

Joseph H Nadeau

List of Publications by Year in descending order

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74
papers

7,435
citations

94381

37
h-index

82499

72
g-index

76
all docs

76
docs citations

76
times ranked

10629
citing authors

#	ARTICLE	IF	CITATIONS
1	Missing heritability and strategies for finding the underlying causes of complex disease. <i>Nature Reviews Genetics</i> , 2010, 11, 446-450.	7.7	1,511
2	Finding Genes That Underlie Complex Traits. <i>Science</i> , 2002, 298, 2345-2349.	6.0	762
3	Modifier genes in mice and humans. <i>Nature Reviews Genetics</i> , 2001, 2, 165-174.	7.7	525
4	Analysing complex genetic traits with chromosome substitution strains. <i>Nature Genetics</i> , 2000, 24, 221-225.	9.4	424
5	The Ter mutation in the dead end gene causes germ cell loss and testicular germ cell tumours. <i>Nature</i> , 2005, 435, 360-364.	13.7	330
6	Genetic Dissection of Complex Traits with Chromosome Substitution Strains of Mice. <i>Science</i> , 2004, 304, 445-448.	6.0	328
7	Genetic architecture of complex traits: Large phenotypic effects and pervasive epistasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19910-19914.	3.3	254
8	Comparable Rates of Gene Loss and Functional Divergence After Genome Duplications Early in Vertebrate Evolution. <i>Genetics</i> , 1997, 147, 1259-1266.	1.2	205
9	Genomic organization and embryonic expression of the mouse fibroblast growth factor 9 gene. <i>Developmental Dynamics</i> , 1999, 216, 72-88.	0.8	203
10	The roads from phenotypic variation to gene discovery: mutagenesis versus QTLs. <i>Nature Genetics</i> , 2000, 25, 381-384.	9.4	202
11	Genealogy of the 129 inbred strains: 129/SvJ is a contaminated inbred strain. <i>Mammalian Genome</i> , 1997, 8, 390-393.	1.0	201
12	Diet-induced hepatocellular carcinoma in genetically predisposed mice. <i>Human Molecular Genetics</i> , 2009, 18, 2975-2988.	1.4	142
13	IL-33 activates tumor stroma to promote intestinal polyposis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2487-96.	3.3	141
14	Transgenerational genetic effects on phenotypic variation and disease risk. <i>Human Molecular Genetics</i> , 2009, 18, R202-R210.	1.4	119
15	From Peas to Disease: Modifier Genes, Network Resilience, and the Genetics of Health. <i>American Journal of Human Genetics</i> , 2017, 101, 177-191.	2.6	108
16	Susceptibility to testicular germ-cell tumours in a 129.MOLF-Chr 19 chromosome substitution strain. <i>Nature Genetics</i> , 1999, 23, 237-240.	9.4	99
17	Modifier genes and protective alleles in humans and mice. <i>Current Opinion in Genetics and Development</i> , 2003, 13, 290-295.	1.5	99
18	Bone Brittleness Varies with Genetic Background in A/J and C57BL/6J Inbred Mice. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1854-1862.	3.1	96

