

Xiaoqiang Yao

List of Publications by Year in descending order

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236
papers

11,743
citations

23567

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docs citations

237
times ranked

14523
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,742 1,430	9.1	10
2	Renalase is a novel, soluble monoamine oxidase that regulates cardiac function and blood pressure. Journal of Clinical Investigation, 2005, 115, 1275-1280.	8.2	370
3	Organelle pH in the Arabidopsis Endomembrane System. Molecular Plant, 2013, 6, 1419-1437.	8.3	310
4	Recent Developments in Vascular Endothelial Cell Transient Receptor Potential Channels. Circulation Research, 2005, 97, 853-863.	4.5	243
5	Cardiovascular Actions of Berberine. Cardiovascular Drug Reviews, 2001, 19, 234-244.	4.1	226
6	Cyclooxygenase-2-Derived Prostaglandin F _{2α} Mediates Endothelium-Dependent Contractions in the Aortae of Hamsters With Increased Impact During Aging. Circulation Research, 2009, 104, 228-235.	4.5	185
7	Dipeptidyl Peptidase 4 Inhibitor Sitagliptin Protects Endothelial Function in Hypertension Through a Glucagon-Like Peptide 1-Dependent Mechanism. Hypertension, 2012, 60, 833-841.	2.7	164
8	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 γ Pathway. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 830-836.	2.4	162
9	Biological Properties of Baicalein in Cardiovascular System. Current Drug Targets Cardiovascular & Haematological Disorders, 2005, 5, 177-184.	2.0	158
10	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, 2625-2630.	7.1	154
11	Essential role for TrpC5-containing extracellular vesicles in breast cancer with chemotherapeutic resistance. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6389-6394.	7.1	152
12	Calcitriol protects renovascular function in hypertension by down-regulating angiotensin II type 1 receptors and reducing oxidative stress. European Heart Journal, 2012, 33, 2980-2990.	2.2	149
13	TRPV4 and the Regulation of Vascular Tone. Journal of Cardiovascular Pharmacology, 2013, 61, 113-119.	1.9	146
14	Transient receptor potential channel TRPC5 is essential for P-glycoprotein induction in drug-resistant cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16282-16287.	7.1	143
15	Reactive Oxygen Species in Vascular Wall. Cardiovascular & Hematological Disorders Drug Targets, 2006, 6, 1-19.	0.7	142
16	Exercise, Vascular Wall and Cardiovascular Diseases. Sports Medicine, 2008, 38, 1009-1024.	6.5	139
17	Ion Channels in Vascular Endothelium. , 2007, , 721-728.		134
18	TRP channels in endothelial function and dysfunction. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 907-914.	3.8	131

