Tae-Hoon Lee

List of Publications by Year
in descending order

90 papers	3,157 citations	186265 28 h-index	168389 53 g-index
94 all docs	94 docs citations	94 times ranked	4373 citing authors

#	Article	IF	Citations
1	Identification of a New Type of Mammalian Peroxiredoxin That Forms an Intramolecular Disulfide as a Reaction Intermediate. Journal of Biological Chemistry, 2000, 275, 20346-20354.	3.4	403
2	Peroxiredoxin II is essential for sustaining life span of erythrocytes in mice. Blood, 2003, 101, 5033-5038.	1.4	367
3	Role of Peroxiredoxins in Regulating Intracellular Hydrogen Peroxide and Hydrogen Peroxide-induced Apoptosis in Thyroid Cells. Journal of Biological Chemistry, 2000, 275, 18266-18270.	3.4	193
4	Inverse agonist of estrogen-related receptor Î³ controls Salmonella typhimurium infection by modulating host iron homeostasis. Nature Medicine, 2014, 20, 419-424.	30.7	127
5	Antioxidant enzymes as redox-based biomarkers: a brief review. BMB Reports, 2015, 48, 200-208.	2.4	127
6	Roles of peroxiredoxin II in the regulation of proinflammatory responses to LPS and protection against endotoxin-induced lethal shock. Journal of Experimental Medicine, 2007, 204, 583-594.	8.5	125
7	Characterization of neural cell types expressing peroxiredoxins in mouse brain. Neuroscience Letters, 2005, 381, 252-257.	2.1	102
8	Cytosolic Peroxiredoxin Attenuates The Activation Of Jnk And P38 But Potentiates That Of Erk In Hela Cells Stimulated With Tumor Necrosis Factor-Î±. Journal of Biological Chemistry, 2004, 279, 2535-2543.	3.4	77
9	Peroxiredoxin I is a ROS/p38 MAPK-dependent inducible antioxidant that regulates NF-ÎºB-mediated iNOS induction and microglial activation. Journal of Neuroimmunology, 2013, 259, 26-36.	2.3	76
10	Carbonic Anhydrase III Is Not Required in the Mouse for Normal Growth, Development, and Life Span. Molecular and Cellular Biology, 2004, 24, 9942-9947.	2.3	64
11	Activation of Signal Transducer and Activator of Transcription 3 by Oncogenic RET/PTC (Rearranged in) Tj ETQq1 1 0.784314 rgBT /Over Cellular Transformation. Molecular Endocrinology, 2003, 17, 1155-1166.	3.7	61
12	Gender-dependent hepatic alterations in H-ras12V transgenic mice. Journal of Hepatology, 2005, 43, 836-844.	3.7	56
13	Peroxiredoxin II preserves cognitive function against age-linked hippocampal oxidative damage. Neurobiology of Aging, 2011, 32, 1054-1068.	3.1	55
14	Evaluation of the Antioxidant, Anti-Inflammatory, and Anticancer Activities of Euphorbia hirta Ethanolic Extract. Molecules, 2014, 19, 14567-14581.	3.8	53
15	The hepcidin-ferroportin axis controls the iron content of Salmonella-containing vacuoles in macrophages. Nature Communications, 2018, 9, 2091.	12.8	51
16	Effect of Socioeconomic Status on the Linkage Between Suicidal Ideation and Suicide Attempts. Suicide and Life-Threatening Behavior, 2016, 46, 588-597.	1.9	49
17	RtxA1â€Induced Expression of the Small GTPase Rac2 Plays a Key Role in the Pathogenicity ofVibrio vulnificus. Journal of Infectious Diseases, 2010, 201, 97-105.	4.0	48
18	Methimazole As an Antioxidant and Immunomodulator in Thyroid Cells: Mechanisms Involving Interferon-Î³ Signaling and H₂O₂Scavenging. Molecular Pharmacology, 2001, 60, 972-980.	2.3	46

