

# Han-Woong Lee

## List of Publications by Year in descending order

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123  
papers

13,084  
citations

101384

36  
h-index

22102

113  
g-index

127  
all docs

127  
docs citations

127  
times ranked

14967  
citing authors

#	ARTICLE	IF	CITATIONS
1	Telomere Shortening and Tumor Formation by Mouse Cells Lacking Telomerase RNA. <i>Cell</i> , 1997, 91, 25-34.	13.5	1,988
2	Role of the INK4a Locus in Tumor Suppression and Cell Mortality. <i>Cell</i> , 1996, 85, 27-37.	13.5	1,512
3	The Ink4a Tumor Suppressor Gene Product, p19Arf, Interacts with MDM2 and Neutralizes MDM2's Inhibition of p53. <i>Cell</i> , 1998, 92, 713-723.	13.5	1,412
4	Longevity, Stress Response, and Cancer in Aging Telomerase-Deficient Mice. <i>Cell</i> , 1999, 96, 701-712.	13.5	1,294
5	Differential Antigen Processing by Dendritic Cell Subsets in Vivo. <i>Science</i> , 2007, 315, 107-111.	6.0	1,214
6	Essential role of mouse telomerase in highly proliferative organs. <i>Nature</i> , 1998, 392, 569-574.	13.7	1,195
7	Cdkn1a deletion improves stem cell function and lifespan of mice with dysfunctional telomeres without accelerating cancer formation. <i>Nature Genetics</i> , 2007, 39, 99-105.	9.4	399
8	Knockout mice created by TALEN-mediated gene targeting. <i>Nature Biotechnology</i> , 2013, 31, 23-24.	9.4	326
9	Adrenal peripheral clock controls the autonomous circadian rhythm of glucocorticoid by causing rhythmic steroid production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20970-20975.	3.3	267
10	Highly efficient gene knockout in mice and zebrafish with RNA-guided endonucleases. <i>Genome Research</i> , 2014, 24, 125-131.	2.4	249
11	Role of Mxi1 in ageing organ systems and the regulation of normal and neoplastic growth. <i>Nature</i> , 1998, 393, 483-487.	13.7	190
12	Downregulation of FUSE-binding protein and c-myc by tRNA synthetase cofactor p38 is required for lung cell differentiation. <i>Nature Genetics</i> , 2003, 34, 330-336.	9.4	150
13	Animal Model for Maturity-onset Diabetes of the Young Generated by Disruption of the Mouse Glucokinase Gene. <i>Journal of Biological Chemistry</i> , 1995, 270, 21464-21467.	1.6	126
14	Assurance of mitochondrial integrity and mammalian longevity by the p62 <sup>Keap1</sup> -Nrf2 <sup>Nqo1</sup> cascade. <i>EMBO Reports</i> , 2012, 13, 150-156.	2.0	126
15	Ectopic Expression of the Catalytic Subunit of Telomerase Protects against Brain Injury Resulting from Ischemia and NMDA-Induced Neurotoxicity. <i>Journal of Neuroscience</i> , 2004, 24, 1280-1287.	1.7	123
16	Aerosol delivery of urocanic acid <sup>α</sup> -modified chitosan/programmed cell death 4 complex regulated apoptosis, cell cycle, and angiogenesis in lungs of K-ras null mice. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 1041-1049.	1.9	103
17	West Nile virus capsid protein induces p53-mediated apoptosis via the sequestration of HDM2 to the nucleolus. <i>Cellular Microbiology</i> , 2007, 10, 070816152918002-???	1.1	96
18	Telomeres and telomerase in aging, regeneration and cancer. <i>Molecules and Cells</i> , 2003, 15, 164-75.	1.0	95