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19	Heteromeric TRPV4-C1 channels contribute to store-operated Ca ²⁺ entry in vascular endothelial cells. <i>Cell Calcium</i> , 2011, 50, 502-509.	2.4	125
20	Uncoupling Protein-2 Protects Endothelial Function in Diet-Induced Obese Mice. <i>Circulation Research</i> , 2012, 110, 1211-1216.	4.5	124
21	Bone Morphogenic Protein-4 Impairs Endothelial Function Through Oxidative Stress-Dependent Cyclooxygenase-2 Upregulation. <i>Circulation Research</i> , 2010, 107, 984-991.	4.5	121
22	Serum exosomes mediate delivery of arginase 1 as a novel mechanism for endothelial dysfunction in diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6927-E6936.	7.1	109
23	A Small Synthetic Molecule Forms Chloride Channels to Mediate Chloride Transport across Cell Membranes. <i>Journal of the American Chemical Society</i> , 2007, 129, 7264-7265.	13.7	106
24	Functional Role of Vanilloid Transient Receptor Potential 4-Canonical Transient Receptor Potential 1 Complex in Flow-Induced Ca ²⁺ Influx. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 851-858.	2.4	106
25	Vasorelaxant and antiproliferative effects of berberine. <i>European Journal of Pharmacology</i> , 2000, 399, 187-196.	3.5	105
26	TRPV4, TRPC1, and TRPP2 assemble to form a flow-sensitive heteromeric channel. <i>FASEB Journal</i> , 2014, 28, 4677-4685.	0.5	104
27	TRPC1 Associates With BK _{Ca} Channel to Form a Signal Complex in Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2009, 104, 670-678.	4.5	102
28	Store-operated calcium entry in vascular smooth muscle. <i>British Journal of Pharmacology</i> , 2008, 153, 846-857.	5.4	101
29	Primary structure and functional expression of a cGMP-gated potassium channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 11711-11715.	7.1	99
30	Expression of TRPC homologs in endothelial cells and smooth muscle layers of human arteries. <i>Histochemistry and Cell Biology</i> , 2004, 122, 553-561.	1.7	98
31	Store-operated Calcium Entry in Vascular Endothelial Cells Is Inhibited by cGMP via a Protein Kinase G-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2000, 275, 6758-6763.	3.4	96
32	Synthetic Chloride Channel Regulates Cell Membrane Potentials and Voltage-Gated Calcium Channels. <i>Journal of the American Chemical Society</i> , 2009, 131, 13676-13680.	13.7	90
33	Involvement of endothelium/nitric oxide in vasorelaxation induced by purified green tea (âˆ“)epicatechin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1999, 1427, 322-328.	2.4	87
34	The ion channel activity of the SARS-coronavirus 3a protein is linked to its pro-apoptotic function. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 2232-2239.	2.8	84
35	Functional Role of TRPV4-Ca ²⁺ Signaling in Vascular Endothelial Cells in Normal and Streptozotocin-Induced Diabetic Rats. <i>Hypertension</i> , 2013, 62, 134-139.	2.7	84
36	4-Aminopyridine-sensitive K ⁺ channels contributes to NaHS-induced membrane hyperpolarization and relaxation in the rat coronary artery. <i>Vascular Pharmacology</i> , 2010, 53, 94-98.	2.1	77

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37	Oxidative Stress-Dependent Cyclooxygenase-2-Derived Prostaglandin F ₂ Impairs Endothelial Function in Renovascular Hypertensive Rats. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 363-373.	5.4	77
38	Uncoupling Protein-2 Mediates DPP-4 Inhibitor-Induced Restoration of Endothelial Function in Hypertension Through Reducing Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1571-1581.	5.4	76
39	ERR α augments HIF α signalling by directly interacting with HIF α in normoxic and hypoxic prostate cancer cells. <i>Journal of Pathology</i> , 2014, 233, 61-73.	4.5	72
40	Urocortin α -induced endothelium-dependent relaxation of rat coronary artery: role of nitric oxide and K ⁺ channels. <i>British Journal of Pharmacology</i> , 2002, 135, 1467-1476.	5.4	71
41	Exercise, Vascular Wall and Cardiovascular Diseases. <i>Sports Medicine</i> , 2009, 39, 45-63.	6.5	71
42	Depletion of Intracellular Ca ²⁺ Stores Stimulates the Translocation of Vanilloid Transient Receptor Potential 4-C1 Heteromeric Channels to the Plasma Membrane. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 2249-2255.	2.4	71
43	Upregulation of Angiotensin (1-7)-Mediated Signaling Preserves Endothelial Function Through Reducing Oxidative Stress in Diabetes. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 880-892.	5.4	70
44	TRPC5-induced autophagy promotes drug resistance in breast carcinoma via CaMKK β /AMPK α /mTOR pathway. <i>Scientific Reports</i> , 2017, 7, 3158.	3.3	70
45	The vacuolar transport of aleurain-GFP and 2S albumin-GFP fusions is mediated by the same pre-vacuolar compartments in tobacco BY-2 and Arabidopsis suspension cultured cells. <i>Plant Journal</i> , 2008, 56, 824-839.	5.7	69
46	Inhibition of miR-200c Restores Endothelial Function in Diabetic Mice Through Suppression of COX-2. <i>Diabetes</i> , 2016, 65, 1196-1207.	0.6	68
47	Regulation of TRP Channels by Phosphorylation. <i>NeuroSignals</i> , 2005, 14, 273-280.	0.9	67
48	Depletion of Intracellular Ca ²⁺ Stores Sensitizes the Flow-Induced Ca ²⁺ Influx in Rat Endothelial Cells. <i>Circulation Research</i> , 2003, 92, 286-292.	4.5	66
49	Vasorelaxant Effects of Cardamonin and Alpinetin from <i>Alpinia henryi</i> K. Schum.. <i>Journal of Cardiovascular Pharmacology</i> , 2001, 37, 596-606.	1.9	65
50	Bone morphogenic protein-4 induces endothelial cell apoptosis through oxidative stress-dependent p38MAPK and JNK pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 237-244.	1.9	65
51	Inhibition of Renin-Angiotensin System Reverses Endothelial Dysfunction and Oxidative Stress in Estrogen Deficient Rats. <i>PLoS ONE</i> , 2011, 6, e17437.	2.5	65
52	Activity of voltage-gated K ⁺ channels is associated with cell proliferation and Ca ²⁺ influx in carcinoma cells of colon cancer. <i>Life Sciences</i> , 1999, 65, 55-62.	4.3	64
53	A Synthetic Chloride Channel Restores Chloride Conductance in Human Cystic Fibrosis Epithelial Cells. <i>PLoS ONE</i> , 2012, 7, e34694.	2.5	64
54	TRPC5 channels participate in pressure-sensing in aortic baroreceptors. <i>Nature Communications</i> , 2016, 7, 11947.	12.8	61