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19	Genome-wide identification and functional analysis of Apobec-1-mediated C-to-U RNA editing in mouse small intestine and liver. <i>Genome Biology</i> , 2014, 15, R79.	13.9	87
20	Implementing Large-Scale ENU Mutagenesis Screens in North America. <i>Genetica</i> , 2004, 122, 51-64.	0.5	81
21	Loss of the Transmembrane but not the Soluble Kit Ligand Isoform Increases Testicular Germ Cell Tumor Susceptibility in Mice. <i>Cancer Research</i> , 2008, 68, 5193-5197.	0.4	73
22	BAX-mediated cell death affects early germ cell loss and incidence of testicular teratomas in Dnd1 mice. <i>Developmental Biology</i> , 2009, 328, 377-383.	0.9	69
23	Pleiotropy, Homeostasis, and Functional Networks Based on Assays of Cardiovascular Traits in Genetically Randomized Populations. <i>Genome Research</i> , 2003, 13, 2082-2091.	2.4	67
24	Ancestral paternal genotype controls body weight and food intake for multiple generations. <i>Human Molecular Genetics</i> , 2010, 19, 4134-4144.	1.4	67
25	Epistatic Control of Non-Mendelian Inheritance in Mouse Interspecific Crosses. <i>Genetics</i> , 1996, 143, 1739-1752.	1.2	59
26	Contrasting genetic architectures in different mouse reference populations used for studying complex traits. <i>Genome Research</i> , 2015, 25, 775-791.	2.4	56
27	Germ cell pluripotency, premature differentiation and susceptibility to testicular teratomas in mice. <i>Development (Cambridge)</i> , 2012, 139, 1577-1586.	1.2	52
28	The lengths of undiscovered conserved segments in comparative maps. <i>Mammalian Genome</i> , 1998, 9, 491-495.	1.0	51
29	Deep congenic analysis identifies many strong, context-dependent QTLs, one of which, <i>Slc35b4</i> , regulates obesity and glucose homeostasis. <i>Genome Research</i> , 2011, 21, 1065-1073.	2.4	51
30	The Genetics of Epigenetic Inheritance: Modes, Molecules, and Mechanisms. <i>Quarterly Review of Biology</i> , 2015, 90, 381-415.	0.0	51
31	Transgenerational epigenetic effects of the <i>Apobec1</i> cytidine deaminase deficiency on testicular germ cell tumor susceptibility and embryonic viability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2766-73.	3.3	50
32	The genetics of health. <i>Nature Genetics</i> , 2006, 38, 1095-1098.	9.4	48
33	Testicular cancer susceptibility in the 129.MOLF-Chr19 mouse strain: additive effects, gene interactions and epigenetic modifications. <i>Human Molecular Genetics</i> , 2003, 12, 389-398.	1.4	46
34	Analyzing complex traits with congenic strains. <i>Mammalian Genome</i> , 2010, 21, 276-286.	1.0	45
35	Trans-generational epistasis between Dnd1Ter and other modifier genes controls susceptibility to testicular germ cell tumors. <i>Human Molecular Genetics</i> , 2007, 16, 2233-2240.	1.4	44
36	The virtuous cycle of human genetics and mouse models in drug discovery. <i>Nature Reviews Drug Discovery</i> , 2019, 18, 255-272.	21.5	44

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37	Deletion of eIF2beta suppresses testicular cancer incidence and causes recessive lethality in agouti-yellow mice. <i>Human Molecular Genetics</i> , 2009, 18, 1395-1404.	1.4	41
38	Functional interactions between the LRP6 WNT co-receptor and folate supplementation. <i>Human Molecular Genetics</i> , 2010, 19, 4560-4572.	1.4	41
39	Maternal Nutrition Induces Pervasive Gene Expression Changes but No Detectable DNA Methylation Differences in the Liver of Adult Offspring. <i>PLoS ONE</i> , 2014, 9, e90335.	1.1	40
40	High-Fat Diet-Induced Complement Activation Mediates Intestinal Inflammation and Neoplasia, Independent of Obesity. <i>Molecular Cancer Research</i> , 2016, 14, 953-965.	1.5	38
41	129/Sv mice—a model system for studying germ cell biology and testicular cancer. <i>Mammalian Genome</i> , 2001, 12, 89-94.	1.0	36
42	Disorganization in mice and humans. <i>American Journal of Medical Genetics Part A</i> , 2001, 101, 334-338.	2.4	34
43	The juxtapanodal proteins CNTNAP2 and TAG1 regulate diet-induced obesity. <i>Mammalian Genome</i> , 2012, 23, 431-442.	1.0	33
44	Genetic divergence and the genetic architecture of complex traits in chromosome substitution strains of mice. <i>BMC Genetics</i> , 2012, 13, 38.	2.7	32
45	Genetic resistance to diet-induced obesity in chromosome substitution strains of mice. <i>Mammalian Genome</i> , 2010, 21, 115-129.	1.0	31
46	Landmarks in the Rosetta Stone of mammalian comparative maps. <i>Nature Genetics</i> , 1997, 15, 6-7.	9.4	29
47	Expression-based assay of an X-linked gene to examine effects of the X-controlling element (Xce) locus. <i>Mammalian Genome</i> , 2000, 11, 405-408.	1.0	28
48	Testicular teratocarcinogenesis in mice — a review. <i>Apmis</i> , 1998, 106, 174-182.	0.9	24
49	Do Gametes Woo? Evidence for Their Nonrandom Union at Fertilization. <i>Genetics</i> , 2017, 207, 369-387.	1.2	23
50	Contrasting effects of Deadend1 (Dnd1) gain and loss of function mutations on allelic inheritance, testicular cancer, and intestinal polyposis. <i>BMC Genetics</i> , 2013, 14, 54.	2.7	21
51	Muta-genetics or muta-genomics: the feasibility of large-scale mutagenesis and phenotyping programs. <i>Mammalian Genome</i> , 2000, 11, 603-607.	1.0	20
52	Testicular Germ Cell Tumors in Mice. <i>Methods in Molecular Biology</i> , 2008, 450, 211-231.	0.4	19
53	SSLPs to map genetic differences between the 129 inbred strains and closed-colony, random-bred CD-1 mice. <i>Mammalian Genome</i> , 1997, 8, 441-442.	1.0	18
54	Parallel changes in metabolite and expression profiles in crooked-tail mutant and folate-reduced wild-type mice. <i>Human Molecular Genetics</i> , 2006, 15, 3387-3393.	1.4	18