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19	Jab1 Induces the Cytoplasmic Localization and Degradation of p53 in Coordination with Hdm2. <i>Journal of Biological Chemistry</i> , 2006, 281, 17457-17465.	1.6	84
20	Essential role for Max in early embryonic growth and development. <i>Genes and Development</i> , 2000, 14, 17-22.	2.7	80
21	Cyst Formation in Kidney via B-Raf Signaling in the PKD2 Transgenic Mice. <i>Journal of Biological Chemistry</i> , 2009, 284, 7214-7222.	1.6	73
22	Emerging Paradigm of Crosstalk between Autophagy and the Ubiquitin-Proteasome System. <i>Molecules and Cells</i> , 2017, 40, 897-905.	1.0	73
23	Extratelomeric Functions of Telomerase. <i>Current Molecular Medicine</i> , 2005, 5, 233-241.	0.6	68
24	Expanding the genetic code of <i>Mus musculus</i> . <i>Nature Communications</i> , 2017, 8, 14568.	5.8	67
25	Oncogene-induced senescence mediated by c-Myc requires USP10 dependent deubiquitination and stabilization of p14ARF. <i>Cell Death and Differentiation</i> , 2018, 25, 1050-1062.	5.0	65
26	Jab1 Mediates Cytoplasmic Localization and Degradation of West Nile Virus Capsid Protein. <i>Journal of Biological Chemistry</i> , 2006, 281, 30166-30174.	1.6	64
27	Synchronous activation of gonadotropin-releasing hormone gene transcription and secretion by pulsatile kisspeptin stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5677-5682.	3.3	56
28	Acceleration of Gastric Tumorigenesis Through MKRN1-Mediated Posttranslational Regulation of p14ARF. <i>Journal of the National Cancer Institute</i> , 2012, 104, 1660-1672.	3.0	55
29	Adenylyl cyclase 3 haploinsufficiency confers susceptibility to diet-induced obesity and insulin resistance in mice. <i>Scientific Reports</i> , 2016, 6, 34179.	1.6	53
30	Interferon regulatory factor-1 (IRF-1) is a mediator for interferon- $\gamma$ induced attenuation of telomerase activity and human telomerase reverse transcriptase (hTERT) expression. <i>Oncogene</i> , 2003, 22, 381-391.	2.6	51
31	Dynamic rearrangement of telomeres during spermatogenesis in mice. <i>Developmental Biology</i> , 2005, 281, 196-207.	0.9	48
32	Telomerase Deficiency Affects Normal Brain Functions in Mice. <i>Neurochemical Research</i> , 2010, 35, 211-218.	1.6	44
33	Loss of Extracellular Superoxide Dismutase Induces Severe IL-23-Mediated Skin Inflammation in Mice. <i>Journal of Investigative Dermatology</i> , 2013, 133, 732-741.	0.3	41
34	Oncogenic Potential of a Dominant Negative Mutant of Interferon Regulatory Factor 3. <i>Journal of Biological Chemistry</i> , 2003, 278, 15272-15278.	1.6	40
35	Short dysfunctional telomeres impair the repair of arsenite-induced oxidative damage in mouse cells. <i>Journal of Cellular Physiology</i> , 2008, 214, 796-809.	2.0	40
36	Telomerase reverse transcriptase induces basal and amino acid starvation-induced autophagy through mTORC1. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 1198-1204.	1.0	38

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37	<i>O</i> -GlcNAcylation on LATS2 disrupts the Hippo pathway by inhibiting its activity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14259-14269.	3.3	36
38	Chromatin Remodeling Complex Interacts with ADD1/SREBP1c To Mediate Insulin-Dependent Regulation of Gene Expression. Molecular and Cellular Biology, 2007, 27, 438-452.	1.1	35
39	Hippocampal TERT Regulates Spatial Memory Formation through Modulation of Neural Development. Stem Cell Reports, 2017, 9, 543-556.	2.3	34
40	EI24 regulates epithelial-to-mesenchymal transition and tumor progression by suppressing TRAF2-mediated NF- $\kappa$ B activity. Oncotarget, 2013, 4, 2383-2396.	0.8	34
41	CRISPR-Cas9-mediated generation of obese and diabetic mouse models. Experimental Animals, 2018, 67, 229-237.	0.7	33
42	Inhibition of colon tumor progression and angiogenesis by the Ink4a/Arf locus. Cancer Research, 2003, 63, 742-6.	0.4	33
43	Rb Protein Down-regulates the Stress-activated Signals through Inhibiting c-Jun N-terminal Kinase/Stress-activated Protein Kinase. Journal of Biological Chemistry, 2000, 275, 14107-14111.	1.6	32
44	SOD3 Variant, R213G, Altered SOD3 Function, Leading to ROS-Mediated Inflammation and Damage in Multiple Organs of Premature Aging Mice. Antioxidants and Redox Signaling, 2015, 23, 985-999.	2.5	32
45	Hexokinase 2 is a molecular bridge linking telomerase and autophagy. PLoS ONE, 2018, 13, e0193182.	1.1	31
46	Analysis of 41 cancer cell lines reveals excessive allelic loss and novel mutations in the <i>SIRT1</i> gene. Cell Cycle, 2013, 12, 263-270.	1.3	30
47	Multiple Developmental Defects Derived from Impaired Recruitment of ASC-2 to Nuclear Receptors in Mice: Implication for Posterior Lenticulus with Cataract. Molecular and Cellular Biology, 2002, 22, 8409-8414.	1.1	28
48	TCR-Independent and Caspase-Independent Apoptosis of Murine Thymocytes by CD24 Cross-Linking. Journal of Immunology, 2004, 172, 795-802.	0.4	28
49	Essential role of p53 in TPEN-induced neuronal apoptosis. FEBS Letters, 2009, 583, 1516-1520.	1.3	28
50	Functional characterization of EI24-induced autophagy in the degradation of RING-domain E3 ligases. Autophagy, 2016, 12, 2038-2053.	4.3	28
51	Selenoprotein W ensures physiological bone remodeling by preventing hyperactivity of osteoclasts. Nature Communications, 2021, 12, 2258.	5.8	28
52	Mouse genetics: Catalogue and scissors. BMB Reports, 2012, 45, 686-692.	1.1	28
53	Differences between immunodeficient mice generated by classical gene targeting and CRISPR/Cas9-mediated gene knockout. Transgenic Research, 2018, 27, 241-251.	1.3	27
54	The role of Ink4a/Arf in ErbB2 mammary gland tumorigenesis. Cancer Research, 2003, 63, 3395-402.	0.4	26