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55	Inhibition of miR-92a Suppresses Oxidative Stress and Improves Endothelial Function by Upregulating Heme Oxygenase-1 in <i>db/db</i> Mice. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 358-370.	5.4	60
56	cAMP Activates TRPC6 Channels via the Phosphatidylinositol 3-Kinase (PI3K)-Protein Kinase B (PKB)-Mitogen-activated Protein Kinase Kinase (MEK)-ERK1/2 Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2011, 286, 19439-19445.	3.4	59
57	Protein Kinase G Inhibits Flow-Induced Ca ²⁺ Entry into Collecting Duct Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 1172-1180.	6.1	59
58	Endothelial nitric oxide synthase enhancer reduces oxidative stress and restores endothelial function in <i>db/db</i> mice. <i>Cardiovascular Research</i> , 2011, 92, 267-275.	3.8	58
59	PPAR γ Activation Protects Endothelial Function in Diabetic Mice. <i>Diabetes</i> , 2012, 61, 3285-3293.	0.6	58
60	Tea polyphenols benefit vascular function. <i>Inflammopharmacology</i> , 2008, 16, 230-234.	3.9	55
61	Apigenin, a plant-derived flavone, activates transient receptor potential vanilloid 4 cation channel. <i>British Journal of Pharmacology</i> , 2012, 166, 349-358.	5.4	55
62	A protein kinase C-sensitive channel mediates flow-induced Ca ²⁺ entry into vascular endothelial cells. <i>FASEB Journal</i> , 2000, 14, 932-938.	0.5	54
63	Angiotensin II Type 1 Receptor-Dependent Oxidative Stress Mediates Endothelial Dysfunction in Type 2 Diabetic Mice. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 757-768.	5.4	54
64	Roles of cyclic AMP and Ca ²⁺ -activated K ⁺ channels in endothelium-independent relaxation by urocortin in the rat coronary artery. <i>Cardiovascular Research</i> , 2003, 57, 824-833.	3.8	53
65	Role of TRPM2 in H ₂ O ₂ -Induced Cell Apoptosis in Endothelial Cells. <i>PLoS ONE</i> , 2012, 7, e43186.	2.5	53
66	Ion channel <i>TRPM8</i> promotes hypoxic growth of prostate cancer cells via an O ₂ -independent and <i>RACK1</i> -mediated mechanism of <i>HIF-1α</i> stabilization. <i>Journal of Pathology</i> , 2014, 234, 514-525.	4.5	53
67	Unconjugated Bilirubin Mediates Heme Oxygenase-1-Induced Vascular Benefits in Diabetic Mice. <i>Diabetes</i> , 2015, 64, 1564-1575.	0.6	53
68	NaHS relaxes rat cerebral artery in vitro via inhibition of l-type voltage-sensitive Ca ²⁺ channel. <i>Pharmacological Research</i> , 2012, 65, 239-246.	7.1	51
69	Focal TLR4 activation mediates disturbed flow-induced endothelial inflammation. <i>Cardiovascular Research</i> , 2020, 116, 226-236.	3.8	50
70	Molecular cloning of a glibenclamide-sensitive, voltage-gated potassium channel expressed in rabbit kidney. <i>Journal of Clinical Investigation</i> , 1996, 97, 2525-2533.	8.2	50
71	Electrophysiological properties of heteromeric TRPV4-C1 channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2789-2797.	2.6	49
72	Telmisartan inhibits vasoconstriction via PPAR γ -dependent expression and activation of endothelial nitric oxide synthase. <i>Cardiovascular Research</i> , 2011, 90, 122-129.	3.8	49

