

Paul E Hasty

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8639168/paul-e-hasty-publications-by-year.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	Musashi1 Contribution to Glioblastoma Development via Regulation of a Network of DNA Replication, Cell Cycle and Division Genes. <i>Cancers</i> , 2021 , 13,	6.6	2
87	Persistent NF- κ B activation in muscle stem cells induces proliferation-independent telomere shortening. <i>Cell Reports</i> , 2021 , 35, 109098	10.6	6
86	Rapamycin Extends Life Span in Apc Colon Cancer FAP Model. <i>Clinical Colorectal Cancer</i> , 2021 , 20, e61-e70	3.8	10
85	Trex2 responds to damaged replication forks in diverse ways. <i>Molecular and Cellular Oncology</i> , 2021 , 8, 1881394	1.2	1
84	Sex-dependent lifespan extension of FAP mice by chronic mTOR inhibition. <i>Aging Pathobiology and Therapeutics</i> , 2020 , 2, 187-194	2.4	2
83	TREX2 Exonuclease Causes Spontaneous Mutations and Stress-Induced Replication Fork Defects in Cells Expressing RAD51. <i>Cell Reports</i> , 2020 , 33, 108543	10.6	2
82	Acarbose improved survival for Apc mice. <i>Aging Cell</i> , 2020 , 19, e13088	9.9	10
81	Deficiency in the DNA repair protein ERCC1 triggers a link between senescence and apoptosis in human fibroblasts and mouse skin. <i>Aging Cell</i> , 2020 , 19, e13072	9.9	22
80	Homologous recombination defects and how they affect replication fork maintenance. <i>AIMS Genetics</i> , 2018 , 5, 192-211	2.1	5
79	Distinct roles of XPF-ERCC1 and Rad1-Rad10-Saw1 in replication-coupled and uncoupled inter-strand crosslink repair. <i>Nature Communications</i> , 2018 , 9, 2025	17.4	8
78	Adaptations to chronic rapamycin in mice. <i>Pathobiology of Aging & Age Related Diseases</i> , 2016 , 6, 31688	1.3	11
77	mTOR, Aging, and Cancer: A Dangerous Link 2016 , 277-292		0
76	Do p53 stress responses impact organismal aging?. <i>Translational Cancer Research</i> , 2016 , 5, 685-691	0.3	6
75	A mechanism for 1,4-Benzoquinone-induced genotoxicity. <i>Oncotarget</i> , 2016 , 7, 46433-46447	3.3	15
74	Potential relationship between inadequate response to DNA damage and development of myelodysplastic syndrome. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 966-89	6.3	17
73	Prevention of carcinogen and inflammation-induced dermal cancer by oral rapamycin includes reducing genetic damage. <i>Cancer Prevention Research</i> , 2015 , 8, 400-9	3.2	17
72	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. <i>Aging Cell</i> , 2015 , 14, 945-56	9.9	69

71	RECQL5 and BLM exhibit divergent functions in cells defective for the Fanconi anemia pathway. <i>Nucleic Acids Research</i> , 2015 , 43, 893-903	20.1	25
70	p53 and rapamycin are additive. <i>Oncotarget</i> , 2015 , 6, 15802-13	3.3	24
69	Deletion of individual Ku subunits in mice causes an NHEJ-independent phenotype potentially by altering apurinic/apyrimidinic site repair. <i>PLoS ONE</i> , 2014 , 9, e86358	3.7	17
68	The progeroid phenotype of Ku80 deficiency is dominant over DNA-PKCS deficiency. <i>PLoS ONE</i> , 2014 , 9, e93568	3.7	9
67	Deletion of BRCA2 exon 27 causes defects in response to both stalled and collapsed replication forks. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014 , 766-767, 66-72	3.3	19
66	eRapa restores a normal life span in a FAP mouse model. <i>Cancer Prevention Research</i> , 2014 , 7, 169-78	3.2	51
65	Chromosomal Rearrangements in Cancer: Detection and potential causal mechanisms. <i>Molecular and Cellular Oncology</i> , 2014 , 1,	1.2	39
64	Two replication fork maintenance pathways fuse inverted repeats to rearrange chromosomes. <i>Nature</i> , 2013 , 501, 569-72	50.4	34
63	Defining a genotoxic profile with mouse embryonic stem cells. <i>Experimental Biology and Medicine</i> , 2013 , 238, 285-93	3.7	2
62	Ku80-deleted cells are defective at base excision repair. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2013 , 745-746, 16-25	3.3	13
61	mTORC1 and p53: clash of the gods?. <i>Cell Cycle</i> , 2013 , 12, 20-5	4.7	63
60	DNA damage in normally and prematurely aged mice. <i>Aging Cell</i> , 2013 , 12, 467-77	9.9	41
59	Myelodysplastic syndrome: an inability to appropriately respond to damaged DNA?. <i>Experimental Hematology</i> , 2013 , 41, 665-74	3.1	28
58	p53 as an intervention target for cancer and aging. <i>Pathobiology of Aging & Age Related Diseases</i> , 2013 , 3,	1.3	39
57	High preservation of CpG cytosine methylation patterns at imprinted gene loci in liver and brain of aged mice. <i>PLoS ONE</i> , 2013 , 8, e73496	3.7	3
56	Rapamycin extends life span of Rb1+/- mice by inhibiting neuroendocrine tumors. <i>Aging</i> , 2013 , 5, 100-105	5.6	66
55	Longevity Assurance by Genome Maintenance 2013 , 25-62		
54	RAD51 mutants cause replication defects and chromosomal instability. <i>Molecular and Cellular Biology</i> , 2012 , 32, 3663-80	4.8	37

