Yu Huang

List of Publications by Citations

544 papers	23,231 citations	78 h-index	125 g-index
582 ext. papers	26,684 ext. citations	7.2 avg, IF	7.06 L-index

#	Paper	IF	Citations
544	Hyperpolarizing vasodilators activate ATP-sensitive K+ channels in arterial smooth muscle. *Science*, **1989**, 245, 177-80	33.3	1112
543	2D perovskite stabilized phase-pure formamidinium perovskite solar cells. *Nature Communications*, **2018**, 9, 3021	17.4	407
542	Arterial dilations in response to calcitonin gene-related peptide involve activation of K+ channels. *Nature*, **1990**, 344, 770-3	50.4	401
541	Degradation of green tea catechins in tea drinks. *Journal of Agricultural and Food Chemistry*, **2001**, 49, 477-82	5.7	360
540	Stability of Green Tea Catechins. *Journal of Agricultural and Food Chemistry*, **1997**, 45, 4624-4628	5.7	334
539	Electrostatic interactions of S4 voltage sensor in Shaker K+ channel. *Neuron*, **1995**, 14, 1293-301	13.9	326
538	Theaflavins in black tea and catechins in green tea are equally effective antioxidants. *Journal of Nutrition*, **2001**, 131, 2248-51	4.1	298
537	Nanoscale Structure Design for High-Performance Pt-Based ORR Catalysts. *Advanced Materials*, **2019**, 31, e1802234	24	286
536	Integrin-YAP/TAZ-JNK cascade mediates atheroprotective effect of unidirectional shear flow. *Nature*, **2016**, 540, 579-582	50.4	282
535	Surface-Engineered PtNi-O Nanostructure with Record-High Performance for Electrocatalytic Hydrogen Evolution Reaction. *Journal of the American Chemical Society*, **2018**, 140, 9046-9050	16.4	258
534	Adiponectin-induced endothelial nitric oxide synthase activation and nitric oxide production are mediated by APPL1 in endothelial cells. *Diabetes*, **2007**, 56, 1387-94	0.9	256
533	Endothelium-mediated control of vascular tone: COX-1 and COX-2 products. *British Journal of Pharmacology*, **2011**, 164, 894-912	8.6	246
532	Single atom electrocatalysts supported on graphene or graphene-like carbons. *Chemical Society Reviews*, **2019**, 48, 5207-5241	58.5	238
531	Stability of tea theaflavins and catechins. *Food Chemistry*, **2003**, 83, 189-195	8.5	231
530	Visceral periadventitial adipose tissue regulates arterial tone of mesenteric arteries. *Hypertension*, **2004**, 44, 271-6	8.5	226
529	Activation of TRPV1 by dietary capsaicin improves endothelium-dependent vasorelaxation and prevents hypertension. *Cell Metabolism*, **2010**, 12, 130-41	24.6	223
528	Relative antioxidant activity of soybean isoflavones and their glycosides. *Food Chemistry*, **2005**, 90, 735-745	4.5	214

527	Adiponectin is a novel humoral vasodilator. *Cardiovascular Research*, **2007**, 75, 719-27	9.9	202
526	Jasmine green tea epicatechins are hypolipidemic in hamsters (Mesocricetus auratus) fed a high fat diet. *Journal of Nutrition*, **1999**, 129, 1094-101	4.1	201
525	Characterization of antioxidants present in hawthorn fruits. *Journal of Nutritional Biochemistry*, **2001**, 12, 144-152	6.3	199
524	Two-dimensional transistors beyond graphene and TMDCs. *Chemical Society Reviews*, **2018**, 47, 6388-6409	38.5	193
523	Induction of apoptosis in prostate cancer cell lines by a flavonoid, baicalin. *Cancer Letters*, **2000**, 160, 219-28	9.9	185
522	Cardiovascular actions of berberine. *Cardiovascular Drug Reviews*, **2001**, 19, 234-44		184
521	Fibroblast growth factor 21 prevents atherosclerosis by suppression of hepatic sterol regulatory element-binding protein-2 and induction of adiponectin in mice. *Circulation*, **2015**, 131, 1861-71	16.7	170