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55	Improvement of in vitro two-stage transformation assay and determination of the promotional effect of cadmium. <i>Toxicology in Vitro</i> , 2001, 15, 225-231.	1.1	24
56	Generation of knockout mice using engineered nucleases. <i>Methods</i> , 2014, 69, 85-93.	1.9	24
57	Perturbation of NCOA6 Leads to Dilated Cardiomyopathy. <i>Cell Reports</i> , 2014, 8, 991-998.	2.9	24
58	Human Telomerase Reverse Transcriptase (hTERT) Positively Regulates 26S Proteasome Activity. <i>Journal of Cellular Physiology</i> , 2017, 232, 2083-2093.	2.0	23
59	Upstream signalling of mTORC1 and its hyperactivation in type 2 diabetes (T2D). <i>BMB Reports</i> , 2017, 50, 601-609.	1.1	23
60	A strong candidate gene for the Papp1 locus on mouse chromosome 4 affecting lung tumor progression. <i>Oncogene</i> , 2002, 21, 5960-5966.	2.6	22
61	Mouse models for telomere and telomerase biology. <i>Experimental and Molecular Medicine</i> , 2003, 35, 141-153.	3.2	22
62	Establishment of a Conditional Transgenic Mouse Model Recapitulating EML4-ALK $\hat{=}$ "Positive Human Non-Small Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2017, 12, 491-500.	0.5	21
63	Sensitizing effects of cadmium on TNF-alpha- and TRAIL-mediated apoptosis of NIH3T3 cells with distinct expression patterns of p53. <i>Carcinogenesis</i> , 2002, 23, 1411-1417.	1.3	19
64	Beclin 1 functions as a negative modulator of MLKL oligomerisation by integrating into the necrosome complex. <i>Cell Death and Differentiation</i> , 2020, 27, 3065-3081.	5.0	19
65	Ei24-deficiency attenuates protein kinase C $\delta$ signaling and skin carcinogenesis in mice. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 1887-1896.	1.2	18
66	Ablation of human telomerase reverse transcriptase (hTERT) induces cellular senescence in gastric cancer through a galectin-3 dependent mechanism. <i>Oncotarget</i> , 2016, 7, 57117-57130.	0.8	18
67	Inactivation of Mxi1 induces IL-8 secretion activation in polycystic kidney. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 85-90.	1.0	17
68	Ei24, a Novel E2F Target Gene, Affects p53-independent Cell Death upon Ultraviolet C Irradiation. <i>Journal of Biological Chemistry</i> , 2013, 288, 31261-31267.	1.6	17
69	Role of INK4a locus in normal eye development and cataract genesis. <i>Mechanisms of Ageing and Development</i> , 2006, 127, 633-638.	2.2	16
70	Overexpression of Telomerase Reverse Transcriptase Induces Autism-like Excitatory Phenotypes in Mice. <i>Molecular Neurobiology</i> , 2016, 53, 7312-7328.	1.9	16
71	Hypomorphic Mutations in TONSL Cause SPONASTRIME Dysplasia. <i>American Journal of Human Genetics</i> , 2019, 104, 439-453.	2.6	16
72	Pierce1, a Novel p53 Target Gene Contributing to the Ultraviolet-Induced DNA Damage Response. <i>Cancer Research</i> , 2010, 70, 10454-10463.	0.4	14

