral Research, 2005, 21, 105-112.	2.8	39
35	Genome-wide linkage identifies novel modifier loci of aganglionosis in the Sox10Dom model of Hirschsprung disease. Human Molecular Genetics, 2005, 14, 1549-1558.	2.9	37
36	Transitioning Pharmacogenomics into the Clinical Setting: Training Future Pharmacists. Frontiers in Pharmacology, 2016, 7, 241.	3.5	36

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37	A mutant mouse with a highly specific contextual fear-conditioning deficit found in an N-ethyl-N-nitrosourea (ENU) mutagenesis screen. Learning and Memory, 2006, 13, 143-149.	1.3	33
38	The Modifier of hemostasis (Mh) locus on chromosome 4 controls in vivo hemostasis of Gp6âˆ'/âˆ' mice. Blood, 2008, 111, 1266-1273.	1.4	32
39	Carbonic Anhydrase-8 Regulates Inflammatory Pain by Inhibiting the ITPR1-Cytosolic Free Calcium Pathway. PLoS ONE, 2015, 10, e0118273.	2.5	30
40	Cost-Effectiveness of Multigene Pharmacogenetic Testing in Patients With Acute Coronary Syndrome After Percutaneous Coronary Intervention. Value in Health, 2020, 23, 61-73.	0.3	30
41	Quantitative trait locus and haplotype mapping in closely related inbred strains identifies a locus for open field behavior. Mammalian Genome, 2010, 21, 231-246.	2.2	24
42	Determinants of host susceptibility to murine respiratory syncytial virus (RSV) disease identify a role for the innate immunity scavenger receptor MARCO gene in human infants. EBioMedicine, 2016, 11, 73-84.	6.1	24
43	Genome Wide Analysis of Inbred Mouse Lines Identifies a Locus Containing Ppar-Î³ as Contributing to Enhanced Malaria Survival. PLoS ONE, 2010, 5, e10903.	2.5	22
44	Genomeâ€wide association mapping of acute lung injury in neonatal inbred mice. FASEB Journal, 2014, 28, 2538-2550.	0.5	20
45	Implementing Clinical Pharmacogenomics in the Classroom: Student Pharmacist Impressions of an Educational Intervention Including Personal Genotyping. Pharmacy (Basel, Switzerland), 2018, 6, 115.	1.6	18
46	Mst1 Directs Myosin IIa Partitioning of Low and Higher Affinity Integrins during T Cell Migration. PLoS ONE, 2014, 9, e105561.	2.5	16
47	Influence of Germline Genetics on Tacrolimus Pharmacokinetics and Pharmacodynamics in Allogeneic Hematopoietic Stem Cell Transplant Patients. International Journal of Molecular Sciences, 2020, 21, 858.	4.1	16
48	Physical and Comparative Mapping of Distal Mouse Chromosome 16. Genome Research, 1998, 8, 940-950.	5.5	15
49	Gulp1 is associated with the pharmacokinetics of PEGylated liposomal doxorubicin (PLD) in inbred mouse strains. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 2007-2017.	3.3	13
50	Projected impact of a multigene pharmacogenetic test to optimize medication prescribing in cardiovascular patients. Pharmacogenomics, 2018, 19, 771-782.	1.3	13
51	Integrative Analysis of Low- and High-Resolution eQTL. PLoS ONE, 2010, 5, e13920.	2.5	12
52	Physical Mapping of the Evolutionary Boundary between Human Chromosomes 21 and 22 on Mouse Chromosome 10. Genomics, 1998, 50, 109-111.	2.9	10
53	Immune cell-based screening assay for response to anticancer agents: applications in pharmacogenomics. Pharmacogenomics and Personalized Medicine, 2015, 8, 81.	0.7	10
54	High-resolution comparative physical mapping of mouse Chromosome 10 in the region of homology with human Chromosome 21. Mammalian Genome, 1999, 10, 229-234.	2.2	9