520	Anti-hypertensive nutraceuticals and functional foods. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 4485-99	5.7	167
519	Pt-Based Nanocrystal for Electrocatalytic Oxygen Reduction. *Advanced Materials*, **2019**, 31, e1808115	24	160
518	Cyclooxygenase-2-derived prostaglandin F2alpha mediates endothelium-dependent contractions in the aortae of hamsters with increased impact during aging. *Circulation Research*, **2009**, 104, 228-35	15.7	160
517	Regulation of canonical transient receptor potential isoform 3 (TRPC3) channel by protein kinase G. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 2625-30	11.5	142
516	Dipeptidyl peptidase 4 inhibitor sitagliptin protects endothelial function in hypertension through a glucagon-like peptide 1-dependent mechanism. *Hypertension*, **2012**, 60, 833-41	8.5	141
515	Molecular Design of Single-Atom Catalysts for Oxygen Reduction Reaction. *Advanced Energy Materials*, **2020**, 10, 1903815	21.8	139
514	Systemic peripheral artery relaxation by KCNQ channel openers and hydrogen sulfide. *Journal of Hypertension*, **2010**, 28, 1875-82	1.9	134
513	Comparison of antioxidant activity and bioavailability of tea epicatechins with their epimers. *British Journal of Nutrition*, **2004**, 91, 873-81	3.6	133
512	Metformin protects endothelial function in diet-induced obese mice by inhibition of endoplasmic reticulum stress through 5 adenosine monophosphate-activated protein kinase-peroxisome proliferator-activated receptor pathway. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 830-6	9.4	131
511	Regeneration of alpha-tocopherol in human low-density lipoprotein by green tea catechin. *Journal of Agricultural and Food Chemistry*, **1999**, 47, 2020-5	5.7	130
510	Biological properties of baicalein in cardiovascular system. *Current Drug Targets Cardiovascular & Haematological Disorders*, **2005**, 5, 177-84		129

509	Interaction between P450 eicosanoids and nitric oxide in the control of arterial tone in mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 54-60	9.4	126
508	Calcitriol protects renovascular function in hypertension by down-regulating angiotensin II type 1 receptors and reducing oxidative stress. *European Heart Journal*, **2012**, 33, 2980-90	9.5	126
507	Apelin modulates aortic vascular tone via endothelial nitric oxide synthase phosphorylation pathway in diabetic mice. *Cardiovascular Research*, **2007**, 74, 388-95	9.9	126
506	Berberine prevents hyperglycemia-induced endothelial injury and enhances vasodilatation via adenosine monophosphate-activated protein kinase and endothelial nitric oxide synthase. *Cardiovascular Research*, **2009**, 82, 484-92	9.9	122
505	Unifying the Hydrogen Evolution and Oxidation Reactions Kinetics in Base by Identifying the Catalytic Roles of Hydroxyl-Water-Cation Adducts. *Journal of the American Chemical Society*, **2019**, 141, 3232-3239	16.4	119
504	Glycosylation of shaker potassium channel protein in insect cell culture and in Xenopus oocytes. *Biochemistry*, **1994**, 33, 5607-13	3.2	118
503	Reactive oxygen species in vascular wall. *Cardiovascular & Hematological Disorders Drug Targets*, **2006**, 6, 1-19	1.1	115
502	TRPV1 activation improves exercise endurance and energy metabolism through PGC-1□ upregulation in mice. *Cell Research*, **2012**, 22, 551-64	24.7	113
501	TRP channels in endothelial function and dysfunction. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2007**, 1772, 907-14	6.9	110
500	Exercise, vascular wall and cardiovascular diseases: an update (Part 1). *Sports Medicine*, **2008**, 38, 1009-24	10.6	109
