

# 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	Depletion of Adipocyte <i>Bcl2</i> Leads to Lipodystrophy and Metabolic Dysregulation. <i>Diabetes</i> , 2021, 70, 182-195.	0.3	11
2	C1qa deficiency in mice increases susceptibility to mouse hepatitis virus A59 infection. <i>Journal of Veterinary Science</i> , 2021, 22, e36.	0.5	1
3	Selenoprotein W ensures physiological bone remodeling by preventing hyperactivity of osteoclasts. <i>Nature Communications</i> , 2021, 12, 2258.	5.8	28
4	EV11 activates tumor-promoting transcriptional enhancers in pancreatic cancer. <i>NAR Cancer</i> , 2021, 3, zcab023.	1.6	10
5	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
6	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
7	DNAJC14 Ameliorates Inner Ear Degeneration in the DFNB4 Mouse Model. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 17, 188-197.	1.8	5
8	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
9	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
10	Divergence of the PIERCE1 expression between mice and humans as a p53 target gene. <i>PLoS ONE</i> , 2020, 15, e0236881.	1.1	1
11	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
12	O-GlcNAcylation on LATS2 disrupts the Hippo pathway by inhibiting its activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14259-14269.	3.3	36
13	The position of the target site for engineered nucleases improves the aberrant mRNA clearance in in vivo genome editing. <i>Scientific Reports</i> , 2020, 10, 4173.	1.6	3
14	Effect of PIERCE1 on colorectal cancer. <i>Experimental Animals</i> , 2020, 69, 414-422.	0.7	0
15	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
16	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
17	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
18	Divergence of the PIERCE1 expression between mice and humans as a p53 target gene. , 2020, 15, e0236881.		0

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19	Divergence of the PIERCE1 expression between mice and humans as a p53 target gene. , 2020, 15, e0236881.		0
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21	Divergence of the PIERCE1 expression between mice and humans as a p53 target gene. , 2020, 15, e0236881.		0
22	Sexually dimorphic leanness and hypermobility in p16Ink4a/CDKN2A-deficient mice coincides with phenotypic changes in the cerebellum. Scientific Reports, 2019, 9, 11167.	1.6	3
23	Cardioprotective role of APIP in myocardial infarction through ADORA2B. Cell Death and Disease, 2019, 10, 511.	2.7	9
24	Effect of E124 expression on the tumorigenesis of Apc colorectal cancer mouse model. Biochemical and Biophysical Research Communications, 2019, 514, 1087-1092.	1.0	3
25	Phenotyping analysis of p53 knockout mice produced by gene editing and comparison with conventional p53 knockout mice. Genes and Genomics, 2019, 41, 701-712.	0.5	3
26	The R229Q mutation of Rag2 does not characterize severe immunodeficiency in mice. Scientific Reports, 2019, 9, 4415.	1.6	4
27	Hypomorphic Mutations in TONSL Cause SPONASTRIME Dysplasia. American Journal of Human Genetics, 2019, 104, 439-453.	2.6	16
28	Oncogene-induced senescence mediated by c-Myc requires USP10 dependent deubiquitination and stabilization of p14ARF. Cell Death and Differentiation, 2018, 25, 1050-1062.	5.0	65
29	CRISPR-Cas9-mediated generation of obese and diabetic mouse models. Experimental Animals, 2018, 67, 229-237.	0.7	33
30	Differences between immunodeficient mice generated by classical gene targeting and CRISPR/Cas9-mediated gene knockout. Transgenic Research, 2018, 27, 241-251.	1.3	27
31	A myo-inositol diet for lung cancer prevention and beyond. Journal of Thoracic Disease, 2018, 10, S3919-S3921.	0.6	5
32	CRISPR/Cas9-mediated knockout of <i>Rag-2</i> causes systemic lymphopenia with hypoplastic lymphoid organs in FVB mice. Laboratory Animal Research, 2018, 34, 166.	1.1	10
33	Disruption of the <i>Tff1</i> gene in mice using CRISPR/Cas9 promotes body weight reduction and gastric tumorigenesis. Laboratory Animal Research, 2018, 34, 257.	1.1	8
34	CRISPR/Cas9-mediated generation of a <i>Plac8</i> knockout mouse model. Laboratory Animal Research, 2018, 34, 279.	1.1	7
35	CRISPR/Cas9-mediated knockout of CD47 causes hemolytic anemia with splenomegaly in C57BL/6 mice. Laboratory Animal Research, 2018, 34, 302.	1.1	2
36	Generation of knockout mouse models of cyclin-dependent kinase inhibitors by engineered nuclease-mediated genome editing. Laboratory Animal Research, 2018, 34, 264.	1.1	3

