

De-Pei Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

122
papers

4,644
citations

39
h-index

65
g-index

127
ext. papers

5,323
ext. citations

7.8
avg, IF

5.16
L-index

#	Paper	IF	Citations
122	Proteomic and phosphoproteomic profiling of COVID-19-associated lung and liver injury: a report based on rhesus macaques.. <i>Signal Transduction and Targeted Therapy</i> , 2022 , 7, 27	21	1
121	Nrf2 expands the intracellular pool of the chaperone AHSP in a cellular model of β -thalassemia.. <i>Redox Biology</i> , 2022 , 50, 102239	11.3	1
120	Short-Chain Enoyl-CoA Hydratase Mediates Histone Crotonylation and Contributes to Cardiac Homeostasis. <i>Circulation</i> , 2021 , 143, 1066-1069	16.7	8
119	Transcriptional silencing of fetal hemoglobin expression by NonO. <i>Nucleic Acids Research</i> , 2021 , 49, 9711-9723	12.1	1
118	Targeting senescent cells for vascular aging and related diseases. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 162, 43-52	5.8	1
117	Metagenomic profiling of the pro-inflammatory gut microbiota in ankylosing spondylitis. <i>Journal of Autoimmunity</i> , 2020 , 107, 102360	15.5	37
116	The cyclooxygenase-1/mPGES-1/endothelial prostaglandin EP4 receptor pathway constrains myocardial ischemia-reperfusion injury. <i>Nature Communications</i> , 2019 , 10, 1888	17.4	30
115	Caloric Restriction Induces MicroRNAs to Improve Mitochondrial Proteostasis. <i>IScience</i> , 2019 , 17, 155-166	11.1	20
114	Diurnal oscillations of endogenous HO sustained by p66 regulate circadian clocks. <i>Nature Cell Biology</i> , 2019 , 21, 1553-1564	23.4	43
113	Sirt6 regulates efficiency of mouse somatic reprogramming and maintenance of pluripotency. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 9	8.3	12
112	Gene-edited babies: Chinese Academy of Medical Sciences response and action. <i>Lancet, The</i> , 2019 , 393, 25-26	40	22
111	Mouse macrophage specific knockout of SIRT1 influences macrophage polarization and promotes angiotensin II-induced abdominal aortic aneurysm formation. <i>Journal of Genetics and Genomics</i> , 2018 , 45, 25-32	4	27
110	Applications of Virus Vector-Mediated Gene Therapy in China. <i>Human Gene Therapy</i> , 2018 , 29, 98-109	4.8	3
109	Protective Role of mPGES-1 (Microsomal Prostaglandin E Synthase-1)-Derived PGE (Prostaglandin E) and the Endothelial EP4 (Prostaglandin E Receptor) in Vascular Responses to Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 1115-1124	9.4	17
108	Epigenetic Regulation of Vascular Aging and Age-Related Vascular Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1086, 55-75	3.6	25
107	Loss of Endothelial CXCR7 Impairs Vascular Homeostasis and Cardiac Remodeling After Myocardial Infarction: Implications for Cardiovascular Drug Discovery. <i>Circulation</i> , 2017 , 135, 1253-1264	16.7	50
106	Long noncoding RNA LINC00305 promotes inflammation by activating the AHRR-NF- κ B pathway in human monocytes. <i>Scientific Reports</i> , 2017 , 7, 46204	4.9	39