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73	Protein kinase C can inhibit TRPC3 channels indirectly via stimulating protein kinase G. <i>Journal of Cellular Physiology</i> , 2006, 207, 315-321.	4.1	48
74	From nitric oxide to endothelial cytosolic Ca ²⁺ : a negative feedback control. <i>Trends in Pharmacological Sciences</i> , 2003, 24, 263-266.	8.7	46
75	Raloxifene Relaxes Rat Cerebral Arteries In Vitro and Inhibits L-Type Voltage-Sensitive Ca ²⁺ Channels. <i>Stroke</i> , 2004, 35, 1709-1714.	2.0	45
76	TRPC3 channel contributes to nitric oxide release: significance during normoxia and hypoxia-induced reoxygenation. <i>Cardiovascular Research</i> , 2011, 91, 472-482.	3.8	45
77	Extracellular ATP facilitates flow-induced vasodilatation in rat small mesenteric arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H1688-H1695.	3.2	44
78	Integrated transcriptomic and regulatory network analyses identify microRNA-200c as a novel repressor of human pluripotent stem cell-derived cardiomyocyte differentiation and maturation. <i>Cardiovascular Research</i> , 2018, 114, 894-906.	3.8	44
79	Mechanism of Non-Capacitative Ca ²⁺ Influx in Response to Bradykinin in Vascular Endothelial Cells. <i>Journal of Vascular Research</i> , 2006, 43, 367-376.	1.4	42
80	Green tea catechins and broccoli reduce fat-induced mortality in <i>Drosophila melanogaster</i> . <i>Journal of Nutritional Biochemistry</i> , 2008, 19, 376-383.	4.2	42
81	Rosuvastatin improves endothelial function in db/db mice: role of angiotensin II type 1 receptors and oxidative stress. <i>British Journal of Pharmacology</i> , 2011, 164, 598-606.	5.4	41
82	Pivotal Role of Protein Kinase C in Angiotensin II-Induced Endothelial Cyclooxygenase-2 Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1169-1176.	2.4	41
83	Conserved function of the lysine-based KXD/E motif in Golgi retention for endomembrane proteins among different organisms. <i>Molecular Biology of the Cell</i> , 2015, 26, 4280-4293.	2.1	41
84	Thromboxane prostanoid receptor activation impairs endothelial nitric oxide-dependent vasorelaxations: The role of Rho kinase. <i>Biochemical Pharmacology</i> , 2009, 78, 374-381.	4.4	40
85	Plasma Membrane Mechanical Stress Activates TRPC5 Channels. <i>PLoS ONE</i> , 2015, 10, e0122227.	2.5	40
86	Use of intermediate/small conductance calcium-activated potassium-channel activator for endothelial protection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011, 141, 501-510.e1.	0.8	39
87	Epoxyeicosatrienoic acids act through TRPV4-TRPC1-KCa1.1 complex to induce smooth muscle membrane hyperpolarization and relaxation in human internal mammary arteries. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 552-559.	3.8	38
88	Epinephrine-induced Ca ²⁺ influx in vascular endothelial cells is mediated by CNGA2 channels. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, 437-445.	1.9	37
89	Estrogen Controls embryonic stem cell proliferation via store-operated calcium entry and the nuclear factor of activated T-cells (NFAT). <i>Journal of Cellular Physiology</i> , 2012, 227, 2519-2530.	4.1	36
90	Activation of Transient Receptor Potential Vanilloid 3 Channel Suppresses Adipogenesis. <i>Endocrinology</i> , 2015, 156, 2074-2086.	2.8	36

