Chen Yan

List of Publications by Year
in descending order

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Version: 2024-02-01

163 papers	9,255 citations	30070 54 h-index	45317 90 g-index
165 all docs	165 docs citations	165 times ranked	10666 citing authors

#	Article	IF	Citations
1	Cyclic GMP Phosphodiesterases and Regulation of Smooth Muscle Function. Circulation Research, 2003, 93, 280-291.	4.5	464
2	Cyclophilin A Is a Secreted Growth Factor Induced by Oxidative Stress. Circulation Research, 2000, 87, 789-796.	4.5	358
3	Cyclophilin A enhances vascular oxidative stress and the development of angiotensin IIâ€“induced aortic aneurysms. Nature Medicine, 2009, 15, 649-656.	30.7	332
4	Vinpocetine inhibits NF-ÎºBâ€“dependent inflammation via an IKK-dependent but PDE-independent mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9795-9800.	7.1	203
5	Endothelial Atheroprotective and Antiâ€inflammatory Mechanisms. Annals of the New York Academy of Sciences, 2001, 947, 93-111.	3.8	195
6	Upregulation of Phosphodiesterase 1A1 Expression Is Associated With the Development of Nitrate Tolerance. Circulation, 2001, 104, 2338-2343.	1.6	189
7	Cyclophilin A Mediates Vascular Remodeling by Promoting Inflammation and Vascular Smooth Muscle Cell Proliferation. Circulation, 2008, 117, 3088-3098.	1.6	189
8	Differential Regulation of Mitogen-Activated Protein Kinases ERK1/2 and ERK5 by Neurotrophins, Neuronal Activity, and cAMP in Neurons. Journal of Neuroscience, 2001, 21, 434-443.	3.6	180
9	Functional Role of Phosphodiesterase 3 in Cardiomyocyte Apoptosis. Circulation, 2005, 111, 2469-2476.	1.6	180
10	Insulin-Like Growth Factor-1 Enhances Inflammatory Responses in Endothelial Cells. Circulation Research, 2002, 90, 1222-1230.	4.5	171
11	Fluid Shear Stress Stimulates Big Mitogen-activated Protein Kinase 1 (BMK1) Activity in Endothelial Cells. Journal of Biological Chemistry, 1999, 274, 143-150.	3.4	165
12	Functional Interplay Between Angiotensin II and Nitric Oxide. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 26-36.	2.4	163
13	Role of Ca ²⁺ /Calmodulin-Stimulated Cyclic Nucleotide Phosphodiesterase 1 in Mediating Cardiomyocyte Hypertrophy. Circulation Research, 2009, 105, 956-964.	4.5	156
14	Big Mitogen-Activated Protein Kinase (BMK1)/ERK5 Protects Endothelial Cells From Apoptosis. Circulation Research, 2004, 94, 362-369.	4.5	150
15	Smooth Muscle Cell Plasticity. Circulation Research, 2013, 112, 17-22.	4.5	146
16	Molecular Cloning of Mouse ERK5/BMK1 Splice Variants and Characterization of ERK5 Functional Domains. Journal of Biological Chemistry, 2001, 276, 10870-10878.	3.4	141
17	The Calmodulin-dependent Phosphodiesterase Gene PDE1C Encodes Several Functionally Different Splice Variants in a Tissue-specific Manner. Journal of Biological Chemistry, 1996, 271, 25699-25706.	3.4	138
18	Opposing Effects of Reactive Oxygen Species and Cholesterol on Endothelial Nitric Oxide Synthase and Endothelial Cell Caveolae. Circulation Research, 1999, 85, 29-37.	4.5	131

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19	CYLD negatively regulates transforming growth factor-Î²-signalling via deubiquitinating Akt. Nature Communications, 2012, 3, 771.	12.8	128
20	Tumor Suppressor CYLD Regulates Acute Lung Injury in Lethal Streptococcus pneumoniae Infections. Immunity, 2007, 27, 349-360.	14.3	127