105	The Paraoxonase Gene Cluster Protects Against Abdominal Aortic Aneurysm Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 291-300	9.4	13
104	Associations Between Genetic Variants of NADPH Oxidase-Related Genes and Blood Pressure Responses to Dietary Sodium Intervention: The GenSalt Study. <i>American Journal of Hypertension</i> , 2017 , 30, 427-434	2.3	12
103	Tryptophan-Derived 3-Hydroxyanthranilic Acid Contributes to Angiotensin II-Induced Abdominal Aortic Aneurysm Formation in Mice In Vivo. <i>Circulation</i> , 2017 , 136, 2271-2283	16.7	35
102	SIRT2 Acts as a Cardioprotective Deacetylase in Pathological Cardiac Hypertrophy. <i>Circulation</i> , 2017 , 136, 2051-2067	16.7	127
101	Epigenetic regulation in cell senescence. <i>Journal of Molecular Medicine</i> , 2017 , 95, 1257-1268	5.5	23
100	Enoyl-CoA hydratase-1 regulates mTOR signaling and apoptosis by sensing nutrients. <i>Nature Communications</i> , 2017 , 8, 464	17.4	27
99	Mitochondrial Sirtuins in cardiometabolic diseases. <i>Clinical Science</i> , 2017 , 131, 2063-2078	6.5	48
98	SIRT4 accelerates Ang II-induced pathological cardiac hypertrophy by inhibiting manganese superoxide dismutase activity. <i>European Heart Journal</i> , 2017 , 38, 1389-1398	9.5	101
97	Epigenetic regulation of NKG2D ligands is involved in exacerbated atherosclerosis development in Sirt6 heterozygous mice. <i>Scientific Reports</i> , 2016 , 6, 23912	4.9	25
96	Age-Associated Sirtuin 1 Reduction in Vascular Smooth Muscle Links Vascular Senescence and Inflammation to Abdominal Aortic Aneurysm. <i>Circulation Research</i> , 2016 , 119, 1076-1088	15.7	130
95	SIRT1 deacetylates the cardiac transcription factor Nkx2.5 and inhibits its transcriptional activity. <i>Scientific Reports</i> , 2016 , 6, 36576	4.9	23
94	The long noncoding RNA Gm15055 represses Hoxa gene expression by recruiting PRC2 to the gene cluster. <i>Nucleic Acids Research</i> , 2016 , 44, 2613-27	20.1	32
93	Netrin-1 suppresses the MEK/ERK pathway and ITGB4 in pancreatic cancer. <i>Oncotarget</i> , 2016 , 7, 24719-333	3.3	33
92	Human paraoxonase gene cluster overexpression alleviates angiotensin II-induced cardiac hypertrophy in mice. <i>Science China Life Sciences</i> , 2016 , 59, 1115-1122	8.5	11
91	Calorie restriction protects against experimental abdominal aortic aneurysms in mice. <i>Journal of Experimental Medicine</i> , 2016 , 213, 2473-2488	16.6	38
90	Suppression of Mic60 compromises mitochondrial transcription and oxidative phosphorylation. <i>Scientific Reports</i> , 2015 , 5, 7990	4.9	38
89	Both TALENs and CRISPR/Cas9 directly target the HBB IVS2-654 (C > T) mutation in β -thalassemia-derived iPSCs. <i>Scientific Reports</i> , 2015 , 5, 12065	4.9	109
88	Genome-wide linkage and positional association analyses identify associations of novel AFF3 and NTM genes with triglycerides: the GenSalt study. <i>Journal of Genetics and Genomics</i> , 2015 , 42, 107-17	4	9

87	Sox2 Deacetylation by Sirt1 Is Involved in Mouse Somatic Reprogramming. <i>Stem Cells</i> , 2015 , 33, 2135-47	5.8	28
86	Interferon regulatory factor 9 is a key mediator of hepatic ischemia/reperfusion injury. <i>Journal of Hepatology</i> , 2015 , 62, 111-20	13.4	52
85	The Four Layers of Aging. <i>Cell Systems</i> , 2015 , 1, 180-6	10.6	32
84	Regulation of Cell Cycle Regulators by SIRT1 Contributes to Resveratrol-Mediated Prevention of Pulmonary Arterial Hypertension. <i>BioMed Research International</i> , 2015 , 2015, 762349	3	17
83	SIRT1-mediated epigenetic downregulation of plasminogen activator inhibitor-1 prevents vascular endothelial replicative senescence. <i>Aging Cell</i> , 2014 , 13, 890-9	9.9	57
82	CTCF controls HOXA cluster silencing and mediates PRC2-repressive higher-order chromatin structure in NT2/D1 cells. <i>Molecular and Cellular Biology</i> , 2014 , 34, 3867-79	4.8	25
81	The involvement of NFAT transcriptional activity suppression in SIRT1-mediated inhibition of COX-2 expression induced by PMA/Ionomycin. <i>PLoS ONE</i> , 2014 , 9, e97999	3.7	21
80	Interferon regulatory factor 9 is critical for neointima formation following vascular injury. <i>Nature Communications</i> , 2014 , 5, 5160	17.4	43
79	A critical role for interferon regulatory factor 9 in cerebral ischemic stroke. <i>Journal of Neuroscience</i> , 2014 , 34, 11897-912	6.6	41
78	Overexpression of mitofilin in the mouse heart promotes cardiac hypertrophy in response to hypertrophic stimuli. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 1693-707	8.4	11
77	Interferon regulatory factor 3 constrains IKK/NF- κ B signaling to alleviate hepatic steatosis and insulin resistance. <i>Hepatology</i> , 2014 , 59, 870-85	11.2	104
76	Mitochondria, endothelial cell function, and vascular diseases. <i>Frontiers in Physiology</i> , 2014 , 5, 175	4.6	203
75	Variation in genes that regulate blood pressure are associated with glomerular filtration rate in Chinese. <i>PLoS ONE</i> , 2014 , 9, e92468	3.7	7
74	Overexpression of SIRT1 in vascular smooth muscle cells attenuates angiotensin II-induced vascular remodeling and hypertension in mice. <i>Journal of Molecular Medicine</i> , 2014 , 92, 347-57	5.5	77
73	SIRT1 upregulators from high-throughput screening as anti-proliferation and anti-migration agents in vascular smooth muscle cells (654.2). <i>FASEB Journal</i> , 2014 , 28, 654.2	0.9	
72	Lysine-specific demethylase 1 represses THP-1 monocyte-to-macrophage differentiation. <i>Chinese Medical Sciences Journal</i> , 2013 , 28, 82-7	1.3	6
71	Cross-talk between SIRT1 and p66Shc in vascular diseases. <i>Trends in Cardiovascular Medicine</i> , 2013 , 23, 237-41	6.9	41
70	SIRT1 mediates the protective function of Nkx2.5 during stress in cardiomyocytes. <i>Basic Research in Cardiology</i> , 2013 , 108, 364	11.8	18