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73	Reduced expression of E124 confers resistance to gefitinib through IGF-1R signaling in PC9 NSCLC cells. <i>Lung Cancer</i> , 2015, 90, 175-181.	0.9	12
74	An Analysis of an Interactome for Apoptosis Factor, Ei24/PIG8, Using the Inducible Expression System and Shotgun Proteomics. <i>Journal of Proteome Research</i> , 2010, 9, 5270-5283.	1.8	11
75	PIERCE1 is critical for specification of left-right asymmetry in mice. <i>Scientific Reports</i> , 2016, 6, 27932.	1.6	11
76	Depletion of Adipocyte <i>Becn1</i> Leads to Lipodystrophy and Metabolic Dysregulation. <i>Diabetes</i> , 2021, 70, 182-195.	0.3	11
77	Synergistic antitumor activity of a DLL4/VEGF bispecific therapeutic antibody in combination with irinotecan in gastric cancer. <i>BMB Reports</i> , 2020, 53, 533-538.	1.1	11
78	Bee venom inhibits the proliferation and migration of cervical-cancer cells in an HPV E6/E7-dependent manner. <i>BMB Reports</i> , 2020, 53, 419-424.	1.1	11
79	Hes6 Controls Cell Proliferation via Interaction with cAMP-response Element-binding Protein-binding Protein in the Promyelocytic Leukemia Nuclear Body. <i>Journal of Biological Chemistry</i> , 2008, 283, 5939-5949.	1.6	10
80	Clinical implications of antitelomeric drugs with respect to the nontelomeric functions of telomerase in cancer. <i>OncoTargets and Therapy</i> , 2013, 6, 1161.	1.0	10
81	CRISPR/Cas9-mediated knockout of <i>Rag-2</i> causes systemic lymphopenia with hypoplastic lymphoid organs in FVB mice. <i>Laboratory Animal Research</i> , 2018, 34, 166.	1.1	10
82	EVI1 activates tumor-promoting transcriptional enhancers in pancreatic cancer. <i>NAR Cancer</i> , 2021, 3, zcab023.	1.6	10
83	Telomerase Reverse Transcriptase Contains a BH3-Like Motif and Interacts with BCL-2 Family Members. <i>Molecules and Cells</i> , 2018, 41, 684-694.	1.0	10
84	Functional Genomics Approach Using Mice. <i>BMB Reports</i> , 2004, 37, 122-132.	1.1	10
85	Insertional Mutation in the Intron 1 of <i>Unc5h3</i> Gene Induces Ataxic, Lean and Hyperactive Phenotype in mice.. <i>Experimental Animals</i> , 2003, 52, 273-283.	0.7	9
86	Extracellular superoxide dismutase ameliorates house dust mite-induced atopic dermatitis-like skin inflammation and inhibits mast cell activation in mice. <i>Experimental Dermatology</i> , 2016, 25, 630-635.	1.4	9
87	Cardioprotective role of APIP in myocardial infarction through ADORA2B. <i>Cell Death and Disease</i> , 2019, 10, 511.	2.7	9
88	Impaired AKT signaling and lung tumorigenesis by PIERCE1 ablation in KRAS-mutant non-small cell lung cancer. <i>Oncogene</i> , 2020, 39, 5876-5887.	2.6	9
89	Transgenic overexpression of p23 induces spontaneous hydronephrosis in mice. <i>International Journal of Experimental Pathology</i> , 2011, 92, 251-259.	0.6	8
90	Disruption of the <i>Tff1</i> gene in mice using CRISPR/Cas9 promotes body weight reduction and gastric tumorigenesis. <i>Laboratory Animal Research</i> , 2018, 34, 257.	1.1	8