499	Uncoupling protein-2 protects endothelial function in diet-induced obese mice. *Circulation Research* , **2012**, 110, 1211-6	15.7	108
498	Bone morphogenic protein-4 impairs endothelial function through oxidative stress-dependent cyclooxygenase-2 upregulation: implications on hypertension. *Circulation Research*, **2010**, 107, 984-91	15.7	107
497	Evolution Pathway from Iron Compounds to Fe(II)-N Sites through Gas-Phase Iron during Pyrolysis. *Journal of the American Chemical Society*, **2020**, 142, 1417-1423	16.4	107
496	Nanowire Electronics: From Nanoscale to Macroscale. *Chemical Reviews*, **2019**, 119, 9074-9135	68.1	105
495	Building two-dimensional materials one row at a time: Avoiding the nucleation barrier. *Science*, **2018**, 362, 1135-1139	33.3	105
494	Adiponectin prevents diabetic premature senescence of endothelial progenitor cells and promotes endothelial repair by suppressing the p38 MAP kinase/p16INK4A signaling pathway. *Diabetes*, **2010**, 59, 2949-59	0.9	101
493	Calcium and reactive oxygen species increase in endothelial cells in response to releasers of endothelium-derived contracting factor. *British Journal of Pharmacology*, **2007**, 151, 15-23	8.6	100
492	Reactive Oxygen Species, Endoplasmic Reticulum Stress and Mitochondrial Dysfunction: The Link with Cardiac Arrhythmogenesis. *Frontiers in Physiology*, **2016**, 7, 313	4.6	99

491	E-selectin-targeting delivery of microRNAs by microparticles ameliorates endothelial inflammation and atherosclerosis. *Scientific Reports*, **2016**, 6, 22910	4.9	95
490	Functional role of vanilloid transient receptor potential 4-canonical transient receptor potential 1 complex in flow-induced Ca2+ influx. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 851-8	9.4	95
489	Biology of ageing and role of dietary antioxidants. *BioMed Research International*, **2014**, 2014, 831841	3	93
488	Endothelial dysfunction: the common consequence in diabetes and hypertension. *Journal of Cardiovascular Pharmacology*, **2010**, 55, 300-7	3.1	92
487	Adiponectin is required for PPARγ-mediated improvement of endothelial function in diabetic mice. *Cell Metabolism*, **2011**, 14, 104-15	24.6	91
486	Store-operated calcium entry in vascular smooth muscle. *British Journal of Pharmacology*, **2008**, 153, 846-57	8.6	91
485	IL-6 in diabetes and cardiovascular complications. *British Journal of Pharmacology*, **2014**, 171, 3595-603	8.6	90
484	Blueberry extract prolongs lifespan of Drosophila melanogaster. *Experimental Gerontology*, **2012**, 47, 170-8	4.5	90
483	TRPC1 associates with BK(Ca) channel to form a signal complex in vascular smooth muscle cells. *Circulation Research*, **2009**, 104, 670-8	15.7	89
482	Vasorelaxant and antiproliferative effects of berberine. *European Journal of Pharmacology*, **2000**, 399, 187-96	5.3	89
481	Green tea catechins upregulate superoxide dismutase and catalase in fruit flies. *Molecular Nutrition and Food Research*, **2007**, 51, 546-54	5.9	86
480	Regional differences in perivascular adipose tissue impacting vascular homeostasis. *Trends in Endocrinology and Metabolism*, **2015**, 26, 367-75	8.8	85
479	Choosing hamsters but not rats as a model for studying plasma cholesterol-lowering activity of functional foods. *Molecular Nutrition and Food Research*, **2009**, 53, 921-30	5.9	85
478	Rescue of mesangial cells from high glucose-induced over-proliferation and extracellular matrix secretion by hydrogen sulfide. *Nephrology Dialysis Transplantation*, **2011**, 26, 2119-26	4.3	84