69	The human paraoxonase gene cluster as a target in the treatment of atherosclerosis. <i>Antioxidants and Redox Signaling</i> , 2012 , 16, 597-632	8.4	57
68	The AT-rich DNA-binding protein SATB2 promotes expression and physical association of human (G)ϵ and (A)ϵ globin genes. <i>Journal of Biological Chemistry</i> , 2012 , 287, 30641-52	5.4	21
67	Mitofilin regulates cytochrome c release during apoptosis by controlling mitochondrial cristae remodeling. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 428, 93-8	3.4	42
66	SIRT1 deacetylates SATB1 to facilitate MAR HS2-MAR ϳ interaction and promote ϳ globin expression. <i>Nucleic Acids Research</i> , 2012 , 40, 4804-15	20.1	17
65	Sirt1 deacetylates c-Myc and promotes c-Myc/Max association. <i>International Journal of Biochemistry and Cell Biology</i> , 2011 , 43, 1573-81	5.6	71
64	Positive regulation of hepatic miR-122 expression by HNF4ϳ. <i>Journal of Hepatology</i> , 2011 , 55, 602-611	13.4	103
63	Repression of P66Shc expression by SIRT1 contributes to the prevention of hyperglycemia-induced endothelial dysfunction. <i>Circulation Research</i> , 2011 , 109, 639-48	15.7	209
62	Modulations of hMOF autoacetylation by SIRT1 regulate hMOF recruitment and activities on the chromatin. <i>Cell Research</i> , 2011 , 21, 1182-95	24.7	48
61	SIRT1 acts as a modulator of neointima formation following vascular injury in mice. <i>Circulation Research</i> , 2011 , 108, 1180-9	15.7	138
60	The histone trimethyllysine demethylase JMJD2A promotes cardiac hypertrophy in response to hypertrophic stimuli in mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2447-56	15.9	145
59	SIRT1 suppresses activator protein-1 transcriptional activity and cyclooxygenase-2 expression in macrophages. <i>Journal of Biological Chemistry</i> , 2010 , 285, 7097-110	5.4	150
58	Involvement of the p65/RelA subunit of NF-kappaB in TNF-alpha-induced SIRT1 expression in vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 397, 569-75	3.4	43
57	Gaussia luciferase reporter assay for assessment of gene delivery systems in vivo. <i>Chinese Medical Sciences Journal</i> , 2010 , 25, 95-9	1.3	4
56	Epigenetic repression of SATB1 by polycomb group protein EZH2 in epithelial cells. <i>Chinese Medical Sciences Journal</i> , 2010 , 25, 199-205	1.3	2
55	Regulation of acyl-coenzyme A: cholesterol acyltransferase 2 expression by saturated fatty acids. <i>Chinese Medical Sciences Journal</i> , 2010 , 25, 222-7	1.3	5
54	Genetic variants in the ADD1 and GNB3 genes and blood pressure response to potassium supplementation. <i>Frontiers of Medicine in China</i> , 2010 , 4, 59-66		1
53	Cell death caused by single-stranded oligodeoxynucleotide-mediated targeted genomic sequence modification. <i>Oligonucleotides</i> , 2009 , 19, 281-6		4
52	Human paraoxonase gene cluster transgenic overexpression represses atherogenesis and promotes atherosclerotic plaque stability in ApoE-null mice. <i>Circulation Research</i> , 2009 , 104, 1160-8	15.7	50