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19	Microglial peroxiredoxin V acts as an inducible antiâ€inflammatory antioxidant through cooperation with redox signaling cascades. Journal of Neurochemistry, 2010, 114, 39-50.	3.9	45
20	Direct Transcriptional Activation of Promyelocytic Leukemia Protein by IFN Regulatory Factor 3 Induces the p53-Dependent Growth Inhibition of Cancer Cells. Cancer Research, 2007, 67, 11133-11140.	0.9	39
21	Multifunctional effects of honokiol as an anti-inflammatory and anti-cancer drug in human oral squamous cancer cells and xenograft. Biomaterials, 2015, 53, 274-284.	11.4	39
22	Dominant Role of Peroxiredoxin/JNK Axis in Stemness Regulation During Neurogenesis from Embryonic Stem Cells. Stem Cells, 2014, 32, 998-1011.	3.2	37
23	Characterization of the murine gene encoding 1-Cys peroxiredoxin and identification of highly homologous genes. Gene, 1999, 234, 337-344.	2.2	36
24	Antioxidative Role of Selenoprotein W in Oxidant-Induced Mouse Embryonic Neuronal Cell Death. Molecules and Cells, 2009, 27, 609-614.	2.6	36
25	Overexpression of Extracellular Superoxide Dismutase (EC-SOD) in Mouse Skin Plays a Protective Role in DMBA/TPA-Induced Tumor Formation. Oncology Research, 2005, 15, 333-341.	1.5	33
26	Genetic mapping of six mouse peroxiredoxin genes and fourteen peroxiredoxin related sequences. Mammalian Genome, 1999, 10, 1017-1019.	2.2	31
27	NOX1/2 activation in human gingival fibroblasts by Fusobacterium nucleatum facilitates attachment of Porphyromonas gingivalis. Archives of Microbiology, 2016, 198, 573-583.	2.2	30
28	Transcriptome profiling analysis of senescent gingival fibroblasts in response to Fusobacterium nucleatum infection. PLoS ONE, 2017, 12, e0188755.	2.5	30
29	Thyrotropin-Mediated Repression of Class IITrans-Activator Expression in Thyroid Cells: Involvement of STAT3 and Suppressor of Cytokine Signaling. Journal of Immunology, 2003, 171, 616-627.	0.8	29
30	Peroxiredoxin V selectively regulates IL-6 production by modulating the Jak2â€“Stat5 pathway. Free Radical Biology and Medicine, 2013, 65, 270-279.	2.9	27
31	Proteomic Analysis of Protein Expression Affected by Peroxiredoxin V Knock-Down in Hypoxic Kidney. Journal of Proteome Research, 2010, 9, 4003-4015.	3.7	26
32	High-Level Expression of Human Lactoferrin in Milk of Transgenic Mice Using Genomic Lactoferrin Sequence. Journal of Biochemistry, 1999, 126, 320-325.	1.7	25
33	Molecular Cloning and Characterization of the Mouse Peroxiredoxin V Gene. Biochemical and Biophysical Research Communications, 2000, 270, 356-362.	2.1	24
34	Salvia plebeia R.Br. inhibits signal transduction of IL-6 and prevents ovariectomy-induced bone loss by suppressing osteoclastogenesis. Archives of Pharmacal Research, 2016, 39, 1671-1681.	6.3	22
35	A key metabolic integrator, coenzyme A, modulates the activity of peroxiredoxin 5 via covalent modification. Molecular and Cellular Biochemistry, 2019, 461, 91-102.	3.1	22
36	Polymorphic sequence of Korean Native goat lactoferrin exhibiting greater antibacterial activity. Animal Genetics, 1997, 28, 367-369.	1.7	21

