Paul E Hasty

List of Publications by Citations

Source: https://exaly.com/author-pdf/8639168/paul-e-hasty-publications-by-citations.pdf
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88 papers	5,835 citations	32 h-index	76 g-index
90 ext. papers	6,306 ext. citations	9.9 avg, IF	5.19 L-index

#	Paper	IF	Citations
88	Muscle deficiency and neonatal death in mice with a targeted mutation in the myogenin gene. *Nature*, **1993**, 364, 501-6	50.4	1046
87	Embryonic lethality and radiation hypersensitivity mediated by Rad51 in mice lacking Brca2. *Nature*, **1997**, 386, 804-10	50.4	872
86	Aging and genome maintenance: lessons from the mouse?. *Science*, **2003**, 299, 1355-9	33.3	487
85	Ku86-deficient mice exhibit severe combined immunodeficiency and defective processing of V(D)J recombination intermediates. *Cell*, **1996**, 86, 379-89	56.2	384
84	Introduction of a subtle mutation into the Hox-2.6 locus in embryonic stem cells. *Nature*, **1991**, 350, 243-6	50.4	327
83	ERCC1-XPF endonuclease facilitates DNA double-strand break repair. *Molecular and Cellular Biology* , **2008**, 28, 5082-92	4.8	235
82	Analysis of ku80-mutant mice and cells with deficient levels of p53. *Molecular and Cellular Biology*, **2000**, 20, 3772-80	4.8	152
81	Ku is a 5PdRP/AP lyase that excises nucleotide damage near broken ends. *Nature*, **2010**, 464, 1214-7	50.4	146
80	Targeted mutation in beta1,4-galactosyltransferase leads to pituitary insufficiency and neonatal lethality. *Developmental Biology*, **1997**, 181, 257-67	3.1	145
79	Deletion of Ku70, Ku80, or both causes early aging without substantially increased cancer. *Molecular and Cellular Biology*, **2007**, 27, 8205-14	4.8	113
78	A severe phenotype in mice with a duplication of exon 3 in the cystic fibrosis locus. *Human Molecular Genetics*, **1993**, 2, 1561-9	5.6	106
77	Deletion of Brca2 exon 27 causes hypersensitivity to DNA crosslinks, chromosomal instability, and reduced life span in mice. *Genes Chromosomes and Cancer*, **2003**, 36, 317-31	5	77
76	Chronic mTOR inhibition in mice with rapamycin alters T, B, myeloid, and innate lymphoid cells and gut flora and prolongs life of immune-deficient mice. *Aging Cell*, **2015**, 14, 945-56	9.9	69
75	Limiting the persistence of a chromosome break diminishes its mutagenic potential. *PLoS Genetics*, **2009**, 5, e1000683	6	66
74	DNA double-strand breaks: a potential causative factor for mammalian aging?. *Mechanisms of Ageing and Development*, **2008**, 129, 416-24	5.6	66
73	Rapamycin extends life span of Rb1+/- mice by inhibiting neuroendocrine tumors. *Aging*, **2013**, 5, 100-10	5.6	66
72	Accelerating aging by mouse reverse genetics: a rational approach to understanding longevity. *Aging Cell*, **2004**, 3, 55-65	9.9	64

71	mTORC1 and p53: clash of the gods?. *Cell Cycle*, **2013**, 12, 20-5	4.7	63
70	Broad segmental progeroid changes in short-lived Ercc1(-/Δ) mice. *Pathobiology of Aging & Age Related Diseases*, **2011**, 1,	1.3	60
69	Modifying the mouse: design and desire. *Nature Biotechnology*, **1992**, 10, 534-9	44.5	56
68	Correction of chromosomal mutation and random integration in embryonic stem cells with helper-dependent adenoviral vectors. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 13628-33	11.5	53
67	eRapa restores a normal life span in a FAP mouse model. *Cancer Prevention Research*, **2014**, 7, 169-78	3.2	51
66	Adaptive stress response in segmental progeria resembles long-lived dwarfism and calorie restriction in mice. *PLoS Genetics*, **2006**, 2, e192	6	48
65	DNA damage in normally and prematurely aged mice. *Aging Cell*, **2013**, 12, 467-77	9.9	41
64	Aging. Genomic priorities in aging. *Science*, **2002**, 296, 1250-1	33.3	40
63	Chromosomal Rearrangements in Cancer: Detection and potential causal mechanisms. *Molecular and Cellular Oncology*, **2014**, 1,	1.2	39
62	p53 as an intervention target for cancer and aging. *Pathobiology of Aging & Age Related Diseases*, **2013**, 3,	1.3	39
61	Mouse cofactor of BRCA1 (Cobra1) is required for early embryogenesis. *PLoS ONE*, **2009**, 4, e5034	3.7	38
60	RAD51 mutants cause replication defects and chromosomal instability. *Molecular and Cellular Biology*, **2012**, 32, 3663-80	4.8	37
59	Severe phenotype in mice with termination mutation in exon 2 of cystic fibrosis gene. *Somatic Cell and Molecular Genetics*, **1995**, 21, 177-87		36
58	Non-homologous end joining, but not homologous recombination, enables survival for cells exposed to a histone deacetylase inhibitor. *Nucleic Acids Research*, **2005**, 33, 5320-30	20.1	35
57	Two replication fork maintenance pathways fuse inverted repeats to rearrange chromosomes. *Nature*, **2013**, 501, 569-72	50.4	34
56	DNA-PK suppresses a p53-independent apoptotic response to DNA damage. *EMBO Reports*, **2009**, 10, 87-93	6.5	31
55	Gene targeting in mouse embryonic stem cells with an adenoviral vector. *Somatic Cell and Molecular Genetics*, **1995**, 21, 221-31		30
54	Biochemical and cellular characteristics of the 3P-> 5Pexonuclease TREX2. *Nucleic Acids Research*, **2007**, 35, 2682-94	20.1	29

