

# Song-Kun Shyue

## List of Publications by Year in descending order

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100  
papers

4,734  
citations

76326

40  
h-index

106344

65  
g-index

101  
all docs

101  
docs citations

101  
times ranked

6512  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adenovirus-Mediated Heme Oxygenase-1 Gene Transfer Inhibits the Development of Atherosclerosis in Apolipoprotein E-deficient Mice. <i>Circulation</i> , 2001, 104, 1519-1525.	1.6	315
2	Emodin induces apoptosis in human lung adenocarcinoma cells through a reactive oxygen species-dependent mitochondrial signaling pathway. <i>Biochemical Pharmacology</i> , 2005, 70, 229-241.	4.4	243
3	Bcl-xL Augmentation Potentially Reduces Ischemia/Reperfusion Induced Proximal and Distal Tubular Apoptosis and Autophagy. <i>Transplantation</i> , 2007, 84, 1183-1190.	1.0	132
4	Molecular mechanism of curcumin on the suppression of cholesterol accumulation in macrophage foam cells and atherosclerosis. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 691-701.	3.3	128
5	15d-Prostaglandin J <sub>2</sub> Protects Brain From Ischemia-Reperfusion Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 481-487.	2.4	124
6	Weak male-driven molecular evolution in rodents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 827-831.	7.1	115
7	Molecular mechanisms of activation of endothelial nitric oxide synthase mediated by transient receptor potential vanilloid type 1. <i>Cardiovascular Research</i> , 2011, 91, 492-501.	3.8	115
8	Ligand-Activated Peroxisome Proliferator-activated Receptor- $\beta$ Protects Against Ischemic Cerebral Infarction and Neuronal Apoptosis by 14-3-3 $\mu$ Upregulation. <i>Circulation</i> , 2009, 119, 1124-1134.	1.6	114
9	Adenovirus-Mediated bcl-2 Gene Transfer Inhibits Renal Ischemia/Reperfusion Induced Tubular Oxidative Stress and Apoptosis. <i>American Journal of Transplantation</i> , 2005, 5, 1194-1203.	4.7	108
10	Origins and antiquity of X-linked triallelic color vision systems in New World monkeys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 13749-13754.	7.1	101
11	Superoxide Dismutase Inhibits the Expression of Vascular Cell Adhesion Molecule-1 and Intracellular Cell Adhesion Molecule-1 Induced by Tumor Necrosis Factor- $\alpha$ in Human Endothelial Cells Through the JNK/p38 Pathways. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 334-340.	2.4	99
12	Adaptive evolution of color vision genes in higher primates. <i>Science</i> , 1995, 269, 1265-1267.	12.6	97
13	Colocalization and Interaction of Cyclooxygenase-2 with Caveolin-1 in Human Fibroblasts. <i>Journal of Biological Chemistry</i> , 2001, 276, 34975-34982.	3.4	82
14	$\beta$ Common receptor integrates the erythropoietin signaling in activation of endothelial nitric oxide synthase. <i>Journal of Cellular Physiology</i> , 2011, 226, 3330-3339.	4.1	79
15	Colocalization of Prostacyclin Synthase with Prostaglandin H Synthase-1 (PGHS-1) but Not Phorbol Ester-induced PGHS-2 in Cultured Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 15314-15320.	3.4	78
16	Maternal exposure to di-(2-ethylhexyl) phthalate exposure deregulates blood pressure, adiposity, cholesterol metabolism and social interaction in mouse offspring. <i>Archives of Toxicology</i> , 2016, 90, 1211-1224.	4.2	78
17	Role of transient receptor potential ankyrin 1 channels in Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2016, 13, 92.	7.2	77
18	Cyclooxygenase-1 and Bicistronic Cyclooxygenase-1/Prostacyclin Synthase Gene Transfer Protect Against Ischemic Cerebral Infarction. <i>Circulation</i> , 2002, 105, 1962-1969.	1.6	76