21	Role of Phosphodiesterase 3 in NO/cGMP-Mediated Antiinflammatory Effects in Vascular Smooth Muscle Cells. Circulation Research, 2003, 93, 406-413.	4.5	121
22	Role of Nuclear Ca ²⁺ /Calmodulin-Stimulated Phosphodiesterase 1A in Vascular Smooth Muscle Cell Growth and Survival. Circulation Research, 2006, 98, 777-784.	4.5	121
23	Angiotensin II signaling pathways mediated by tyrosine kinases. International Journal of Biochemistry and Cell Biology, 2003, 35, 780-783.	2.8	118
24	A positive feedback loop of phosphodiesterase 3 (PDE3) and inducible cAMP early repressor (ICER) leads to cardiomyocyte apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14771-14776.	7.1	118
25	Extracellular Signal-Regulated Kinase 5 SUMOylation Antagonizes Shear Stressâ€“Induced Antiinflammatory Response and Endothelial Nitric Oxide Synthase Expression in Endothelial Cells. Circulation Research, 2008, 102, 538-545.	4.5	116
26	Gas6 inhibits apoptosis in vascular smooth muscle: role of Axl kinase and Akt. Journal of Molecular and Cellular Cardiology, 2004, 37, 881-887.	1.9	115
27	The Hinge-Helix 1 Region of Peroxisome Proliferator-Activated Receptor Î³1 (PPARÎ³1) Mediates Interaction with Extracellular Signal-Regulated Kinase 5 and PPARÎ³1 Transcriptional Activation: Involvement in Flow-Induced PPARÎ³ Activation in Endothelial Cells. Molecular and Cellular Biology, 2004, 24, 8691-8704.	2.3	113
28	Regulation of Epidermal Growth Factor-induced Connexin 43 Gap Junction Communication by Big Mitogen-activated Protein Kinase 1/ERK5 but Not ERK1/2 Kinase Activation. Journal of Biological Chemistry, 2003, 278, 18682-18688.	3.4	103
29	An update on vinpocetine: New discoveries and clinical implications. European Journal of Pharmacology, 2018, 819, 30-34.	3.5	92
30	NADPH oxidase is involved in angiotensin II-induced apoptosis in H9C2 cardiac muscle cells: Effects of apocynin. Free Radical Biology and Medicine, 2006, 40, 236-246.	2.9	91
31	Differential Regulation of Endothelial Cell Permeability by cGMP via Phosphodiesterases 2 and 3. Circulation Research, 2007, 101, 811-818.	4.5	91
32	Cyclic nucleotide phosphodiesterase 1A: a key regulator of cardiac fibroblast activation and extracellular matrix remodeling in the heart. Basic Research in Cardiology, 2011, 106, 1023-1039.	5.9	91
33	Regulation of Phosphodiesterase 3 and Inducible cAMP Early Repressor in the Heart. Circulation Research, 2007, 100, 489-501.	4.5	90
34	NAD(P)H oxidase-derived reactive oxygen species regulate angiotensin-II induced adventitial fibroblast phenotypic differentiation. Biochemical and Biophysical Research Communications, 2006, 339, 337-343.	2.1	87
35	GIT1 Functions as a Scaffold for MEK1-Extracellular Signal-Regulated Kinase 1 and 2 Activation by Angiotensin II and Epidermal Growth Factor. Molecular and Cellular Biology, 2004, 24, 875-885.	2.3	86
36	TGF-Î² induces p65 acetylation to enhance bacteria-induced NF-ÎºB activation. EMBO Journal, 2007, 26, 1150-1162.	7.8	86

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37	ERK5 Activation Inhibits Inflammatory Responses via Peroxisome Proliferator-activated Receptor Î´ (PPARÎ´) Stimulation. Journal of Biological Chemistry, 2006, 281, 32164-32174.	3.4	85
38	Role of cAMP-Phosphodiesterase 1C Signaling in Regulating Growth Factor Receptor Stability, Vascular Smooth Muscle Cell Growth, Migration, and Neointimal Hyperplasia. Circulation Research, 2015, 116, 1120-1132.	4.5	80