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55	Parent-of-origin effects of A1CF and AGO2 on testicular germ-cell tumors, testicular abnormalities, and fertilization bias. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5425-33.	3.3	18
56	Does dietary folic acid supplementation in mouse NTD models affect neural tube development or gamete preference at fertilization?. BMC Genetics, 2014, 15, 91.	2.7	14
57	The nature of evidence for and against epigenetic inheritance. Genome Biology, 2015, 16, 137.	13.9	14
58	Genetic determinants of atherosclerosis, obesity, and energy balance in consomic mice. Mammalian Genome, 2014, 25, 549-563.	1.0	11
59	GENETICS: Modifying the Message. Science, 2003, 301, 927-928.	6.0	10
60	Simple sequence length polymorphisms (SSLPs) that distinguish MOLF/Ei and 129/Sv inbred strains of laboratory mice. Mammalian Genome, 1998, 9, 668-670.	1.0	9
61	Mouse chromosome 14. Mammalian Genome, 1997, 7, S238-S250.	1.0	8
62	Genomic organization and embryonic expression of the mouse fibroblast growth factor 9 gene. Developmental Dynamics, 1999, 216, 72-88.	0.8	7
63	Turn Up the Heat: Circulating Serotonin Tunes Our Internal Heating System. Cell Metabolism, 2015, 21, 156-158.	7.2	6
64	Systems Biology and Medicine: A New Take on an Old Paradigm. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2009, 1, 1-3.	6.6	5
65	The mouse neuronal apoptosis inhibitory protein gene maps to a conserved syntenic region of mouse chromosome 13. Mammalian Genome, 1997, 8, 222-222.	1.0	4
66	Long CAG/CTG repeats in mice. Mammalian Genome, 1998, 9, 392-393.	1.0	2
67	Systems medicine—viewed through the real and computing lenses. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 383-384.	6.6	2
68	Systems biology—old wine in a new bottle or is the bottle changing the wine?. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 1-2.	6.6	2
69	Quantitative trait locus mapping identifies a locus linked to striatal dopamine and points to collagen $\alpha 6$ chain as a novel regulator of striatal axonal branching in mice. Genes, Brain and Behavior, 2021, 20, e12769.	1.1	2
70	Mouse chromosome 14. Mammalian Genome, 1998, 8, S275-S291.	1.0	1
71	Rattus norvegicus and the Industrial Revolution. Nature Genetics, 1999, 22, 3-4.	9.4	1
72	Genetic Modifiers of Oral Nicotine Consumption in Chrna5 Null Mutant Mice. Frontiers in Psychiatry, 2021, 12, 773400.	1.3	1

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73	Systems Biology and Medicineâ€™Metaâ€™Issues and Frameworks. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, i-ii.	6.6	0
74	Systems Biology and Medicineâ€™Metazoan Life and Processes. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 253-254.	6.6	0