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91	Enhancement of vascular endothelial growth factor release in long-term drug-treated breast cancer via transient receptor potential channel 5-Ca ²⁺ -hypoxia-inducible factor 1 \pm pathway. <i>Pharmacological Research</i> , 2015, 93, 36-42.	7.1	36
92	Estrogen and Tamoxifen Modulate Cerebrovascular Tone in Ovariectomized Female Rats. <i>Hypertension</i> , 2004, 44, 78-82.	2.7	34
93	Conjugated and non-conjugated octadecaenoic acids affect differently intestinal acyl coenzyme A: Cholesterol acyltransferase activity. <i>Atherosclerosis</i> , 2008, 198, 85-93.	0.8	34
94	Menthol relaxes rat aortae, mesenteric and coronary arteries by inhibiting calcium influx. <i>European Journal of Pharmacology</i> , 2013, 702, 79-84.	3.5	34
95	Nitric Oxide-cGMP-PKG Pathway Acts on Orai1 to Inhibit the Hypertrophy of Human Embryonic Stem Cell-Derived Cardiomyocytes. <i>Stem Cells</i> , 2015, 33, 2973-2984.	3.2	34
96	Nitric oxide mediated endothelium-dependent relaxation induced by glibenclamide in rat isolated aorta. <i>Cardiovascular Research</i> , 2000, 46, 180-187.	3.8	33
97	Depletion of intracellular Ca ²⁺ stores enhances flow-induced vascular dilatation in rat small mesenteric artery. <i>British Journal of Pharmacology</i> , 2006, 147, 506-515.	5.4	32
98	The GmCLC1 protein from soybean functions as a chloride ion transporter. <i>Journal of Plant Physiology</i> , 2013, 170, 101-104.	3.5	32
99	Inhibition of Bone Morphogenic Protein 4 Restores Endothelial Function in <i>db/db</i> Diabetic Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 152-159.	2.4	32
100	Raloxifene Relaxes Rat Pulmonary Arteries and Veins: Roles of Gender, Endothelium, and Antagonism of Ca ²⁺ Influx. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 312, 1266-1271.	2.5	31
101	Raloxifene prevents endothelial dysfunction in aging ovariectomized female rats. <i>Vascular Pharmacology</i> , 2006, 44, 290-298.	2.1	31
102	Genistein potentiates activity of the cation channel TRPC5 independently of tyrosine kinases. <i>British Journal of Pharmacology</i> , 2010, 159, 1486-1496.	5.4	31
103	The TRPC5 channel regulates angiogenesis and promotes recovery from ischemic injury in mice. <i>Journal of Biological Chemistry</i> , 2019, 294, 28-37.	3.4	31
104	Inhibition of nitric oxide/cyclic GMP-mediated relaxation by purified flavonoids, baicalin and baicalein, in rat aortic rings. <i>Biochemical Pharmacology</i> , 2004, 67, 787-794.	4.4	30
105	TRPC3 is involved in flow- and bradykinin-induced TRPC5 vasodilation in rat small mesenteric arteries. <i>Acta Pharmacologica Sinica</i> , 2006, 27, 981-990.	6.1	30
106	Nitric oxide lacks direct effect on TRPC5 channels but suppresses endogenous TRPC5-containing channels in endothelial cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 460, 121-130.	2.8	30
107	Calcitriol restores renovascular function in estrogen-deficient rats through downregulation of cyclooxygenase-2 and the thromboxane-prostanoid receptor. <i>Kidney International</i> , 2013, 84, 54-63.	5.2	30
108	Treatment of hypertension by increasing impaired endothelial $\text{TRPV4} \leftrightarrow \text{KCa}2.3$ interaction. <i>EMBO Molecular Medicine</i> , 2017, 9, 1491-1503.	6.9	30