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37	In Vivo Efficacy of the Combination of Ciprofloxacin and Cefotaxime against Vibrio vulnificus Sepsis. PLoS ONE, 2014, 9, e101118.	2.5	20
38	Immune response induced by ppGpp-defective Salmonella enterica serovar Gallinarum in chickens. Journal of Microbiology, 2010, 48, 674-681.	2.8	19
39	Comparative Proteomic Analysis of Cysteine Oxidation in Colorectal Cancer Patients. Molecules and Cells, 2013, 35, 533-542.	2.6	19
40	Comparative proteomic analysis for the insoluble fractions of colorectal cancer patients. Journal of Proteomics, 2012, 75, 3639-3653.	2.4	18
41	Role of transcription factor Sp1 in the 4-O-methylhonokiol-mediated apoptotic effect on oral squamous cancer cells and xenograft. International Journal of Biochemistry and Cell Biology, 2015, 64, 287-297.	2.8	18
42	Hepatic steatosis in transgenic mice overexpressing human histone deacetylase 1. Biochemical and Biophysical Research Communications, 2005, 330, 461-466.	2.1	17
43	Proteomic Analysis of Gingival Tissue and Alveolar Bone during Alveolar Bone Healing. Molecular and Cellular Proteomics, 2013, 12, 2674-2688.	3.8	17
44	Novel Radiolytic Rotenone Derivative, Rotenoisin B with Potent Anti-Carcinogenic Activity in Hepatic Cancer Cells. International Journal of Molecular Sciences, 2015, 16, 16806-16815.	4.1	17
45	The analysis of antioxidant expression during muscle atrophy induced by hindlimb suspension in mice. Journal of Physiological Sciences, 2017, 67, 121-129.	2.1	17
46	Resveratrol enhances bone formation by modulating inflammation in the mouse periodontitis model. Journal of Periodontal Research, 2021, 56, 735-745.	2.7	17
47	Differential Matrix Metalloprotease (MMP) Expression Profiles Found in Aged Gingiva. PLoS ONE, 2016, 11, e0158777.	2.5	17
48	Characterization of mouse peroxiredoxin I genomic DNA and its expression. Gene, 1999, 239, 243-250.	2.2	16
49	Peroxiredoxin I deficiency attenuates phagocytic capacity of macrophage in clearance of the red blood cells damaged by oxidative stress. BMB Reports, 2012, 45, 560-564.	2.4	15
50	Neoplastic transformation and tumorigenesis associated with overexpression of imup-1 and imup-2 genes in cultured NIH/3T3 mouse fibroblasts. Biochemical and Biophysical Research Communications, 2006, 349, 995-1002.	2.1	14
51	Caveolinâ€1 serves as a negative effector in senescent human gingival fibroblasts during Fusobacterium nucleatum infection. Molecular Oral Microbiology, 2017, 32, 236-249.	2.7	14
52	Redox Regulation of the Tumor Suppressor PTEN by Hydrogen Peroxide and Tert-Butyl Hydroperoxide. International Journal of Molecular Sciences, 2017, 18, 982.	4.1	13
53	Inhibitory Effects of 2N1HIA (2-(3-(2-Fluoro-4-Methoxyphenyl)-6-Oxo-1(6H)-Pyridazinyl)-N-1H-Indol-5-Ylacetamide) on Osteoclast Differentiation via Suppressing Cathepsin K Expression. Molecules, 2018, 23, 3139.	3.8	13
54	Inhibitory Effects of N-[2-(4-acetyl-1-piperazinyl) phenyl]-2-(2-chlorophenoxy) acetamide on Osteoclast Differentiation In Vitro via the Downregulation of TRAF6. International Journal of Molecular Sciences, 2019, 20, 5196.	4.1	13

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55	PSTP-3,5-Me Inhibits Osteoclast Differentiation and Bone Resorption. Molecules, 2019, 24, 3346.	3.8	13
56	The role of peroxiredoxin III on late stage of proerythrocyte differentiation. Biochemical and Biophysical Research Communications, 2007, 359, 1030-1036.	2.1	12
57	Inâ€depth analysis of cysteine oxidation by the RBC proteome: Advantage of peroxiredoxin II knockout mice. Proteomics, 2012, 12, 101-112.	2.2	12
58	Interaction of peroxiredoxin V with dihydrolipoamide branched chain transacylase E2 (DBT) in mouse kidney under hypoxia. Proteome Science, 2015, 13, 4.	1.7	12
59	Litsea japonica Leaf Extract Suppresses Proinflammatory Cytokine Production in Periodontal Ligament Fibroblasts Stimulated with Oral Pathogenic Bacteria or Interleukin-1Î². International Journal of Molecular Sciences, 2018, 19, 2494.	4.1	12
60	DPIE [2-(1,2-diphenyl-1H-indol-3-yl)ethanamine] Augments Pro-Inflammatory Cytokine Production in IL-1Î²-Stimulated Primary Human Oral Cells. International Journal of Molecular Sciences, 2018, 19, 1835.	4.1	12
61	Regulator of G-Protein Signaling 4 (RGS4) Controls Morphine Reward by Glutamate Receptor Activation in the Nucleus Accumbens of Mouse Brain. Molecules and Cells, 2018, 41, 454-464.	2.6	12
62	The suppression of zfpm-1 accelerates the erythropoietic differentiation of human CD34+ cells. Biochemical and Biophysical Research Communications, 2007, 353, 978-984.	2.1	11
63	The Role of Peroxiredoxin V in (â^')-Epigallocatechin 3-gallate-Induced Multiple Myeloma Cell Death. Oncology Research, 2011, 19, 391-398.	1.5	11
64	PMSA prevents osteoclastogenesis and estrogen-dependent bone loss in mice. Bone, 2021, 142, 115707.	2.9	11
65	BCPA {N,Nâ€²-1,4-Butanediylbis[3-(2-chlorophenyl)acrylamide]} Inhibits Osteoclast Differentiation through Increased Retention of Peptidyl-Prolyl cis-trans Isomerase Never in Mitosis A-Interacting 1. International Journal of Molecular Sciences, 2018, 19, 3436.	4.1	10
66	Gene expression profiling related to the enhanced erythropoiesis in mouse bone marrow cells. Journal of Cellular Biochemistry, 2008, 104, 295-303.	2.6	9
67	Peroxiredoxin V (PrdxV) negatively regulates EGFR/Stat3-mediated fibrogenesis via a Cys48-dependent interaction between PrdxV and Stat3. Scientific Reports, 2019, 9, 8751.	3.3	9
68	Orchiectomy reduces hepatotumorigenesis of H-ras12V transgenic mice via the MAPK pathway. Life Sciences, 2006, 79, 1974-1980.	4.3	8
69	Effects of oleanolic acid acetate on bone formation in an experimental periodontitis model in mice. Journal of Periodontal Research, 2019, 54, 533-545.	2.7	8
70	Nucleotide sequence and structure of the mouse carbonic anhydrase III gene. Gene, 2001, 265, 37-44.	2.2	7
71	Transgenic expression of Korean type hepatitis C virus core protein and related mutants in mice. Experimental and Molecular Medicine, 2004, 36, 588-593.	7.7	6
72	Differential expression of immunologic proteins in gingiva after socket preservation in mini pigs. Journal of Applied Oral Science, 2015, 23, 187-195.	1.8	6