39	GIT1 Mediates Src-dependent Activation of Phospholipase CÎ³ by Angiotensin II and Epidermal Growth Factor. Journal of Biological Chemistry, 2003, 278, 49936-49944.	3.4	79
40	Thioredoxin Interacting Protein Promotes Endothelial Cell Inflammation in Response to Disturbed Flow by Increasing Leukocyte Adhesion and Repressing Kruppel-Like Factor 2. Circulation Research, 2012, 110, 560-568.	4.5	79
41	Downregulation of Dynamin-Related Protein 1 Contributes to Impaired Autophagic Flux and Angiogenic Function in Senescent Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1413-1422.	2.4	78
42	Effects of MEK5/ERK5 Association on Small Ubiquitin-Related Modification of ERK5: Implications for Diabetic Ventricular Dysfunction After Myocardial Infarction. Circulation Research, 2008, 102, 1416-1425.	4.5	76
43	Cyclophilin A Promotes Cardiac Hypertrophy in Apolipoprotein Eâ€“Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1116-1123.	2.4	76
44	Phosphoinositide 3-Kinase Î³ Protects Against Catecholamine-Induced Ventricular Arrhythmia Through Protein Kinase Aâ€“Mediated Regulation of Distinct Phosphodiesterases. Circulation, 2012, 126, 2073-2083.	1.6	74
45	Fluid Shear Stress Activates Proline-Rich Tyrosine Kinase via Reactive Oxygen Speciesâ€“Dependent Pathway. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 1790-1796.	2.4	70
46	GIT1 Is a Scaffold for ERK1/2 Activation in Focal Adhesions. Journal of Biological Chemistry, 2005, 280, 27705-27712.	3.4	70
47	PDE1C deficiency antagonizes pathological cardiac remodeling and dysfunction. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7116-E7125.	7.1	69
48	Higenamine protects ischemia/reperfusion induced cardiac injury and myocyte apoptosis through activation of Î²2-AR/PI3K/AKT signaling pathway. Pharmacological Research, 2016, 104, 115-123.	7.1	65
49	Vinpocetine Inhibits NF-Î°B-Dependent Inflammation in Acute Ischemic Stroke Patients. Translational Stroke Research, 2018, 9, 174-184.	4.2	64
50	BMK1/ERK5 Is a Novel Regulator of Angiogenesis by Destabilizing Hypoxia Inducible Factor 1Î±. Circulation Research, 2005, 96, 1145-1151.	4.5	58
51	Activation of Extracellular Signal-Regulated Kinase 5 Reduces Cardiac Apoptosis and Dysfunction via Inhibition of a Phosphodiesterase 3A/Inducible cAMP Early Repressor Feedback Loop. Circulation Research, 2007, 100, 510-519.	4.5	58
52	Flow Antagonizes TNF-Î± Signaling in Endothelial Cells by Inhibiting Caspase-Dependent PKCÎ¶ Processing. Circulation Research, 2007, 101, 97-105.	4.5	57
53	Complement-Mediated Macrophage Polarization in Perivascular Adipose Tissue Contributes to Vascular Injury in Deoxycorticosterone Acetateâ€“Salt Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 598-606.	2.4	56
54	Developmentally Expressed Ca2+-sensitive Adenylyl Cyclase Activity Is Disrupted in the Brains of Type I Adenylyl Cyclase Mutant Mice. Journal of Biological Chemistry, 1995, 270, 14352-14357.	3.4	55

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55	Angiotensin II increases phosphodiesterase 5A expression in vascular smooth muscle cells: A mechanism by which angiotensin II antagonizes cGMP signaling. Journal of Molecular and Cellular Cardiology, 2005, 38, 175-184.	1.9	54
56	Cyclic nucleotide phosphodiesterase 3A1 protects the heart against ischemia-reperfusion injury. Journal of Molecular and Cellular Cardiology, 2013, 64, 11-19.	1.9	52