53	Broad segmental progeroid changes in short-lived <i>Ercc1(-/Δ)</i> mice. <i>Pathobiology of Aging & Age Related Diseases</i> , 2011 , 1,	1.3	60
52	The phenotype of <i>FancB</i> -mutant mouse embryonic stem cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011 , 712, 20-7	3.3	12
51	One-step knockin for inducible expression in mouse embryonic stem cells. <i>Genesis</i> , 2011 , 49, 92-7	1.9	1
50	Trex2 enables spontaneous sister chromatid exchanges without facilitating DNA double-strand break repair. <i>Genetics</i> , 2011 , 188, 787-97	4	12
49	Ku is a 5PdRP/AP lyase that excises nucleotide damage near broken ends. <i>Nature</i> , 2010 , 464, 1214-7	50.4	146
48	Rapamycin: the cure for all that ails. <i>Journal of Molecular Cell Biology</i> , 2010 , 2, 17-9	6.3	15
47	Mouse cofactor of BRCA1 (Cobra1) is required for early embryogenesis. <i>PLoS ONE</i> , 2009 , 4, e5034	3.7	38
46	Unlike p53, p27 failed to exhibit an anti-tumor genetic interaction with Ku80. <i>Cell Cycle</i> , 2009 , 8, 2463-6	4.7	1
45	Limiting the persistence of a chromosome break diminishes its mutagenic potential. <i>PLoS Genetics</i> , 2009 , 5, e1000683	6	66
44	TREX2 exonuclease defective cells exhibit double-strand breaks and chromosomal fragments but not Robertsonian translocations. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009 , 662, 84-7	3.3	12
43	DNA-PK suppresses a p53-independent apoptotic response to DNA damage. <i>EMBO Reports</i> , 2009 , 10, 87-93	6.5	31
42	DNA double-strand breaks: a potential causative factor for mammalian aging?. <i>Mechanisms of Ageing and Development</i> , 2008 , 129, 416-24	5.6	66
41	ERCC1-XPF endonuclease facilitates DNA double-strand break repair. <i>Molecular and Cellular Biology</i> , 2008 , 28, 5082-92	4.8	235
40	Is NHEJ a tumor suppressor or an aging suppressor?. <i>Cell Cycle</i> , 2008 , 7, 1139-45	4.7	18
39	Ku80 deletion suppresses spontaneous tumors and induces a p53-mediated DNA damage response. <i>Cancer Research</i> , 2008 , 68, 9497-502	10.1	21
38	Effect of Ku80 deficiency on mutation frequencies and spectra at a LacZ reporter locus in mouse tissues and cells. <i>PLoS ONE</i> , 2008 , 3, e3458	3.7	13
37	High-throughput knock-in coupling gene targeting with the HPRT minigene and Cre-mediated recombination. <i>Genesis</i> , 2008 , 46, 732-7	1.9	7
36	HPRT minigene generates chimeric transcripts as a by-product of gene targeting. <i>Genesis</i> , 2007 , 45, 275-81	8.1	11