53	Myelodysplastic syndrome: an inability to appropriately respond to damaged DNA?. *Experimental Hematology*, **2013**, 41, 665-74	3.1	28
52	The impact of DNA damage, genetic mutation and cellular responses on cancer prevention, longevity and aging: observations in humans and mice. *Mechanisms of Ageing and Development*, **2005**, 126, 71-7	5.6	28
51	RECQL5 and BLM exhibit divergent functions in cells defective for the Fanconi anemia pathway. *Nucleic Acids Research*, **2015**, 43, 893-903	20.1	25
50	Disruption of the G(i2) alpha locus in embryonic stem cells and mice: a modified hit and run strategy with detection by a PCR dependent on gap repair. *Transgenic Research*, **1993**, 2, 345-55	3.3	25
49	p53 and rapamycin are additive. *Oncotarget*, **2015**, 6, 15802-13	3.3	24
48	The impact energy metabolism and genome maintenance have on longevity and senescence: lessons from yeast to mammals. *Mechanisms of Ageing and Development*, **2001**, 122, 1651-62	5.6	23
47	Embryonic stem cells deficient for Brca2 or Blm exhibit divergent genotoxic profiles that support opposing activities during homologous recombination. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2006**, 602, 110-20	3.3	22
46	Deficiency in the DNA repair protein ERCC1 triggers a link between senescence and apoptosis in human fibroblasts and mouse skin. *Aging Cell*, **2020**, 19, e13072	9.9	22
45	Ku80 deletion suppresses spontaneous tumors and induces a p53-mediated DNA damage response. *Cancer Research*, **2008**, 68, 9497-502	10.1	21
44	Extended longevity mechanisms in short-lived progeroid mice: identification of a preservative stress response associated with successful aging. *Mechanisms of Ageing and Development*, **2007**, 128, 58-63	5.6	21
43	A genotoxic screen: rapid analysis of cellular dose-response to a wide range of agents that either damage DNA or alter genome maintenance pathways. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2004**, 554, 253-66	3.3	21
42	Deletion of BRCA2 exon 27 causes defects in response to both stalled and collapsed replication forks. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2014**, 766-767, 66-72	3.3	19
41	Deletion of Ku80 causes early aging independent of chronic inflammation and Rag-1-induced DSBs. *Mechanisms of Ageing and Development*, **2007**, 128, 601-8	5.6	19
40	Is NHEJ a tumor suppressor or an aging suppressor?. *Cell Cycle*, **2008**, 7, 1139-45	4.7	18
39	Potential relationship between inadequate response to DNA damage and development of myelodysplastic syndrome. *International Journal of Molecular Sciences*, **2015**, 16, 966-89	6.3	17
38	Prevention of carcinogen and inflammation-induced dermal cancer by oral rapamycin includes reducing genetic damage. *Cancer Prevention Research*, **2015**, 8, 400-9	3.2	17
37	Deletion of individual Ku subunits in mice causes an NHEJ-independent phenotype potentially by altering apurinic/apyrimidinic site repair. *PLoS ONE*, **2014**, 9, e86358	3.7	17
36	Cisplatin depletes TREX2 and causes Robertsonian translocations as seen in TREX2 knockout cells. *Cancer Research*, **2007**, 67, 9077-83	10.1	16