477	Effect of phytosterols and their oxidation products on lipoprotein profiles and vascular function in hamster fed a high cholesterol diet. *Atherosclerosis*, **2011**, 219, 124-33	3.1	84
476	Nanoemulsion improves the oral bioavailability of baicalin in rats: in vitro and in vivo evaluation. *International Journal of Nanomedicine*, **2013**, 8, 3769-79	7.3	83
475	Broadband gate-tunable terahertz plasmons in graphene heterostructures. *Nature Photonics*, **2018**, 12, 22-28	33.9	83
474	Expression of TRPC homologs in endothelial cells and smooth muscle layers of human arteries. *Histochemistry and Cell Biology*, **2004**, 122, 553-61	2.4	82

473	Cellular uptake behaviour, photothermal therapy performance, and cytotoxicity of gold nanorods with various coatings. *Nanoscale*, **2014**, 6, 11462-72	7.7	79
472	Tissue acidosis induces neuronal necroptosis via ASIC1a channel independent of its ionic conduction. *ELife*, **2015**, 4,	8.9	79
471	Apple polyphenols extend the mean lifespan of Drosophila melanogaster. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 2097-106	5.7	79
470	Vasoconstrictor prostanoids. *Pflugers Archiv European Journal of Physiology*, **2010**, 459, 941-50	4.6	79
469	Distribution, depletion and recovery of docosahexaenoic acid are region-specific in rat brain. *British Journal of Nutrition*, **2005**, 94, 544-50	3.6	79
468	Store-operated calcium entry in vascular endothelial cells is inhibited by cGMP via a protein kinase G-dependent mechanism. *Journal of Biological Chemistry*, **2000**, 275, 6758-63	5.4	79
467	TRPV4, TRPC1, and TRPP2 assemble to form a flow-sensitive heteromeric channel. *FASEB Journal*, **2014**, 28, 4677-85	0.9	78
466	SIRT3 Mediates the Antioxidant Effect of Hydrogen Sulfide in Endothelial Cells. *Antioxidants and Redox Signaling*, **2016**, 24, 329-43	8.4	75
465	Involvement of endothelium/nitric oxide in vasorelaxation induced by purified green tea (-)epicatechin. *Biochimica Et Biophysica Acta - General Subjects*, **1999**, 1427, 322-8	4	73
464	A Highly Active Star Decahedron Cu Nanocatalyst for Hydrocarbon Production at Low Overpotentials. *Advanced Materials*, **2019**, 31, e1805405	24	72
463	Antioxidative activities of phenylethanoid glycosides from Ligustrum purpurascens. *Journal of Agricultural and Food Chemistry*, **2001**, 49, 3113-9	5.7	71
462	Difference in flavonoid and isoflavone profile between soybean and soy leaf. *Biomedicine and Pharmacotherapy*, **2002**, 56, 289-95	7.5	70
461	Sensitive pressure sensors based on conductive microstructured air-gap gates and two-dimensional semiconductor transistors. *Nature Electronics*, **2020**, 3, 59-69	28.4	69
460	Functional role of TRPV4-KCa2.3 signaling in vascular endothelial cells in normal and streptozotocin-induced diabetic rats. *Hypertension*, **2013**, 62, 134-9	8.5	69
459	Hawthorn fruit is hypolipidemic in rabbits fed a high cholesterol diet. *Journal of Nutrition*, **2002**, 132, 5-10	4.1	69
458	Oxidative stability of conjugated linoleic acid isomers. *Journal of Agricultural and Food Chemistry*, **2000**, 48, 3072-6	5.7	69
457	Uncoupling protein-2 mediates DPP-4 inhibitor-induced restoration of endothelial function in hypertension through reducing oxidative stress. *Antioxidants and Redox Signaling*, **2014**, 21, 1571-81	8.4	68
456	Van der Waals thin-film electronics. *Nature Electronics*, **2019**, 2, 378-388	28.4	67

455	Oxidative stress-dependent cyclooxygenase-2-derived prostaglandin f(2)impairs endothelial function in renovascular hypertensive rats. *Antioxidants and Redox Signaling*, **2012**, 16, 363-73	8.4	67