35	Extended longevity mechanisms in short-lived progeroid mice: identification of a preservative stress response associated with successful aging. <i>Mechanisms of Ageing and Development</i> , 2007 , 128, 58-63	5.6	21
34	Deletion of Ku80 causes early aging independent of chronic inflammation and Rag-1-induced DSBs. <i>Mechanisms of Ageing and Development</i> , 2007 , 128, 601-8	5.6	19
33	Deletion of Ku70, Ku80, or both causes early aging without substantially increased cancer. <i>Molecular and Cellular Biology</i> , 2007 , 27, 8205-14	4.8	113
32	Cisplatin depletes TREX2 and causes Robertsonian translocations as seen in TREX2 knockout cells. <i>Cancer Research</i> , 2007 , 67, 9077-83	10.1	16
31	Biochemical and cellular characteristics of the 3P-> 5Pexonuclease TREX2. <i>Nucleic Acids Research</i> , 2007 , 35, 2682-94	20.1	29
30	Embryonic stem cells deficient for Brca2 or Blm exhibit divergent genotoxic profiles that support opposing activities during homologous recombination. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006 , 602, 110-20	3.3	22
29	Adaptive stress response in segmental progeria resembles long-lived dwarfism and calorie restriction in mice. <i>PLoS Genetics</i> , 2006 , 2, e192	6	48
28	Mouse Models of Accelerated Aging 2006 , 601-618		2
27	Non-homologous end joining, but not homologous recombination, enables survival for cells exposed to a histone deacetylase inhibitor. <i>Nucleic Acids Research</i> , 2005 , 33, 5320-30	20.1	35
26	Aging and p53: getting it straight. A commentary on a recent paper by Gentry and Venkatachalam. <i>Aging Cell</i> , 2005 , 4, 331-3	9.9	16
25	The impact of DNA damage, genetic mutation and cellular responses on cancer prevention, longevity and aging: observations in humans and mice. <i>Mechanisms of Ageing and Development</i> , 2005 , 126, 71-7	5.6	28
24	Correction of chromosomal mutation and random integration in embryonic stem cells with helper-dependent adenoviral vectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 13628-33	11.5	53
23	Accelerating aging by mouse reverse genetics: a rational approach to understanding longevity. <i>Aging Cell</i> , 2004 , 3, 55-65	9.9	64
22	Rebuttal to Miller: 'Accelerated aging' a primrose path to insight? <i>Aging Cell</i> , 2004 , 3, 67-9	9.9	15
21	A genotoxic screen: rapid analysis of cellular dose-response to a wide range of agents that either damage DNA or alter genome maintenance pathways. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004 , 554, 253-66	3.3	21
20	High-throughput inducible expression of transgenes at the Hprt gene in mouse embryonic stem cells. <i>BioTechniques</i> , 2003 , 34, 462-4, 466, 468	2.5	
19	Deletion of Brca2 exon 27 causes hypersensitivity to DNA crosslinks, chromosomal instability, and reduced life span in mice. <i>Genes Chromosomes and Cancer</i> , 2003 , 36, 317-31	5	77
18	Aging and genome maintenance: lessons from the mouse?. <i>Science</i> , 2003 , 299, 1355-9	33.3	487

17	Aging. Genomic priorities in aging. <i>Science</i> , 2002 , 296, 1250-1	33.3	40
16	The impact energy metabolism and genome maintenance have on longevity and senescence: lessons from yeast to mammals. <i>Mechanisms of Ageing and Development</i> , 2001 , 122, 1651-62	5.6	23
15	Analysis of ku80-mutant mice and cells with deficient levels of p53. <i>Molecular and Cellular Biology</i> , 2000 , 20, 3772-80	4.8	152
14	Temporal, spatial and tissue-specific expression of a myogenin-lacZ transgene targeted to the Hprt locus in mice. <i>BioTechniques</i> , 1999 , 27, 154-62	2.5	15
13	Targeted mutation in beta1,4-galactosyltransferase leads to pituitary insufficiency and neonatal lethality. <i>Developmental Biology</i> , 1997 , 181, 257-67	3.1	145
12	Embryonic lethality and radiation hypersensitivity mediated by Rad51 in mice lacking Brca2. <i>Nature</i> , 1997 , 386, 804-10	50.4	872
11	Ku86-deficient mice exhibit severe combined immunodeficiency and defective processing of V(D)J recombination intermediates. <i>Cell</i> , 1996 , 86, 379-89	56.2	384
10	Severe phenotype in mice with termination mutation in exon 2 of cystic fibrosis gene. <i>Somatic Cell and Molecular Genetics</i> , 1995 , 21, 177-87		36
9	Gene targeting in mouse embryonic stem cells with an adenoviral vector. <i>Somatic Cell and Molecular Genetics</i> , 1995 , 21, 221-31		30
8	Gene conversion during vector insertion in embryonic stem cells. <i>Nucleic Acids Research</i> , 1995 , 23, 2058-64	64.1	13
7	Targeting of the Gi2 alpha gene in ES cells with replacement and insertion vectors. <i>Journal of Receptors and Signal Transduction</i> , 1993 , 13, 619-37		7
6	A severe phenotype in mice with a duplication of exon 3 in the cystic fibrosis locus. <i>Human Molecular Genetics</i> , 1993 , 2, 1561-9	5.6	106
5	Muscle deficiency and neonatal death in mice with a targeted mutation in the myogenin gene. <i>Nature</i> , 1993 , 364, 501-6	50.4	1046
4	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. <i>Transgenic Research</i> , 1993 , 2, 345-55	3.3	25
3	Modifying the mouse: design and desire. <i>Nature Biotechnology</i> , 1992 , 10, 534-9	44.5	56
2	Genetic manipulation of the mouse via gene targeting in embryonic stem cells. <i>Novartis Foundation Symposium</i> , 1992 , 165, 256-69; discussion 269-76		9
1	Introduction of a subtle mutation into the Hox-2.6 locus in embryonic stem cells. <i>Nature</i> , 1991 , 350, 243-6	50.4	327