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37	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
38	Hexokinase 2 is a molecular bridge linking telomerase and autophagy. <i>PLoS ONE</i> , 2018, 13, e0193182.	1.1	31
39	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
40	Expanding the genetic code of <i>Mus musculus</i> . <i>Nature Communications</i> , 2017, 8, 14568.	5.8	67
41	Hippocampal TERT Regulates Spatial Memory Formation through Modulation of Neural Development. <i>Stem Cell Reports</i> , 2017, 9, 543-556.	2.3	34
42	Establishment of a Conditional Transgenic Mouse Model Recapitulating EML4-ALK Positive Human Non-Small Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2017, 12, 491-500.	0.5	21
43	Human Telomerase Reverse Transcriptase (hTERT) Positively Regulates 26S Proteasome Activity. <i>Journal of Cellular Physiology</i> , 2017, 232, 2083-2093.	2.0	23
44	Emerging Paradigm of Crosstalk between Autophagy and the Ubiquitin-Proteasome System. <i>Molecules and Cells</i> , 2017, 40, 897-905.	1.0	73
45	Upstream signalling of mTORC1 and its hyperactivation in type 2 diabetes (T2D). <i>BMB Reports</i> , 2017, 50, 601-609.	1.1	23
46	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
47	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
48	Functional characterization of E124-induced autophagy in the degradation of RING-domain E3 ligases. <i>Autophagy</i> , 2016, 12, 2038-2053.	4.3	28
49	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
50	PIERCE1 is critical for specification of left-right asymmetry in mice. <i>Scientific Reports</i> , 2016, 6, 27932.	1.6	11
51	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
52	Overexpression of Telomerase Reverse Transcriptase Induces Autism-like Excitatory Phenotypes in Mice. <i>Molecular Neurobiology</i> , 2016, 53, 7312-7328.	1.9	16
53	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
54	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

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55	SOD3 Variant, R213G, Altered SOD3 Function, Leading to ROS-Mediated Inflammation and Damage in Multiple Organs of Premature Aging Mice. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 985-999.	2.5	32
56	Extracting Extra-Telomeric Phenotypes from Telomerase Mouse Models. <i>Yonsei Medical Journal</i> , 2014, 55, 1.	0.9	3
57	Generation of knockout mice using engineered nucleases. <i>Methods</i> , 2014, 69, 85-93.	1.9	24
58	Highly efficient gene knockout in mice and zebrafish with RNA-guided endonucleases. <i>Genome Research</i> , 2014, 24, 125-131.	2.4	249
59	Perturbation of NCOA6 Leads to Dilated Cardiomyopathy. <i>Cell Reports</i> , 2014, 8, 991-998.	2.9	24
60	Knockout mice created by TALEN-mediated gene targeting. <i>Nature Biotechnology</i> , 2013, 31, 23-24.	9.4	326
61	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
62	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
63	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
64	Analysis of 41 cancer cell lines reveals excessive allelic loss and novel mutations in the <i>SIRT1</i> gene. <i>Cell Cycle</i> , 2013, 12, 263-270.	1.3	30
65	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
66	Ei24 regulates epithelial-to-mesenchymal transition and tumor progression by suppressing TRAF2-mediated NF- $\kappa$ B activity. <i>Oncotarget</i> , 2013, 4, 2383-2396.	0.8	34
67	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
68	Assurance of mitochondrial integrity and mammalian longevity by the p62-Keap1-Nrf2-Nqo1 cascade. <i>EMBO Reports</i> , 2012, 13, 150-156.	2.0	126
69	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
70	Mouse genetics: Catalogue and scissors. <i>BMB Reports</i> , 2012, 45, 686-692.	1.1	28
71	Mxi1 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
72	Transgenic overexpression of p23 induces spontaneous hydronephrosis in mice. <i>International Journal of Experimental Pathology</i> , 2011, 92, 251-259.	0.6	8

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73	In vitro and in vivo anti-tumor effects of oriental herbal mixtures. Food Science and Biotechnology, 2010, 19, 1019-1027.	1.2	4
74	Telomerase Deficiency Affects Normal Brain Functions in Mice. Neurochemical Research, 2010, 35, 211-218.	1.6	44
75	Pierce1, a Novel p53 Target Gene Contributing to the Ultraviolet-Induced DNA Damage Response. Cancer Research, 2010, 70, 10454-10463.	0.4	14
76	An Analysis of an Interactome for Apoptosis Factor, Ei24/PIG8, Using the Inducible Expression System and Shotgun Proteomics. Journal of Proteome Research, 2010, 9, 5270-5283.	1.8	11
77	Up-regulation of Idh3 $\beta$ causes reduction of neuronal differentiation in PC12 cells. BMB Reports, 2010, 43, 369-374.	1.1	4
78	Cyst Formation in Kidney via B-Raf Signaling in the PKD2 Transgenic Mice. Journal of Biological Chemistry, 2009, 284, 7214-7222.	1.6	73
79	Essential role of p53 in TPEN-induced neuronal apoptosis. FEBS Letters, 2009, 583, 1516-1520.	1.3	28
80	Short dysfunctional telomeres impair the repair of arsenite-induced oxidative damage in mouse cells. Journal of Cellular Physiology, 2008, 214, 796-809.	2.0	40
81	Adrenal peripheral clock controls the autonomous circadian rhythm of glucocorticoid by causing rhythmic steroid production. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20970-20975.	3.3	267
82	Hes6 Controls Cell Proliferation via Interaction with cAMP-response Element-binding Protein-binding Protein in the Promyelocytic Leukemia Nuclear Body. Journal of Biological Chemistry, 2008, 283, 5939-5949.	1.6	10
83	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
84	Inactivation of Mxi1 induces Il-8 secretion activation in polycystic kidney. Biochemical and Biophysical Research Communications, 2007, 356, 85-90.	1.0	17
85	Differential Antigen Processing by Dendritic Cell Subsets in Vivo. Science, 2007, 315, 107-111.	6.0	1,214
86	Cdkn1a deletion improves stem cell function and lifespan of mice with dysfunctional telomeres without accelerating cancer formation. Nature Genetics, 2007, 39, 99-105.	9.4	399
87	West Nile virus capsid protein induces p53-mediated apoptosis via the sequestration of HDM2 to the nucleolus. Cellular Microbiology, 2007, 10, 070816152918002-???.	1.1	96
88	Identification of a novel Rb-regulated gene associated with the cell cycle. Molecules and Cells, 2007, 24, 409-15.	1.0	8
89	Aerosol delivery of urocanic acid-modified chitosan/programmed cell death 4 complex regulated apoptosis, cell cycle, and angiogenesis in lungs of K-ras null mice. Molecular Cancer Therapeutics, 2006, 5, 1041-1049.	1.9	103
90	Role of INK4a locus in normal eye development and cataract genesis. Mechanisms of Ageing and Development, 2006, 127, 633-638.	2.2	16