454	Reduced bone perfusion in osteoporosis: likely causes in an ovariectomy rat model. *Radiology*, **2010**, 254, 739-46	20.5	67
453	Inhibition of tumor-induced angiogenesis and matrix-metalloproteinase expression in confrontation cultures of embryoid bodies and tumor spheroids by plant ingredients used in traditional chinese medicine. *Laboratory Investigation*, **2003**, 83, 87-98	5.9	67
452	Differential effects of cystathionine-γ-lyase-dependent vasodilatory H2S in periadventitial vasoregulation of rat and mouse aortas. *PLoS ONE*, **2012**, 7, e41951	3.7	67
451	Depletion of intracellular Ca2+ stores stimulates the translocation of vanilloid transient receptor potential 4-c1 heteromeric channels to the plasma membrane. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 2249-55	9.4	66
450	4-aminopyridine-sensitive K+ channels contributes to NaHS-induced membrane hyperpolarization and relaxation in the rat coronary artery. *Vascular Pharmacology*, **2010**, 53, 94-8	5.9	66
449	Interaction between flavonoids and alpha-tocopherol in human low density lipoprotein. *Journal of Nutritional Biochemistry*, **2000**, 11, 14-21	6.3	66
448	Chinese Herbal Medicine on Cardiovascular Diseases and the Mechanisms of Action. *Frontiers in Pharmacology*, **2016**, 7, 469	5.6	66
447	Serum exosomes mediate delivery of arginase 1 as a novel mechanism for endothelial dysfunction in diabetes. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E6927-E6936	11.5	64
446	Exercise, vascular wall and cardiovascular diseases: an update (part 2). *Sports Medicine*, **2009**, 39, 45-63	10.6	63
445	Urocortin-induced endothelium-dependent relaxation of rat coronary artery: role of nitric oxide and K+ channels. *British Journal of Pharmacology*, **2002**, 135, 1467-76	8.6	62
444	Block of calcium-activated potassium channels in mammalian arterial myocytes by tetraethylammonium ions. *American Journal of Physiology - Heart and Circulatory Physiology*, **1991**, 260, H927-34	5.2	62
443	Chronic angiotensin (1-7) injection accelerates STZ-induced diabetic renal injury. *Acta Pharmacologica Sinica*, **2008**, 29, 829-37	8	61
442	Apple polyphenols inhibit plasma CETP activity and reduce the ratio of non-HDL to HDL cholesterol. *Molecular Nutrition and Food Research*, **2008**, 52, 950-8	5.9	60
441	Recent Advances in Managing Atherosclerosis via Nanomedicine. *Small*, **2018**, 14, 1702793	11	60
440	Bone morphogenic protein-4 induces endothelial cell apoptosis through oxidative stress-dependent p38MAPK and JNK pathway. *Journal of Molecular and Cellular Cardiology*, **2012**, 52, 237-44	5.8	59
439	Regulation of TRP channels by phosphorylation. *NeuroSignals*, **2005**, 14, 273-80	1.9	59
438	Depletion of intracellular Ca2+ stores sensitizes the flow-induced Ca2+ influx in rat endothelial cells. *Circulation Research*, **2003**, 92, 286-92	15.7	59

437	Inhibition of renin-angiotensin system reverses endothelial dysfunction and oxidative stress in estrogen deficient rats. *PLoS ONE*, **2011**, 6, e17437	3.7	58
436	H(2)S inhibits hyperglycemia-induced intrarenal renin-angiotensin system activation via attenuation of reactive oxygen species generation. *PLoS ONE*, **2013**, 8, e74366	3.7	57
435	Hypocholesterolemic activity of grape seed proanthocyanidin is mediated by enhancement of bile acid excretion and up-regulation of CYP7A1. *Journal of Nutritional Biochemistry*, **2010**, 21, 1134-9	6.3	57