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91	Identification of a novel Rb-regulated gene associated with the cell cycle. <i>Molecules and Cells</i> , 2007, 24, 409-15.	1.0	8
92	CRISPR/Cas9-mediated generation of a <i>Plac8</i> knockout mouse model. <i>Laboratory Animal Research</i> , 2018, 34, 279.	1.1	7
93	Atrophy of brown adipocytes in the adult mouse causes transformation into white adipocyte-like cells. <i>Experimental and Molecular Medicine</i> , 2003, 35, 518-526.	3.2	6
94	<i>Mxi1</i> regulates cell proliferation through insulin-like growth factor binding protein-3. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 36-41.	1.0	5
95	A myo-inositol diet for lung cancer prevention and beyond. <i>Journal of Thoracic Disease</i> , 2018, 10, S3919-S3921.	0.6	5
96	<i>DNAJC14</i> Ameliorates Inner Ear Degeneration in the <i>DFNB4</i> Mouse Model. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 17, 188-197.	1.8	5
97	mTORC1-induced retinal progenitor cell overproliferation leads to accelerated mitotic aging and degeneration of descendent Müller glia. <i>ELife</i> , 2021, 10, .	2.8	5
98	2,2',4,6,6'-Pentachlorobiphenyl Induces Mitotic Arrest and p53 Activation. <i>Toxicological Sciences</i> , 2004, 78, 215-221.	1.4	4
99	Hematopoietic malignancies associated with increased Stat5 and Bcl-xL expressions in <i>Ink4a/Arf</i> -deficient mice. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 732-739.	2.2	4
100	In vitro and in vivo anti-tumor effects of oriental herbal mixtures. <i>Food Science and Biotechnology</i> , 2010, 19, 1019-1027.	1.2	4
101	The R229Q mutation of <i>Rag2</i> does not characterize severe immunodeficiency in mice. <i>Scientific Reports</i> , 2019, 9, 4415.	1.6	4
102	Classifying the Linkage between Adipose Tissue Inflammation and Tumor Growth through Cancer-Associated Adipocytes. <i>Molecules and Cells</i> , 2020, 43, 763-773.	1.0	4
103	Up-regulation of <i>Idh3<math>\beta</math></i> causes reduction of neuronal differentiation in PC12 cells. <i>BMB Reports</i> , 2010, 43, 369-374.	1.1	4
104	Extracting Extra-Telomeric Phenotypes from Telomerase Mouse Models. <i>Yonsei Medical Journal</i> , 2014, 55, 1.	0.9	3
105	Developing genetically engineered mouse models using engineered nucleases: Current status, challenges, and the way forward. <i>Drug Discovery Today: Disease Models</i> , 2016, 20, 13-20.	1.2	3
106	Generation of knockout mouse models of cyclin-dependent kinase inhibitors by engineered nuclease-mediated genome editing. <i>Laboratory Animal Research</i> , 2018, 34, 264.	1.1	3
107	Sexually dimorphic leanness and hypermobility in <i>p16Ink4a/CDKN2A</i> -deficient mice coincides with phenotypic changes in the cerebellum. <i>Scientific Reports</i> , 2019, 9, 11167.	1.6	3
108	Effect of <i>Ei24</i> expression on the tumorigenesis of <i>Apc</i> colorectal cancer mouse model. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 1087-1092.	1.0	3

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109	Phenotyping analysis of p53 knockout mice produced by gene editing and comparison with conventional p53 knockout mice. <i>Genes and Genomics</i> , 2019, 41, 701-712.	0.5	3
110	The position of the target site for engineered nucleases improves the aberrant mRNA clearance in vivo genome editing. <i>Scientific Reports</i> , 2020, 10, 4173.	1.6	3
111	Sensitivity to tumor development by TALEN-mediated Trp53 mutant genes in the susceptible FVB/N mice and the resistance C57BL/6 mice. <i>Laboratory Animal Research</i> , 2021, 37, 32.	1.1	3
112	CRISPR/Cas9-mediated knockout of CD47 causes hemolytic anemia with splenomegaly in C57BL/6 mice. <i>Laboratory Animal Research</i> , 2018, 34, 302.	1.1	2
113	Successful development of squamous cell carcinoma and hyperplasia in RGEN-mediated p27 KO mice after the treatment of DMBA and TPA. <i>Laboratory Animal Research</i> , 2018, 34, 118.	1.1	2
114	Divergence of the PIERCE1 expression between mice and humans as a p53 target gene. <i>PLoS ONE</i> , 2020, 15, e0236881.	1.1	1
115	C1qa deficiency in mice increases susceptibility to mouse hepatitis virus A59 infection. <i>Journal of Veterinary Science</i> , 2021, 22, e36.	0.5	1
116	Generation of reversible Rb-knockdown mice. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 1164-1169.	2.2	0
117	Differential manifestation of ocular phenotypes in TALEN-mediated p19arf knockout FVB/N and C57BL/6J mouse lines. <i>Genes and Genomics</i> , 2020, 42, 1023-1033.	0.5	0
118	Effect of PIERCE1 on colorectal cancer. <i>Experimental Animals</i> , 2020, 69, 414-422.	0.7	0
119	Telomerase: Key to Mortal or Immortal Road. <i>Immune Network</i> , 2002, 2, 183.	1.6	0
120	Divergence of the PIERCE1 expression between mice and humans as a p53 target gene. , 2020, 15, e0236881.		0
121	Divergence of the PIERCE1 expression between mice and humans as a p53 target gene. , 2020, 15, e0236881.		0
122	Divergence of the PIERCE1 expression between mice and humans as a p53 target gene. , 2020, 15, e0236881.		0
123	Divergence of the PIERCE1 expression between mice and humans as a p53 target gene. , 2020, 15, e0236881.		0