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19	Adenovirus-mediated overexpression of catalase attenuates oxLDL-induced apoptosis in human aortic endothelial cells via AP-1 and C-Jun N-terminal kinase/extracellular signal-regulated kinase mitogen-activated protein kinase pathways. <i>Journal of Molecular and Cellular Cardiology</i> , 2004, 36, 129-139.	1.9	76
20	Mitochondrial localization of cyclooxygenase-2 and calcium-independent phospholipase A2 in human cancer cells: Implication in apoptosis resistance. <i>Experimental Cell Research</i> , 2005, 306, 75-84.	2.6	73
21	Essential role of transient receptor potential vanilloid type 1 in evodiamine-mediated protection against atherosclerosis. <i>Acta Physiologica</i> , 2013, 207, 299-307.	3.8	72
22	EGb761 ameliorates the formation of foam cells by regulating the expression of SR-A and ABCA1: role of haem oxygenase-1. <i>Cardiovascular Research</i> , 2010, 88, 415-423.	3.8	68
23	Inhibition of cadmium-induced oxidative injury in rat primary astrocytes by the addition of antioxidants and the reduction of intracellular calcium. <i>Journal of Cellular Biochemistry</i> , 2008, 103, 825-834.	2.6	66
24	Anti-atherogenic effect of berberine on LXRI-dependent ABCA1-dependent cholesterol efflux in macrophages. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 104-110.	2.6	65
25	Caveolin-1 Deletion Reduces Early Brain Injury after Experimental Intracerebral Hemorrhage. <i>American Journal of Pathology</i> , 2011, 178, 1749-1761.	3.8	65
26	Molecular Genetics of Spectral Tuning in New World Monkey Color Vision. <i>Journal of Molecular Evolution</i> , 1998, 46, 697-702.	1.8	64
27	Genetic deletion or pharmacological inhibition of soluble epoxide hydrolase reduces brain damage and attenuates neuroinflammation after intracerebral hemorrhage. <i>Journal of Neuroinflammation</i> , 2017, 14, 230.	7.2	61
28	Valsartan regulates the interaction of angiotensin II type 1 receptor and endothelial nitric oxide synthase via Src/PI3K/Akt signalling. <i>Cardiovascular Research</i> , 2009, 82, 468-475.	3.8	60
29	NO Modulates Monocyte Chemotactic Protein-1 Expression in Endothelial Cells Under Cyclic Strain. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1941-1947.	2.4	59
30	Activation of TRPV1 Prevents OxLDL-Induced Lipid Accumulation and TNF- $\alpha$ -Induced Inflammation in Macrophages: Role of Liver X Receptor. <i>Mediators of Inflammation</i> , 2013, 2013, 1-14.	3.0	57
31	Impaired Cd14 and Cd36 Expression, Bacterial Clearance, and Toll-Like Receptor 4-Myd88 Signaling in Caveolin-1-Deleted Macrophages and Mice. <i>Shock</i> , 2011, 35, 92-99.	2.1	55
32	Stabilization of Hypoxia-inducible Factor-1 $\alpha$ by Prostacyclin under Prolonged Hypoxia via Reducing Reactive Oxygen Species Level in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 36567-36574.	3.4	53
33	The essential role of transient receptor potential vanilloid 1 in simvastatin-induced activation of endothelial nitric oxide synthase and angiogenesis. <i>Acta Physiologica</i> , 2014, 212, 191-204.	3.8	52
34	Transient Receptor Potential Ankyrin 1 Channel Involved in Atherosclerosis and Macrophage-Foam Cell Formation. <i>International Journal of Biological Sciences</i> , 2016, 12, 812-823.	6.4	51
35	Superoxide dismutase and catalase inhibit oxidized low-density lipoprotein-induced human aortic smooth muscle cell proliferation: Role of cell-cycle regulation, mitogen-activated protein kinases, and transcription factors. <i>Atherosclerosis</i> , 2007, 190, 124-134.	0.8	49
36	N-terminal domain of soluble epoxide hydrolase negatively regulates the VEGF-mediated activation of endothelial nitric oxide synthase. <i>Cardiovascular Research</i> , 2012, 93, 120-129.	3.8	49