434	Acetylcholine and sodium nitroprusside cause long-term inhibition of EDCF-mediated contractions. *American Journal of Physiology - Heart and Circulatory Physiology*, **2005**, 289, H2434-40	5.2	57
433	Berberine improves endothelial function by inhibiting endoplasmic reticulum stress in the carotid arteries of spontaneously hypertensive rats. *Biochemical and Biophysical Research Communications*, **2015**, 458, 796-801	3.4	56
432	PtCuNi Tetrahedra Catalysts with Tailored Surfaces for Efficient Alcohol Oxidation. *Nano Letters*, **2019**, 19, 5431-5436	11.5	56
431	The expression and regulation of depolarization-activated K+ channels in the insulin-secreting cell line INS-1. *Pflugers Archiv European Journal of Physiology*, **2001**, 442, 49-56	4.6	56
430	Hyperglycemia Abrogates Ischemic Postconditioning Cardioprotection by Impairing AdipoR1/Caveolin-3/STAT3 Signaling in Diabetic Rats. *Diabetes*, **2016**, 65, 942-55	0.9	55
429	Endothelial dysfunction in diabetes and hypertension: cross talk in RAS, BMP4, and ROS-dependent COX-2-derived prostanoids. *Journal of Cardiovascular Pharmacology*, **2013**, 61, 204-14	3.1	55
428	Protein kinase G inhibits flow-induced Ca2+ entry into collecting duct cells. *Journal of the American Society of Nephrology: JASN*, **2012**, 23, 1172-80	12.7	55
427	Vasorelaxant effects of cardamonin and alpinetin from Alpinia henryi K. Schum. *Journal of Cardiovascular Pharmacology*, **2001**, 37, 596-606	3.1	55
426	Progression of diabetic kidney disease and trajectory of kidney function decline in Chinese patients with Type 2 diabetes. *Kidney International*, **2019**, 95, 178-187	9.9	55
425	Inhibition of miR-200c Restores Endothelial Function in Diabetic Mice Through Suppression of COX-2. *Diabetes*, **2016**, 65, 1196-207	0.9	54
424	Black tea theaflavins extend the lifespan of fruit flies. *Experimental Gerontology*, **2009**, 44, 773-83	4.5	54
423	APPL1 counteracts obesity-induced vascular insulin resistance and endothelial dysfunction by modulating the endothelial production of nitric oxide and endothelin-1 in mice. *Diabetes*, **2011**, 60, 3044-54	9.9	54
422	Beyond Extended Surfaces: Understanding the Oxygen Reduction Reaction on Nanocatalysts. *Journal of the American Chemical Society*, **2020**, 142, 17812-17827	16.4	54
421	Endothelial nitric oxide synthase enhancer reduces oxidative stress and restores endothelial function in db/db mice. *Cardiovascular Research*, **2011**, 92, 267-75	9.9	53
420	Vasorelaxant effects of purified green tea epicatechin derivatives in rat mesenteric artery. *Life Sciences*, **1998**, 63, 275-83	6.8	53

419	Sodium Intake Regulates Glucose Homeostasis through the PPARγ/Adiponectin-Mediated SGLT2 Pathway. *Cell Metabolism*, **2016**, 23, 699-711	24.6	52
418	Boldine protects endothelial function in hyperglycemia-induced oxidative stress through an antioxidant mechanism. *Biochemical Pharmacology*, **2013**, 85, 367-75	6	52
417	Hypocholesterolemic activity of hawthorn fruit is mediated by regulation of cholesterol-7α-hydroxylase and acyl CoA: cholesterol acyltransferase. *Food Research International*, **2002**, 35, 885-891	7	52
416	Exercise Alleviates Obesity-Induced Metabolic Dysfunction via Enhancing FGF21 Sensitivity in Adipose Tissues. *Cell Reports*, **2019**, 26, 2738-2752.e4	10.6	51
415	PPARδ activation protects endothelial function in diabetic mice. *Diabetes*, **2012**, 61, 3285-93	0.9	51
414	Endothelium-dependent relaxation induced by hawthorn extract in rat mesenteric artery. *Life Sciences*, **1998**, 63, 1983-91	6.8	51