51	SATB1 regulates beta-like globin genes through matrix related nuclear relocation of the cluster. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 383, 11-5	3.4	9
50	Inter-MAR association contributes to transcriptionally active looping events in human beta-globin gene cluster. <i>PLoS ONE</i> , 2009 , 4, e4629	3.7	29
49	Cluster specific regulation pattern of upstream regulatory elements in human alpha- and beta-globin gene clusters. <i>Experimental Cell Research</i> , 2008 , 314, 115-22	4.2	3
48	MafK/NF-E2 p18 is required for beta-globin genes activation by mediating the proximity of LCR and active beta-globin genes in MEL cell line. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 1481-93	5.6	13
47	Improvement of SSO-mediated gene repair efficiency by nonspecific oligonucleotides. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 376, 74-9	3.4	1
46	Endothelium-specific overexpression of class III deacetylase SIRT1 decreases atherosclerosis in apolipoprotein E-deficient mice. <i>Cardiovascular Research</i> , 2008 , 80, 191-9	9.9	305
45	Double-stranded break can be repaired by single-stranded oligonucleotides via the ATM/ATR pathway in mammalian cells. <i>Oligonucleotides</i> , 2008 , 18, 21-32		17
44	The apolipoprotein CIII enhancer regulates both extensive histone modification and intergenic transcription of human apolipoprotein AI/CIII/AIV genes but not apolipoprotein AV. <i>Journal of Biological Chemistry</i> , 2008 , 283, 28436-44	5.4	6
43	Highly efficient deletion method for the engineering of plasmid DNA with single-stranded oligonucleotides. <i>BioTechniques</i> , 2008 , 44, 217-20, 222, 224	2.5	2
42	Identification of long range regulatory elements of mouse alpha-globin gene cluster by quantitative associated chromatin trap (QACT). <i>Journal of Cellular Biochemistry</i> , 2008 , 105, 301-12	4.7	4
41	Exploring cellular memory molecules marking competent and active transcriptions. <i>BMC Molecular Biology</i> , 2007 , 8, 31	4.5	23
40	A20 attenuates vascular smooth muscle cell proliferation and migration through blocking PI3k/Akt signaling in vitro and in vivo. <i>Journal of Biomedical Science</i> , 2007 , 14, 357-71	13.3	30
39	Unravelling the world of cis-regulatory elements. <i>Medical and Biological Engineering and Computing</i> , 2007 , 45, 709-18	3.1	10
38	Overexpression of myofibrillogenesis regulator-1 aggravates cardiac hypertrophy induced by angiotensin II in mice. <i>Hypertension</i> , 2007 , 49, 1399-408	8.5	46
37	Targeted cardiac overexpression of A20 improves left ventricular performance and reduces compensatory hypertrophy after myocardial infarction. <i>Circulation</i> , 2007 , 115, 1885-94	16.7	86
36	Mechanisms of human gamma-globin transcriptional induction by apicidin involves p38 signaling to chromatin. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 363, 889-94	3.4	17
35	Epigallocatechin-3 gallate inhibits cardiac hypertrophy through blocking reactive oxidative species-dependent and -independent signal pathways. <i>Free Radical Biology and Medicine</i> , 2006 , 40, 1756-75	7.8	110
34	A20 inhibits oxidized low-density lipoprotein-induced apoptosis through negative Fas/Fas ligand-dependent activation of caspase-8 and mitochondrial pathways in murine RAW264.7 macrophages. <i>Journal of Cellular Physiology</i> , 2006 , 208, 307-18	7	38