57	Vitamins C and E attenuate apoptosis, Î²-adrenergic receptor desensitization, and sarcoplasmic reticular Ca2+ ATPase downregulation after myocardial infarction. Free Radical Biology and Medicine, 2006, 40, 1827-1842.	2.9	51
58	G-Proteinâ€“Coupled Receptor Kinase Interacting Protein-1 Is Required for Pulmonary Vascular Development. Circulation, 2009, 119, 1524-1532.	1.6	51
59	Inhibition of PDE4B suppresses inflammation by increasing expression of the deubiquitinase CYLD. Nature Communications, 2013, 4, 1684.	12.8	51
60	Role of p90 Ribosomal S6 Kinase (p90RSK) in Reactive Oxygen Species and Protein Kinase C Î² (PKC-Î²)-mediated Cardiac Troponin I Phosphorylation. Journal of Biological Chemistry, 2005, 280, 24135-24142.	3.4	50
61	The lipid peroxidation product 4-hydroxynonenal inhibits NLRP3 inflammasome activation and macrophage pyroptosis. Cell Death and Differentiation, 2022, 29, 1790-1803.	11.2	48
62	Src Family Kinase and Adenosine Differentially Regulate Multiple MAP Kinases in Ischemic Myocardium: Modulation of MAP Kinases Activation by Ischemic Preconditioning. Journal of Molecular and Cellular Cardiology, 2001, 33, 1989-2005.	1.9	47
63	Tumor Suppressor Cylindromatosis Acts as a Negative Regulator for Streptococcus pneumoniae-induced NFAT Signaling. Journal of Biological Chemistry, 2008, 283, 12546-12554.	3.4	47
64	GIT1 Mediates VEGF-Induced Podosome Formation in Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 202-208.	2.4	47
65	Targeting Cyclic Nucleotide Phosphodiesterase in the Heart: Therapeutic Implications. Journal of Cardiovascular Translational Research, 2010, 3, 507-515.	2.4	47
66	Fluid shear stress inhibits TNF-mediated JNK activation via MEK5â€“BMK1 in endothelial cells. Biochemical and Biophysical Research Communications, 2008, 370, 159-163.	2.1	46
67	PDE1 isozymes, key regulators of pathological vascular remodeling. Current Opinion in Pharmacology, 2011, 11, 720-724.	3.5	46
68	p90RSK Targets the ERK5-CHIP Ubiquitin E3 Ligase Activity in Diabetic Hearts and Promotes Cardiac Apoptosis and Dysfunction. Circulation Research, 2012, 110, 536-550.	4.5	46
69	Vinpocetine Suppresses Pathological Vascular Remodeling by Inhibiting Vascular Smooth Muscle Cell Proliferation and Migration. Journal of Pharmacology and Experimental Therapeutics, 2012, 343, 479-488.	2.5	46
70	A Novel Role of Cyclic Nucleotide Phosphodiesterase 10A in Pathological Cardiac Remodeling and Dysfunction. Circulation, 2020, 141, 217-233.	1.6	46
71	A quantitative comparison of five optical coherence tomography angiography systems in clinical performance. International Journal of Ophthalmology, 2018, 11, 1784-1795.	1.1	45
72	Impaired spine formation and learning in GPCR kinase 2 interacting protein-1 (GIT1) knockout mice. Brain Research, 2010, 1317, 218-226.	2.2	42

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73	Multiprotein Complex With TRPC (Transient Receptor Potential-Canonical) Channel, PDE1C (Phosphodiesterase 1C), and A2R (Adenosine A2 Receptor) Plays a Critical Role in Regulating Cardiomyocyte cAMP and Survival. Circulation, 2018, 138, 1988-2002.	1.6	42
74	Stage and Cell-Specific Expression of Calmodulin-Dependent Phosphodiesterases in Mouse Testis1. Biology of Reproduction, 2001, 64, 1746-1754.	2.7	41
75	Novel role of C terminus of Hsc70-interacting protein (CHIP) ubiquitin ligase on inhibiting cardiac apoptosis and dysfunction via regulating ERK5-mediated degradation of inducible cAMP early repressor. FASEB Journal, 2010, 24, 4917-4928.	0.5	41