413	Upregulation of Angiotensin (1-7)-Mediated Signaling Preserves Endothelial Function Through Reducing Oxidative Stress in Diabetes. *Antioxidants and Redox Signaling*, **2015**, 23, 880-92	8.4	50
412	Protopanaxadiol and protopanaxatriol bind to glucocorticoid and oestrogen receptors in endothelial cells. *British Journal of Pharmacology*, **2009**, 156, 626-37	8.6	50
411	Oxidized LDL at low concentration promotes in-vitro angiogenesis and activates nitric oxide synthase through PI3K/Akt/eNOS pathway in human coronary artery endothelial cells. *Biochemical and Biophysical Research Communications*, **2011**, 407, 44-8	3.4	49
410	Dietary calcium decreases plasma cholesterol by down-regulation of intestinal Niemann-Pick C1 like 1 and microsomal triacylglycerol transport protein and up-regulation of CYP7A1 and ABCG 5/8 in hamsters. *Molecular Nutrition and Food Research*, **2011**, 55, 247-58	5.9	49
409	Angiotensin II type 1 receptor-dependent oxidative stress mediates endothelial dysfunction in type 2 diabetic mice. *Antioxidants and Redox Signaling*, **2010**, 13, 757-68	8.4	49
408	A protein kinase G-sensitive channel mediates flow-induced Ca(2+) entry into vascular endothelial cells. *FASEB Journal*, **2000**, 14, 932-8	0.9	49
407	Tea polyphenols benefit vascular function. *Inflammopharmacology*, **2008**, 16, 230-4	5.1	48
406	Alpha-linolenic acid but not conjugated linolenic acid is hypocholesterolaemic in hamsters. *British Journal of Nutrition*, **2005**, 93, 433-8	3.6	48
405	Black tea protects against hypertension-associated endothelial dysfunction through alleviation of endoplasmic reticulum stress. *Scientific Reports*, **2015**, 5, 10340	4.9	47
404	Unconjugated bilirubin mediates heme oxygenase-1-induced vascular benefits in diabetic mice. *Diabetes*, **2015**, 64, 1564-75	0.9	47
403	Non-genomic effects of ginsenoside-Re in endothelial cells via glucocorticoid receptor. *FEBS Letters* , **2007**, 581, 2423-8	3.8	47
402	PPARδ Is Required for Exercise to Attenuate Endoplasmic Reticulum Stress and Endothelial Dysfunction in Diabetic Mice. *Diabetes*, **2017**, 66, 519-528	0.9	46

401	Protein kinase C can inhibit TRPC3 channels indirectly via stimulating protein kinase G. *Journal of Cellular Physiology*, **2006**, 207, 315-21	7	46
400	High-Performance Black Phosphorus Field-Effect Transistors with Long-Term Air Stability. *Nano Letters*, **2019**, 19, 331-337	11.5	46
399	RGMb protects against acute kidney injury by inhibiting tubular cell necroptosis via an MLKL-dependent mechanism. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E1475-E1484	11.5	45
398	Angiotensin AT1 receptor activation mediates high glucose-induced epithelial-mesenchymal transition in renal proximal tubular cells. *Clinical and Experimental Pharmacology and Physiology*, **2010**, 37, e152-7	3	45
397	Telmisartan inhibits vasoconstriction via PPAR□dependent expression and activation of endothelial nitric oxide synthase. *Cardiovascular Research*, **2011**, 90, 122-9	9.9	45
396	Roles of cyclic AMP and Ca2+-activated K+ channels in endothelium-independent relaxation by urocortin in the rat coronary artery. *Cardiovascular Research*, **2003**, 57, 824-33	9.9	45
395	Pseudogene PDIA3P1 promotes cell proliferation, migration and invasion, and suppresses apoptosis in hepatocellular carcinoma by regulating the p53 pathway. *Cancer Letters*, **2017**, 407, 76-83	9.9	44
394	Role of TRPM2 in H(2)O(2)-induced cell apoptosis in endothelial cells. *PLoS ONE*, **2012**, 7, e43186	3.7	44