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109	TRPC, cGMP-Dependent Protein Kinases and Cytosolic Ca ²⁺ , 2007, , 527-540.		30
110	Expression of KCNA10, a Voltage-Gated K Channel, in Glomerular Endothelium and at the Apical Membrane of the Renal Proximal Tubule. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 2831-2839.	6.1	29
111	Raloxifene relaxes rat intrarenal arteries by inhibiting Ca ²⁺ influx. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 289, F137-F144.	2.7	29
112	Endothelium-independent relaxation to raloxifene in porcine coronary artery. <i>European Journal of Pharmacology</i> , 2007, 555, 178-184.	3.5	29
113	Vasorelaxation induced by vascular endothelial growth factor in the human internal mammary artery and radial artery. <i>Vascular Pharmacology</i> , 2007, 46, 253-259.	2.1	29
114	Raloxifene protects endothelial cell function against oxidative stress. <i>British Journal of Pharmacology</i> , 2008, 155, 326-334.	5.4	29
115	Cyclooxygenase-2-dependent oxidative stress mediates palmitate-induced impairment of endothelium-dependent relaxations in mouse arteries. <i>Biochemical Pharmacology</i> , 2014, 91, 474-482.	4.4	29
116	Orai1 is critical for Notch-driven aggressiveness under hypoxic conditions in triple-negative breast cancers. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 975-986.	3.8	29
117	Expression of olfactory-type cyclic nucleotide-gated channel (CNGA2) in vascular tissues. <i>Histochemistry and Cell Biology</i> , 2003, 120, 475-481.	1.7	28
118	From Skeleton to Cytoskeleton. <i>Circulation Research</i> , 2012, 111, e55-66.	4.5	28
119	Contribution of K ⁺ Channels to Relaxation Induced by 17 β -Estradiol but Not by Progesterone in Isolated Rat Mesenteric Artery Rings. <i>Journal of Cardiovascular Pharmacology</i> , 2003, 41, 4-13.	1.9	27
120	Cilnidipine, a slow-acting Ca ²⁺ channel blocker, induces relaxation in porcine coronary artery: role of endothelial nitric oxide and [Ca ²⁺] _i . <i>British Journal of Pharmacology</i> , 2006, 147, 55-63.	5.4	27
121	CNGA2 Channels Mediate Adenosine-Induced Ca ²⁺ Influx in Vascular Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 913-918.	2.4	27
122	Rod-type cyclic nucleotide-gated cation channel is expressed in vascular endothelium and vascular smooth muscle cells. <i>Cardiovascular Research</i> , 1999, 41, 282-290.	3.8	26
123	No mutation in the KCNE3 potassium channel gene in Chinese thyrotoxic hypokalaemic periodic paralysis patients. <i>Clinical Endocrinology</i> , 2004, 61, 109-112.	2.4	26
124	Endothelial mediators of the acetylcholine-induced relaxation of the rat femoral artery. <i>Vascular Pharmacology</i> , 2006, 44, 299-308.	2.1	26
125	Therapeutically Relevant Concentrations of Raloxifene Dilate Pressurized Rat Resistance Arteries via Calcium-Dependent Endothelial Nitric Oxide Synthase Activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 992-999.	2.4	25
126	Uniaxial cyclic stretch stimulates TRPV4 to induce realignment of human embryonic stem cell-derived cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 87, 65-73.	1.9	25