76	Vinpocetine Attenuates Pathological Cardiac Remodeling by Inhibiting Cardiac Hypertrophy and Fibrosis. Cardiovascular Drugs and Therapy, 2017, 31, 157-166.	2.6	41
77	Activation of big MAP kinase 1 (BMK1/ERK5) inhibits cardiac injury after myocardial ischemia and reperfusion. FEBS Letters, 2004, 566, 255-260.	2.8	40
78	19 Recent advances in the study of Ca2+/CaM-activated phosphodiesterases. Advances in Second Messenger and Phosphoprotein Research, 1997, , 237-251.	4.5	40
79	Atheroprotective mechanisms activated by fluid shear stress in endothelial cells. Drug News and Perspectives, 2002, 15, 133.	1.5	40
80	Reactive Oxygen Species-Induced Activation of p90 Ribosomal S6 Kinase Prolongs Cardiac Repolarization Through Inhibiting Outward K ⁺ Channel Activity. Circulation Research, 2008, 103, 269-278.	4.5	38
81	Bcr Kinase Activation by Angiotensin II Inhibits Peroxisome Proliferator-Activated Receptor Î³ Transcriptional Activity in Vascular Smooth Muscle Cells. Circulation Research, 2009, 104, 69-78.	4.5	38
82	ERK1/2 Associates with the c-Met-binding Domain of Growth Factor Receptor-bound Protein 2 (Grb2)-associated Binder-1 (Gab1). Journal of Biological Chemistry, 2004, 279, 29691-29699.	3.4	37
83	GIT1 Mediates HDAC5 Activation by Angiotensin II in Vascular Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 892-898.	2.4	37
84	GPCR kinase 2 interacting protein 1 (GIT1) regulates osteoclast function and bone mass. Journal of Cellular Physiology, 2010, 225, 777-785.	4.1	37
85	Thioredoxin-Interacting Protein Mediates Sustained VEGFR2 Signaling in Endothelial Cells Required for Angiogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 737-743.	2.4	37
86	Androgen Receptor Promotes Abdominal Aortic Aneurysm Development via Modulating Inflammatory Interleukin-1Î± and Transforming Growth Factor-Î²1 Expression. Hypertension, 2015, 66, 881-891.	2.7	37
87	Patients with advanced chronic kidney disease and vascular calcification have a large hydrodynamic radius of secondary calciprotein particles. Nephrology Dialysis Transplantation, 2019, 34, 992-1000.	0.7	37
88	Inhibition of Tumor Necrosis Factor-Î±â€“Induced SHP-2 Phosphatase Activity by Shear Stress. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1775-1781.	2.4	36
89	Role of p90 Ribosomal S6 Kinaseâ€“Mediated Prorenin-Converting Enzyme in Ischemic and Diabetic Myocardium. Circulation, 2006, 113, 1787-1798.	1.6	33
90	EVI1 Acts as an Inducible Negative-Feedback Regulator of NF-ÎºB by Inhibiting p65 Acetylation. Journal of Immunology, 2012, 188, 6371-6380.	0.8	33

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91	Vinpocetine attenuates lipid accumulation and atherosclerosis formation. Biochemical and Biophysical Research Communications, 2013, 434, 439-443.	2.1	32
92	Glucocorticoids inhibit nontypeable Haemophilus influenzae-induced MUC5AC mucin expression via MAPK phosphatase-1-dependent inhibition of p38 MAPK. Biochemical and Biophysical Research Communications, 2008, 377, 763-768.	2.1	31
93	Expression and function of vascular endothelial growth factor receptors (Flt-1 and Flk-1) in vascular adventitial fibroblasts. Journal of Molecular and Cellular Cardiology, 2007, 43, 292-300.	1.9	30