33	Active chromatin hub of the mouse alpha-globin locus forms in a transcription factory of clustered housekeeping genes. <i>Molecular and Cellular Biology</i> , 2006 , 26, 5096-105	4.8	97
32	Single-stranded oligonucleotide-mediated gene repair in mammalian cells has a mechanism distinct from homologous recombination repair. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 350, 568-73	3.4	10
31	Gene order in human alpha-globin locus is required for their temporal specific expressions. <i>Genes To Cells</i> , 2006 , 11, 123-31	2.3	5
30	A conserved, extended chromatin opening within alpha-globin locus during development. <i>Experimental Cell Research</i> , 2005 , 309, 174-84	4.2	8
29	Targeted correction of a chromosomal point mutation by modified single-stranded oligonucleotides in a GFP recovery system. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 334, 1032-41	3.4	16
28	High fidelity screening of regulatory sequences in apolipoprotein(a)-plasminogen cluster. <i>International Journal of Biochemistry and Cell Biology</i> , 2005 , 37, 1846-57	5.6	2
27	A general method to modify BACs to generate large recombinant DNA fragments. <i>Molecular Biotechnology</i> , 2005 , 31, 181-6	3	5
26	Knockdown of human p53 gene expression in 293-T cells by retroviral vector-mediated short hairpin RNA. <i>Acta Biochimica Et Biophysica Sinica</i> , 2005 , 37, 779-83	2.8	7
25	Isorhapontigenin, a new resveratrol analog, attenuates cardiac hypertrophy via blocking signaling transduction pathways. <i>Free Radical Biology and Medicine</i> , 2005 , 38, 243-57	7.8	87
24	Remembering the cell fate during cellular differentiation. <i>Journal of Cellular Biochemistry</i> , 2005 , 96, 962-70	7.9	8
23	Memory mechanisms of active transcription during cell division. <i>BioEssays</i> , 2005 , 27, 1239-45	4.1	10
22	The role of small RNAs in human diseases: potential troublemaker and therapeutic tools. <i>Medicinal Research Reviews</i> , 2005 , 25, 361-81	14.4	46
21	Increased efficiency of oligonucleotide-mediated gene repair through slowing replication fork progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 2508-13	11.5	55
20	Knockdown of mouse adult beta-globin gene expression in MEL cells by retrovirus vector-mediated RNA interference. <i>Molecular Biotechnology</i> , 2004 , 28, 195-9	3	4
19	Challenges and strategies: the immune responses in gene therapy. <i>Medicinal Research Reviews</i> , 2004 , 24, 748-61	14.4	72
18	No existence of translocus balancer to coordinate the expression and regulation of human hemoglobin genes in transgenic mice study. <i>International Journal of Biochemistry and Cell Biology</i> , 2004 , 36, 1261-5	5.6	2
17	Retrovirus vector-mediated stable gene silencing in human cell. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 313, 716-20	3.4	35
16	Charting gene regulatory networks: strategies, challenges and perspectives. <i>Biochemical Journal</i> , 2004 , 381, 1-12	3.8	61

15	Evaluation of optimal expression cassette in retrovirus vector for beta-thalassemia gene therapy. <i>Molecular Biotechnology</i> , 2003 , 24, 127-40	3	4
14	MicroRNAs: key participants in gene regulatory networks. <i>Current Opinion in Chemical Biology</i> , 2003 , 7, 516-23	9.7	104
13	Finding regulatory sequences. <i>International Journal of Biochemistry and Cell Biology</i> , 2003 , 35, 95-103	5.6	3
12	Identification of factors influencing strand bias in oligonucleotide-mediated recombination in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2003 , 31, 6674-87	20.1	84
11	The control of expression of the alpha-globin gene cluster. <i>International Journal of Hematology</i> , 2002 , 76, 420-6	2.3	6
10	Efficient isolation of regulatory sequences from human genome and BAC DNA. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 290, 1079-83	3.4	4
9	Screening regulatory sequences from bacterial artificial chromosome DNA of alpha- and beta-globin gene clusters. <i>Biochemistry and Cell Biology</i> , 2002 , 80, 415-20	3.6	2
8	A fast and efficient method for isolation of the BAC end. <i>Molecular Biotechnology</i> , 2001 , 19, 215-7	3	1
7	Insulator: from chromatin domain boundary to gene regulation. <i>Human Genetics</i> , 2001 , 109, 471-8	6.3	20
6	The regulatory network controlling beta-globin gene switching. <i>Molecular Biology Reports</i> , 2001 , 28, 175-83	2.8	4
5	Targeted correction of the point mutations of beta-thalassemia and targeted mutagenesis of the nucleotide associated with HPFH by RNA/DNA oligonucleotides: potential for beta-thalassemia gene therapy. <i>Blood Cells, Molecules, and Diseases</i> , 2001 , 27, 530-8	2.1	19
4	Both locus control region and proximal regulatory elements direct the developmental regulation of β -globin gene cluster. <i>Journal of Cellular Biochemistry</i> , 2000 , 76, 376-385	4.7	5
3	Proper developmental control of human globin genes reproduced by transgenic mice containing a 160-kb BAC carrying the human beta-globin locus. <i>Blood Cells, Molecules, and Diseases</i> , 2000 , 26, 598-610 ^{2.1}	2.1	27
2	Modified inverse PCR method for cloning the flanking sequences from human cell pools. <i>BioTechniques</i> , 1999 , 27, 660-2	2.5	6
1	Inversion and transposition of Tc1 transposon of <i>C. elegans</i> in mammalian cells. <i>Somatic Cell and Molecular Genetics</i> , 1998 , 24, 363-9		9