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127	TM9SF4 is a novel factor promoting autophagic flux under amino acid starvation. <i>Cell Death and Differentiation</i> , 2018, 25, 368-379.	11.2	25
128	RALOXIFENE, TAMOXIFEN AND VASCULAR TONE. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, 809-813.	1.9	24
129	Oxidised cholesterol is more hypercholesterolaemic and atherogenic than non-oxidised cholesterol in hamsters. <i>British Journal of Nutrition</i> , 2008, 99, 749-755.	2.3	24
130	Physiology and cell biology of acupuncture observed in calcium signaling activated by acoustic shear wave. <i>Pflügers Archiv European Journal of Physiology</i> , 2011, 462, 587-597.	2.8	24
131	ATP-driven proton pumping in two species of <i>Chara</i> differing in salt tolerance. <i>Plant, Cell and Environment</i> , 1992, 15, 199-210.	5.7	23
132	Contribution of nitric oxide and K ⁺ channel activation to vasorelaxation of isolated rat aorta induced by procaine. <i>European Journal of Pharmacology</i> , 1999, 367, 231-237.	3.5	23
133	Endothelial cell protein kinase G inhibits release of EDHF through a PKG-sensitive cation channel. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H1272-H1277.	3.2	23
134	Differential regulation of K ⁺ and Ca ²⁺ channel gene expression by chronic treatment with estrogen and tamoxifen in rat aorta. <i>European Journal of Pharmacology</i> , 2004, 483, 155-162.	3.5	23
135	TRP Channels in Vascular Endothelial Cells. <i>Advances in Experimental Medicine and Biology</i> , 2011, 704, 759-780.	1.6	23
136	Nitric oxide and protein kinase G act on TRPC1 to inhibit 11,12-EET-induced vascular relaxation. <i>Cardiovascular Research</i> , 2014, 104, 138-146.	3.8	23
137	The mechanism of transactivation regulation due to polymorphic short tandem repeats (STRs) using IGF1 promoter as a model. <i>Scientific Reports</i> , 2016, 6, 38225.	3.3	23
138	Chemotherapy enhances tumor vascularization via Notch signaling-mediated formation of tumor-derived endothelium in breast cancer. <i>Biochemical Pharmacology</i> , 2016, 118, 18-30.	4.4	23
139	TrpC5 regulates differentiation through the Ca ²⁺ /Wnt5a signalling pathway in colorectal cancer. <i>Clinical Science</i> , 2017, 131, 227-237.	4.3	23
140	Passive Proton Conductance Is the Major Reason for Membrane Depolarization and Conductance Increase in <i>Chara buckellii</i> in High-Salt Conditions. <i>Plant Physiology</i> , 1993, 103, 197-203.	4.8	22
141	TRPC3 regulates the automaticity of embryonic stem cell-derived cardiomyocytes. <i>International Journal of Cardiology</i> , 2016, 203, 169-181.	1.7	22
142	Different role of endothelium/nitric oxide in 17 β -estradiol- and progesterone-induced relaxation in rat arteries. <i>Life Sciences</i> , 2001, 69, 1609-1617.	4.3	21
143	Blockage of voltage-gated K ⁺ channels inhibits adhesion and proliferation of hepatocarcinoma cells. <i>International Journal of Molecular Medicine</i> , 2003, 11, 261.	4.0	21
144	Role of TRPV1 in the Differentiation of Mouse Embryonic Stem Cells into Cardiomyocytes. <i>PLoS ONE</i> , 2015, 10, e0133211.	2.5	21

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