35	Aging and p53: getting it straight. A commentary on a recent paper by Gentry and Venkatachalam. *Aging Cell*, **2005**, 4, 331-3	9.9	16
34	Rapamycin: the cure for all that ails. *Journal of Molecular Cell Biology*, **2010**, 2, 17-9	6.3	15
33	Rebuttal to Miller: PAccelerated agingP: a primrose path to insight?P. *Aging Cell*, **2004**, 3, 67-9	9.9	15
32	Temporal, spatial and tissue-specific expression of a myogenin-lacZ transgene targeted to the Hprt locus in mice. *BioTechniques*, **1999**, 27, 154-62	2.5	15
31	A mechanism for 1,4-Benzoquinone-induced genotoxicity. *Oncotarget*, **2016**, 7, 46433-46447	3.3	15
30	Ku80-deleted cells are defective at base excision repair. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2013**, 745-746, 16-25	3.3	13
29	Effect of Ku80 deficiency on mutation frequencies and spectra at a LacZ reporter locus in mouse tissues and cells. *PLoS ONE*, **2008**, 3, e3458	3.7	13
28	Gene conversion during vector insertion in embryonic stem cells. *Nucleic Acids Research*, **1995**, 23, 2058-64	20.1	13
27	The phenotype of FancB-mutant mouse embryonic stem cells. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2011**, 712, 20-7	3.3	12
26	TREX2 exonuclease defective cells exhibit double-strand breaks and chromosomal fragments but not Robertsonian translocations. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2009**, 662, 84-7	3.3	12
25	Trex2 enables spontaneous sister chromatid exchanges without facilitating DNA double-strand break repair. *Genetics*, **2011**, 188, 787-97	4	12
24	Adaptations to chronic rapamycin in mice. *Pathobiology of Aging & Age Related Diseases*, **2016**, 6, 31688	1.3	11
23	HPRT minigene generates chimeric transcripts as a by-product of gene targeting. *Genesis*, **2007**, 45, 275-81	2.9	11
22	Acarbose improved survival for Apc mice. *Aging Cell*, **2020**, 19, e13088	9.9	10
21	Rapamycin Extends Life Span in Apc Colon Cancer FAP Model. *Clinical Colorectal Cancer*, **2021**, 20, e61-e70	3.8	10
20	The progeroid phenotype of Ku80 deficiency is dominant over DNA-PKCS deficiency. *PLoS ONE*, **2014**, 9, e93568	3.7	9
19	Genetic manipulation of the mouse via gene targeting in embryonic stem cells. *Novartis Foundation Symposium*, **1992**, 165, 256-69; discussion 269-76		9
18	Distinct roles of XPF-ERCC1 and Rad1-Rad10-Saw1 in replication-coupled and uncoupled inter-strand crosslink repair. *Nature Communications*, **2018**, 9, 2025	17.4	8

17	High-throughput knock-in coupling gene targeting with the HPRT minigene and Cre-mediated recombination. *Genesis*, **2008**, 46, 732-7	1.9	7
16	Targeting of the Gi2 alpha gene in ES cells with replacement and insertion vectors. *Journal of Receptors and Signal Transduction*, **1993**, 13, 619-37		7
15	Do p53 stress responses impact organismal aging?. *Translational Cancer Research*, **2016**, 5, 685-691	0.3	6
14	Persistent NF-B activation in muscle stem cells induces proliferation-independent telomere shortening. *Cell Reports*, **2021**, 35, 109098	10.6	6
13	Homologous recombination defects and how they affect replication fork maintenance. *AIMS Genetics*, **2018**, 5, 192-211	2.1	5
12	High preservation of CpG cytosine methylation patterns at imprinted gene loci in liver and brain of aged mice. *PLoS ONE*, **2013**, 8, e73496	3.7	3
11	Defining a genotoxic profile with mouse embryonic stem cells. *Experimental Biology and Medicine*, **2013**, 238, 285-93	3.7	2
10	Mouse Models of Accelerated Aging **2006**, 601-618		2
9	Sex-dependent lifespan extension of FAP mice by chronic mTOR inhibition. *Aging Pathobiology and Therapeutics*, **2020**, 2, 187-194	2.4	2
8	TREX2 Exonuclease Causes Spontaneous Mutations and Stress-Induced Replication Fork Defects in Cells Expressing RAD51. *Cell Reports*, **2020**, 33, 108543	10.6	2
7	Musashi1 Contribution to Glioblastoma Development via Regulation of a Network of DNA Replication, Cell Cycle and Division Genes. *Cancers*, **2021**, 13,	6.6	2
6	One-step knockin for inducible expression in mouse embryonic stem cells. *Genesis*, **2011**, 49, 92-7	1.9	1
5	Unlike p53, p27 failed to exhibit an anti-tumor genetic interaction with Ku80. *Cell Cycle*, **2009**, 8, 2463-6	4.7	1
4	Trex2 responds to damaged replication forks in diverse ways. *Molecular and Cellular Oncology*, **2021**, 8, 1881394	1.2	1
3	mTOR, Aging, and Cancer: A Dangerous Link **2016**, 277-292		0
2	High-throughput inducible expression of transgenes at the Hprt gene in mouse embryonic stem cells. *BioTechniques*, **2003**, 34, 462-4, 466, 468	2.5	
1	Longevity Assurance by Genome Maintenance **2013**, 25-62		