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73	Osmunda japonica Extract Suppresses Pro-Inflammatory Cytokines by Downregulating NF-ÎºB Activation in Periodontal Ligament Fibroblasts Infected with Oral Pathogenic Bacteria. International Journal of Molecular Sciences, 2020, 21, 2453.	4.1	6
74	Blastocyst viability and generation of transgenic cattle following freezing of in vitro produced, DNA-injected embryos. Animal Reproduction Science, 2000, 63, 53-63.	1.5	4
75	Phenyl 2â€pyridyl ketoxime induces cellular senescenceâ€like alterations via nitric oxide production in human diploid fibroblasts. Aging Cell, 2016, 15, 245-255.	6.7	4
76	2-NPPA Mitigates Osteoclastogenesis via Reducing TRAF6-Mediated c-fos Expression. Frontiers in Pharmacology, 2020, 11, 599081.	3.5	4
77	Effect of intermittent and stepwise administration of a beta-adrenergic agonist, L644,969, on rat growth performance and skeletal muscles. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1995, 110, 127-132.	0.5	3
78	The functional role of UBA1 cysteine-278 in ubiquitination. Biochemical and Biophysical Research Communications, 2012, 427, 587-592.	2.1	3
79	Modification of cysteine 457 in plakoglobin modulates the proliferation and migration of colorectal cancer cells by altering binding to E-cadherin/catenins. Redox Report, 2017, 22, 272-281.	4.5	3
80	Effects of EHS matrix on expression of transgenes in HC11 cells. In Vitro Cellular and Developmental Biology - Animal, 1996, 32, 454-456.	1.5	2
81	DMBA/TPA-Induced Tumor Formation Is Aggravated in Human Papillomavirus Type 16 E6/E7 Transgenic Mouse Skin. Oncology Research, 2006, 16, 325-332.	1.5	2
82	Parthenogenetic Induction of Canine Oocytes by Electrical Stimulation and Caâ€EDTA. Reproduction in Domestic Animals, 2009, 44, 740-744.	1.4	2
83	Pem renders tumor cells resistant to apoptotic cell death induced by a CD8+ T cell-mediated immune response or anticancer drug treatment. Cancer Letters, 2010, 293, 181-188.	7.2	2
84	N-[2-(4-Acetyl-1-Piperazinyl)Phenyl]-2-(3-Methylphenoxy)Acetamide (NAPMA) Inhibits Osteoclast Differentiation and Protects against Ovariectomy-Induced Osteoporosis. Molecules, 2020, 25, 4855.	3.8	2
85	Effective Production of Microinjectable Blastocysts for Germ-Line Transmission of Embryonic Stem Cells. Experimental Animals, 2004, 53, 475-477.	1.1	1
86	Characterization of a brain tumor cell line established from transgenic mice expressing the vasopressin SV-40 T antigen. Experimental and Molecular Medicine, 2006, 38, 196-202.	7.7	1
87	Involvement of peroxiredoxin 2 in cumulus expansion and oocyte maturation in mice. Reproduction, Fertility and Development, 2020, 32, 783.	0.4	1
88	N â€[2â€(4â€benzoylâ€1â€piperazinyl)phenyl]â€2â€(4â€chlorophenoxy) acetamide is a novel inhibitor of resorptive bone loss in mice. Journal of Cellular and Molecular Medicine, 2021, 25, 1425-1438.	3.6	1
89	Identification of Novel Genes for Cell Fusion during Osteoclast Formation. International Journal of Molecular Sciences, 2022, 23, 6421.	4.1	1
90	Synthesis of DPIE [2-(1,2-Diphenyl-1H-indol-3-yl)ethanamine] Derivatives and Their Regulatory Effects on Pro-Inflammatory Cytokine Production in IL-1Î²-Stimulated Primary Human Oral Cells. Molecules, 2022, 27, 899.	3.8	0