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37	Selective Augmentation of Prostacyclin Production by Combined Prostacyclin Synthase and Cyclooxygenase-1 Gene Transfer. <i>Circulation</i> , 2001, 103, 2090-2095.	1.6	48
38	Novel role of AMP-activated protein kinase signaling in cigarette smoke induction of IL-8 in human lung epithelial cells and lung inflammation in mice. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1492-1502.	2.9	48
39	Antcin B and Its Ester Derivative from <i>Antrodia camphorata</i> Induce Apoptosis in Hepatocellular Carcinoma Cells Involves Enhancing Oxidative Stress Coincident with Activation of Intrinsic and Extrinsic Apoptotic Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 10943-10954.	5.2	47
40	Implication of AMP-Activated Protein Kinase in Transient Receptor Potential Vanilloid Type 1-Mediated Activation of Endothelial Nitric Oxide Synthase. <i>Molecular Medicine</i> , 2012, 18, 805-815.	4.4	47
41	Induction of Prostacyclin/PGI <sub>2</sub> Synthase Expression After Cerebral Ischemia-“Reperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 491-501.	4.3	41
42	Di-(2-ethylhexyl) phthalate accelerates atherosclerosis in apolipoprotein E-deficient mice. <i>Archives of Toxicology</i> , 2016, 90, 181-190.	4.2	41
43	Deletion or inhibition of soluble epoxide hydrolase protects against brain damage and reduces microglia-mediated neuroinflammation in traumatic brain injury. <i>Oncotarget</i> , 2017, 8, 103236-103260.	1.8	41
44	AMP-activated protein kinase mediates erythropoietin-induced activation of endothelial nitric oxide synthase. <i>Journal of Cellular Physiology</i> , 2012, 227, 3053-3062.	4.1	40
45	Increased Expression of 14-3-3 <sup>σ</sup> Promotes Tumor Progression and Predicts Extrahepatic Metastasis and Worse Survival in Hepatocellular Carcinoma. <i>American Journal of Pathology</i> , 2011, 179, 2698-2708.	3.8	39
46	Prostacyclin Synthase Active Sites. <i>Journal of Biological Chemistry</i> , 1997, 272, 3657-3662.	3.4	37
47	Lineage Differentiation-Associated Loss of Adenoviral Susceptibility and Coxsackie-Adenovirus Receptor Expression in Human Mesenchymal Stem Cells. <i>Stem Cells</i> , 2004, 22, 1321-1329.	3.2	36
48	Activation of TrkB/Akt signaling by a TrkB receptor agonist improves long-term histological and functional outcomes in experimental intracerebral hemorrhage. <i>Journal of Biomedical Science</i> , 2019, 26, 53.	7.0	36
49	Novel Effect of Paeonol on the Formation of Foam Cells: Promotion of LXR-ABCA1-Dependent Cholesterol Efflux in Macrophages. <i>The American Journal of Chinese Medicine</i> , 2013, 41, 1079-1096.	3.8	35
50	Hydrogen peroxide induces loss of dopamine transporter activity: a calcium-dependent oxidative mechanism. <i>Journal of Neurochemistry</i> , 2003, 86, 1247-1259.	3.9	33
51	Bortezomib suppresses focal adhesion kinase expression via interrupting nuclear factor-kappa B. <i>Life Sciences</i> , 2010, 86, 199-206.	4.3	33
52	Cancer Immunotherapy Using a Membrane-bound Interleukin-12 With B7-1 Transmembrane and Cytoplasmic Domains. <i>Molecular Therapy</i> , 2012, 20, 927-937.	8.2	33
53	Dual effect of adenovirus-mediated transfer of BMP7 in mixed neuron-glia cultures: Neuroprotection and cellular differentiation. <i>Journal of Neuroscience Research</i> , 2007, 85, 2950-2959.	2.9	32
54	Caveolin-1 facilitates cyclooxygenase-2 protein degradation. <i>Journal of Cellular Biochemistry</i> , 2010, 109, 356-362.	2.6	32