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55	Characterizing the pharmacogenome using molecular inversion probes for targeted next-generation sequencing. Pharmacogenomics, 2019, 20, 1005-1020.	1.3	9
56	In Vitro and In Vivo Mouse Models for Pharmacogenetic Studies. Methods in Molecular Biology, 2013, 1015, 263-278.	0.9	8
57	Molecular genetic mechanisms of allelic specific regulation of murine Comt expression. Pain, 2015, 156, 1965-1977.	4.2	8
58	Advancing precision medicine in healthcare: addressing implementation challenges to increase pharmacogenetic testing in the clinical setting. Physiological Genomics, 2017, 49, 346-354.	2.3	8
59	A High-Resolution Radiation Hybrid Map of the Proximal Portion of Mouse Chromosome 5. Genomics, 2000, 66, 55-64.	2.9	7
60	Car8 dorsal root ganglion expression and genetic regulation of analgesic responses are associated with a cis-eQTL in mice. Mammalian Genome, 2017, 28, 407-415.	2.2	7
61	Pharmacogenetic Analysis of the Modelâ€Based Pharmacokinetics of Five Antiâ€HIV Drugs: How Does This Influence the Effect of Aging?. Clinical and Translational Science, 2018, 11, 226-236.	3.1	7
62	Projected impact of pharmacogenomic testing on medications beyond antiplatelet therapy in percutaneous coronary intervention patients. Pharmacogenomics, 2020, 21, 431-441.	1.3	7
63	A genetic strategy for differential screening of meiotic germ-cell cDNA libraries. Molecular Reproduction and Development, 1996, 43, 403-413.	2.0	6
64	Human carbonic anhydrase-8 AAV8 gene therapy inhibits nerve growth factor signaling producing prolonged analgesia and anti-hyperalgesia in mice. Gene Therapy, 2018, 25, 297-311.	4.5	6
65	A Sequence-Ready BAC Contig of the GABA_A Receptor Gene Cluster Gabrg1â€“Gabra2â€“Gabrb1 on Mouse Chromosome 5. Genome Research, 1999, 9, 732-738.	5.5	6
66	A cellular genetics approach identifies gene-drug interactions and pinpoints drug toxicity pathway nodes. Frontiers in Genetics, 2014, 5, 272.	2.3	5
67	Clinical pharmacogenetics: how do we ensure a favorable future for patients?. Pharmacogenomics, 2018, 19, 553-562.	1.3	5
68	Identifying genes that mediate anthracyline toxicity in immune cells. Frontiers in Pharmacology, 2015, 6, 62.	3.5	4
69	Challenges and Solutions for Future Pharmacy Practice in the Era of Precision Medicine. American Journal of Pharmaceutical Education, 2018, 82, 6652.	2.1	4
70	Evaluation of the performance of a prior tacrolimus population pharmacokinetic kidney transplant model among adult allogeneic hematopoietic stem cell transplant patients. Clinical and Translational Science, 2021, 14, 908-918.	3.1	4
71	Modelâ€Based Prediction of Irinotecanâ€Induced Grade 4 Neutropenia in Advanced Cancer Patients: Influence of Demographic and Clinical Factors. Clinical Pharmacology and Therapeutics, 2022, 112, 316-326.	4.7	3
72	Insights and lessons learned from a prospective clinical pharmacology study in allogeneic hematopoietic stem cell transplant during the COVIDâ€19 pandemic. Clinical and Translational Science, 2022, 15, 583-587.	3.1	2

#	Article	IF	Citations
73	High-Resolution BAC-Based Map of the Central Portion of Mouse Chromosome 5. Genome Research, 2001, 11, 1746-1757.	5.5	1
74	Databases of free expression. Mammalian Genome, 2006, 17, 1141-1146.	2.2	1
75	Characterization of Highper, an ENU-induced mouse mutant with abnormal psychostimulant and stress responses. Psychopharmacology, 2013, 225, 407-419.	3.1	1
76	North Carolinaâ€™s multi-institutional pharmacogenomics efforts with the North Carolina Precision Health Collaborative. Pharmacogenomics, 2021, 22, 73-80.	1.3	1
77	The feasibility and potential of pharmacogenetics to reduce adverse drug events in nursing home residents. Journal of the American Geriatrics Society, 2022, 70, 1573-1578.	2.6	0