393	cAMP activates TRPC6 channels via the phosphatidylinositol 3-kinase (PI3K)-protein kinase B (PKB)-mitogen-activated protein kinase kinase (MEK)-ERK1/2 signaling pathway. *Journal of Biological Chemistry*, **2011**, 286, 19439-45	5.4	44
392	Pharmacological basis and new insights of resveratrol action in the cardiovascular system. *British Journal of Pharmacology*, **2020**, 177, 1258-1277	8.6	43
391	Long non-coding RNA CASC15 is upregulated in hepatocellular carcinoma and facilitates hepatocarcinogenesis. *International Journal of Oncology*, **2017**, 51, 1722-1730	4.4	42
390	TRPC5 channels participate in pressure-sensing in aortic baroreceptors. *Nature Communications*, **2016**, 7, 11947	17.4	42
389	NaHS relaxes rat cerebral artery in vitro via inhibition of l-type voltage-sensitive Ca2+ channel. *Pharmacological Research*, **2012**, 65, 239-46	10.2	42
388	Electrophysiological properties of heteromeric TRPV4-C1 channels. *Biochimica Et Biophysica Acta - Biomembranes*, **2011**, 1808, 2789-97	3.8	42
387	Cardioprotective effects of epigallocatechin-3-gallate against doxorubicin-induced cardiomyocyte injury. *European Journal of Pharmacology*, **2011**, 652, 82-8	5.3	42
386	Inactivation of the E-prostanoid 3 receptor attenuates the angiotensin II pressor response via decreasing arterial contractility. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 3024-32	9.4	42
385	From nitric oxide to endothelial cytosolic Ca2+: a negative feedback control. *Trends in Pharmacological Sciences*, **2003**, 24, 263-6	13.2	42
384	Urocortin-induced relaxation in the human internal mammary artery. *Cardiovascular Research*, **2005**, 65, 913-20	9.9	42

383	Myeloid deletion increases monocyte recruitment and worsens atherosclerosis. *FASEB Journal*, **2017**, 31, 1097-1106	0.9	41
382	Regulatory T Cells Promote Apelin-Mediated Sprouting Angiogenesis in Type 2 Diabetes. *Cell Reports*, **2018**, 24, 1610-1626	10.6	41
381	Dietary conjugated linoleic acid mixture affects the activity of intestinal acyl coenzyme A: cholesterol acyltransferase in hamsters. *British Journal of Nutrition*, **2000**, 84, 935-941	3.6	41
380	Overexpression of TRIM24 is associated with the onset and progress of human hepatocellular carcinoma. *PLoS ONE*, **2014**, 9, e85462	3.7	41
379	Effect of Scutellariae Radix extract on experimental dextran-sulfate sodium-induced colitis in rats. *World Journal of Gastroenterology*, **2007**, 13, 5605-11	5.6	41
378	Inhibition of miR-92a Suppresses Oxidative Stress and Improves Endothelial Function by Upregulating Heme Oxygenase-1 in db/db Mice. *Antioxidants and Redox Signaling*, **2018**, 28, 358-370	8.4	40
377	Ginsenoside Rb3 attenuates oxidative stress and preserves endothelial function in renal arteries from hypertensive rats. *British Journal of Pharmacology*, **2014**, 171, 3171-81	8.6	40
376	DPA n-3, DPA n-6 and DHA improve lipoprotein profiles and aortic function in hamsters fed a high cholesterol diet. *Atherosclerosis*, **2012**, 221, 397-404	3.1	40
375	Thromboxane prostanoid receptor activation impairs endothelial nitric oxide-dependent vasorelaxations: the role of Rho kinase. *Biochemical Pharmacology*, **2009**, 78, 374-81	6	40
374	Raloxifene relaxes rat cerebral arteries in vitro and inhibits L-type voltage-sensitive Ca2+ channels. *Stroke*, **2004**, 35, 1709-14	6.7	40
373	Endothelium-dependent contraction and direct relaxation induced by baicalein in rat mesenteric artery. *European Journal of Pharmacology*, **1999**, 374, 41-7	5.3	40
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