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55	Activation of soluble guanylyl cyclase prevents foam cell formation and atherosclerosis. <i>Acta Physiologica</i> , 2014, 210, 799-810.	3.8	30
56	14-3-3 $\beta$ induces heat shock protein 70 expression in hepatocellular carcinoma. <i>BMC Cancer</i> , 2014, 14, 425.	2.6	30
57	Atypical Antipsychotic Drug Olanzapine Deregulates Hepatic Lipid Metabolism and Aortic Inflammation and Aggravates Atherosclerosis. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 1216-1229.	1.6	30
58	Deletion of caveolin-1 attenuates LPS/GalNA $\beta$ 1-3Gal $\alpha$ 1-induced acute liver injury in mice. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5573-5582.	3.6	30
59	Wogonin promotes cholesterol efflux by increasing protein phosphatase 2B-dependent dephosphorylation at ATP-binding cassette transporter-A1 in macrophages. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 1015-1021.	4.2	29
60	Role of phosphatase activity of soluble epoxide hydrolase in regulating simvastatin-activated endothelial nitric oxide synthase. <i>Scientific Reports</i> , 2015, 5, 13524.	3.3	27
61	Caveolin-1 Interacts with Derlin-1 and Promotes Ubiquitination and Degradation of Cyclooxygenase-2 via Collaboration with p97 Complex. <i>Journal of Biological Chemistry</i> , 2013, 288, 33462-33469.	3.4	26
62	$\beta$ -Lipoic acid ameliorates foam cell formation via liver X receptor $\beta$ -dependent upregulation of ATP-binding cassette transporters A1 and G1. <i>Free Radical Biology and Medicine</i> , 2011, 50, 47-54.	2.9	25
63	Prior exercise training alleviates the lung inflammation induced by subsequent exposure to environmental cigarette smoke. <i>Acta Physiologica</i> , 2012, 205, 532-540.	3.8	23
64	Transient receptor potential vanilloid type 1 is vital for epigallocatechin gallate mediated activation of endothelial nitric oxide synthase. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 646-657.	3.3	23
65	The GroEL protein of <i>Porphyromonas gingivalis</i> accelerates tumor growth by enhancing endothelial progenitor cell function and neovascularization. <i>Molecular Oral Microbiology</i> , 2015, 30, 198-216.	2.7	23
66	Modulation of inducible nitric oxide synthase induction by prostaglandin E2 in macrophages: distinct susceptibility in murine J774 and RAW 264.7 macrophages. <i>Prostaglandins and Other Lipid Mediators</i> , 1999, 58, 87-101.	1.9	22
67	An efficient transfection method for mouse embryonic stem cells. <i>Gene Therapy</i> , 2009, 16, 154-158.	4.5	22
68	Reduction in antioxidant enzyme expression and sustained inflammation enhance tissue damage in the subacute phase of spinal cord contusive injury. <i>Journal of Biomedical Science</i> , 2011, 18, 13.	7.0	22
69	Regulation of Aldo-keto-reductase family 1 B10 by 14-3-3 $\mu$ and their prognostic impact of hepatocellular carcinoma. <i>Oncotarget</i> , 2015, 6, 38967-38982.	1.8	22
70	Inflammatory Role of AMP-Activated Protein Kinase Signaling in an Experimental Model of Toxic Smoke Inhalation Injury*. <i>Critical Care Medicine</i> , 2013, 41, 120-132.	0.9	21
71	Asymmetric Dimethylarginine Limits the Efficacy of Simvastatin Activating Endothelial Nitric Oxide Synthase. <i>Journal of the American Heart Association</i> , 2016, 5, e003327.	3.7	21
72	Activation of transient receptor potential vanilloid 1 decreases endothelial nitric oxide synthase phosphorylation at Thr497 by protein phosphatase 2B-dependent dephosphorylation of protein kinase C. <i>Acta Physiologica</i> , 2013, 209, 124-135.	3.8	20