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91	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
92	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
93	Hematopoietic malignancies associated with increased Stat5 and Bcl-xL expressions in Ink4a/Arf-deficient mice. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 732-739.	2.2	4
94	Generation of reversible Rb-knockdown mice. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 1164-1169.	2.2	0
95	Extratelomeric Functions of Telomerase. <i>Current Molecular Medicine</i> , 2005, 5, 233-241.	0.6	68
96	Dynamic rearrangement of telomeres during spermatogenesis in mice. <i>Developmental Biology</i> , 2005, 281, 196-207.	0.9	48
97	2,2',4,6,6'-Pentachlorobiphenyl Induces Mitotic Arrest and p53 Activation. <i>Toxicological Sciences</i> , 2004, 78, 215-221.	1.4	4
98	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
99	TCR-Independent and Caspase-Independent Apoptosis of Murine Thymocytes by CD24 Cross-Linking. <i>Journal of Immunology</i> , 2004, 172, 795-802.	0.4	28
100	Functional Genomics Approach Using Mice. <i>BMB Reports</i> , 2004, 37, 122-132.	1.1	10
101	Interferon regulatory factor-1 (IRF-1) is a mediator for interferon- $\beta$ induced attenuation of telomerase activity and human telomerase reverse transcriptase (hTERT) expression. <i>Oncogene</i> , 2003, 22, 381-391.	2.6	51
102	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
103	Mouse models for telomere and telomerase biology. <i>Experimental and Molecular Medicine</i> , 2003, 35, 141-153.	3.2	22
104	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
105	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
106	Insertional Mutation in the Intron 1 of Unc5h3 Gene Induces Ataxic, Lean and Hyperactive Phenotype in mice.. <i>Experimental Animals</i> , 2003, 52, 273-283.	0.7	9
107	Inhibition of colon tumor progression and angiogenesis by the Ink4a/Arf locus. <i>Cancer Research</i> , 2003, 63, 742-6.	0.4	33
108	Telomeres and telomerase in aging, regeneration and cancer. <i>Molecules and Cells</i> , 2003, 15, 164-75.	1.0	95

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109	The role of Ink4a/Arf in ErbB2 mammary gland tumorigenesis. <i>Cancer Research</i> , 2003, 63, 3395-402.	0.4	26
110	Multiple Developmental Defects Derived from Impaired Recruitment of ASC-2 to Nuclear Receptors in Mice: Implication for Posterior Lenticonus with Cataract. <i>Molecular and Cellular Biology</i> , 2002, 22, 8409-8414.	1.1	28
111	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
112	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
113	Telomerase: Key to Mortal or Immortal Road. <i>Immune Network</i> , 2002, 2, 183.	1.6	0
114	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
115	Rb Protein Down-regulates the Stress-activated Signals through Inhibiting c-Jun N-terminal Kinase/Stress-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 2000, 275, 14107-14111.	1.6	32
116	Essential role for Max in early embryonic growth and development. <i>Genes and Development</i> , 2000, 14, 17-22.	2.7	80
117	Longevity, Stress Response, and Cancer in Aging Telomerase-Deficient Mice. <i>Cell</i> , 1999, 96, 701-712.	13.5	1,294
118	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
119	Essential role of mouse telomerase in highly proliferative organs. <i>Nature</i> , 1998, 392, 569-574.	13.7	1,195
120	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
121	Telomere Shortening and Tumor Formation by Mouse Cells Lacking Telomerase RNA. <i>Cell</i> , 1997, 91, 25-34.	13.5	1,988
122	Role of the INK4a Locus in Tumor Suppression and Cell Mortality. <i>Cell</i> , 1996, 85, 27-37.	13.5	1,512
123	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