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73	Spatial and temporal distribution of Oct-4 and acetylated H4K5 in rabbit embryos. <i>Reproductive BioMedicine Online</i> , 2012, 24, 433-442.	2.4	19
74	Deficiency of Glycine N-Methyltransferase Aggravates Atherosclerosis in Apolipoprotein E-Null Mice. <i>Molecular Medicine</i> , 2012, 18, 744-752.	4.4	19
75	Cordycepin disrupts leukemia association with mesenchymal stromal cells and eliminates leukemia stem cell activity. <i>Scientific Reports</i> , 2017, 7, 43930.	3.3	19
76	ZNF479 downregulates metallothionein-1 expression by regulating ASH2L and DNMT1 in hepatocellular carcinoma. <i>Cell Death and Disease</i> , 2019, 10, 408.	6.3	19
77	Excess nitric oxide impairs liver X receptor $\beta$ -ATP-binding cassette transporter A1-dependent cholesterol efflux in macrophage foam cells. <i>Journal of Cellular Physiology</i> , 2013, 229, n/a-n/a.	4.1	18
78	Implication of Transient Receptor Potential Vanilloid Type 1 in 14,15-Epoxyeicosatrienoic Acid-induced Angiogenesis. <i>International Journal of Biological Sciences</i> , 2014, 10, 990-996.	6.4	18
79	The Association of Caveolin-1 Genotypes with Oral Cancer Susceptibility in Taiwan. <i>Annals of Surgical Oncology</i> , 2011, 18, 1431-1438.	1.5	16
80	Linear correlation between average fluorescence intensity of green fluorescent protein and the multiplicity of infection of recombinant adenovirus. <i>Journal of Biomedical Science</i> , 2015, 22, 31.	7.0	16
81	Cordycepin Suppresses Endothelial Cell Proliferation, Migration, Angiogenesis, and Tumor Growth by Regulating Focal Adhesion Kinase and p53. <i>Cancers</i> , 2019, 11, 168.	3.7	16
82	Association of Caveolin-1 polymorphisms with colorectal cancer susceptibility in Taiwan. <i>World Journal of Gastrointestinal Oncology</i> , 2010, 2, 326.	2.0	16
83	Effect of Enhanced Prostacyclin Synthesis by Adenovirus-Mediated Transfer on Lipopolysaccharide Stimulation in Neuron-Glia Cultures. <i>Annals of the New York Academy of Sciences</i> , 2005, 1042, 338-348.	3.8	14
84	Enhanced Prostacyclin Synthesis by Adenoviral Gene Transfer Reduced Glial Activation and Ameliorated Dopaminergic Dysfunction in Hemiparkinsonian Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-11.	4.0	14
85	Growth arrest DNA damage-inducible gene 45 gamma expression as a prognostic and predictive biomarker in hepatocellular carcinoma. <i>Oncotarget</i> , 2015, 6, 27953-27965.	1.8	14
86	Significant Association of Caveolin-1 Genotypes with Bladder Cancer Susceptibility in Taiwan. <i>Chinese Journal of Physiology</i> , 2011, 54, 153-160.	1.0	13
87	Fibroblasts Drive Metabolic Reprogramming in Pacemaker Cardiomyocytes. <i>Circulation Research</i> , 2022, 131, 6-20.	4.5	13
88	Rho-associated kinase inhibitors promote the cardiac differentiation of embryonic and induced pluripotent stem cells. <i>International Journal of Cardiology</i> , 2015, 201, 441-448.	1.7	12
89	Excess Nitric Oxide Activates TRPV1-Ca <sup>2+</sup> -Calpain Signaling and Promotes PEST-dependent Degradation of Liver X Receptor $\beta$ . <i>International Journal of Biological Sciences</i> , 2016, 12, 18-29.	6.4	11
90	The phosphatase activity of soluble epoxide hydrolase regulates ATP-binding cassette transporter A1-dependent cholesterol efflux. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 6611-6621.	3.6	10

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91	Atypical antipsychotic drugs deregulate the cholesterol metabolism of macrophage-foam cells by activating NOX-ROS-PPAR $\gamma$ -CD36 signaling pathway. <i>Metabolism: Clinical and Experimental</i> , 2021, 123, 154847.	3.4	10
92	Improving the regenerative potential of olfactory ensheathing cells by overexpressing prostacyclin synthetase and its application in spinal cord repair. <i>Journal of Biomedical Science</i> , 2017, 24, 34.	7.0	9
93	Genome-Wide Scan for Quantitative ACE Activity in Taiwan Young-Onset Hypertension Study. <i>Human Heredity</i> , 2008, 65, 85-90.	0.8	8
94	Dual biological functions of an interleukin-1 receptor antagonist-interleukin-10 fusion protein and its suppressive effects on joint inflammation. <i>Immunology</i> , 2004, 112, 643-650.	4.4	7
95	Role of glycine N-methyltransferase in experimental ulcerative colitis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2014, 29, 494-501.	2.8	6
96	The C-Terminal Domain of Thrombomodulin Regulates Monocyte Migration with Interleukin-6 Stimulation. <i>European Journal of Inflammation</i> , 2014, 12, 27-39.	0.5	5
97	Pyrogallol abates VSMC migration via modulation of Caveolin-1, matrix metalloproteinase and intima hyperplasia in carotid ligation mouse. <i>Environmental Toxicology and Pharmacology</i> , 2016, 48, 63-75.	4.0	5
98	Adenoviral interneuronal transportation after retrograde gene transfer in mice. <i>Molecular Brain Research</i> , 2005, 142, 151-155.	2.3	3
99	TRC8 downregulation contributes to the development of non-alcoholic steatohepatitis by exacerbating hepatic endoplasmic reticulum stress. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2339-2351.	3.8	3
100	Genetic Diversity of Color Vision in Primates. , 2000, , 259-274.		0