94	Ca²⁺/calmodulinâ€stimulated PDE1 regulates the betaâ€catenin/TCF signaling through PP2A B56 gamma subunit in proliferating vascular smooth muscle cells. FEBS Journal, 2010, 277, 5026-5039.	4.7	30
95	Phosphodiesterase 4B Mediates Extracellular Signal-regulated Kinase-dependent Up-regulation of Mucin MUC5AC Protein by Streptococcus pneumoniae by Inhibiting cAMP-protein Kinase A-dependent MKP-1 Phosphatase Pathway. Journal of Biological Chemistry, 2012, 287, 22799-22811.	3.4	30
96	Impaired Angiogenesis during Fracture Healing in GPCR Kinase 2 Interacting Protein-1 (GIT1) Knock Out Mice. PLoS ONE, 2014, 9, e89127.	2.5	30
97	Thioredoxin-Interacting Protein Mediates Nuclearâ€“toâ€“Plasma Membrane Communication. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1264-1270.	2.4	29
98	Therapeutic potential of PDE modulation in treating heart disease. Future Medicinal Chemistry, 2013, 5, 1607-1620.	2.3	29
99	Thioredoxin-Interacting Protein Is a Biomechanical Regulator of Src Activity. Circulation Research, 2014, 114, 1125-1132.	4.5	29
100	Osteoglycin attenuates cardiac fibrosis by suppressing cardiac myofibroblast proliferation and migration through antagonizing lysophosphatidic acid 3/matrix metalloproteinase 2/epidermal growth factor receptor signalling. Cardiovascular Research, 2018, 114, 703-712.	3.8	29
101	Synergistic induction of nuclear factor-ÎºB by transforming growth factor-Î² and tumour necrosis factor-Î± is mediated by protein kinase A-dependent RelA acetylation. Biochemical Journal, 2009, 417, 583-591.	3.7	27
102	Cross-talk between PKA-CÎ² and p65 mediates synergistic induction of PDE4B by roflumilast and NTHi. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1800-E1809.	7.1	27
103	Delivery of human NKG2D-IL-15 fusion gene by chitosan nanoparticles to enhance antitumor immunity. Biochemical and Biophysical Research Communications, 2015, 463, 336-343.	2.1	26
104	Identification of a New Variant of PDE1A Calmodulin-Stimulated Cyclic Nucleotide Phosphodiesterase Expressed in Mouse Sperm1. Biology of Reproduction, 2005, 73, 598-609.	2.7	25
105	Cyclic Nucleotide Phosphodiesterase 1 Regulates Lysosome-Dependent Type I Collagen Protein Degradation in Vascular Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 616-623.	2.4	25
106	14-3-3Î² Binds to Big Mitogen-activated Protein Kinase 1 (BMK1/ERK5) and Regulates BMK1 Function. Journal of Biological Chemistry, 2004, 279, 8787-8791.	3.4	23
107	The PDE1A-PKCÎ± Signaling Pathway Is Involved in the Upregulation of Î±-Smooth Muscle Actin by TGF-Î²₁ in Adventitial Fibroblasts. Journal of Vascular Research, 2010, 47, 9-15.	1.4	23
108	Diminished arteriolar responses in nitrate tolerance involve ROS and angiotensin II. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H2377-H2385.	3.2	20

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109	Activating transcription factor 3 SUMOylation is involved in angiotensin II-induced endothelial cell inflammation and dysfunction. Journal of Molecular and Cellular Cardiology, 2016, 92, 149-157.	1.9	20
110	Impaired Vasorelaxation in Inbred Mice Is Associated with Alterations in Both Nitric Oxide and Super Oxide Pathways. Journal of Vascular Research, 2007, 44, 504-512.	1.4	19
111	Loss of osteoglycin promotes angiogenesis in limb ischaemia mouse models via modulation of vascular endothelial growth factor and vascular endothelial growth factor receptor 2 signalling pathway. Cardiovascular Research, 2017, 113, 70-80.	3.8	19
112	p160 Bcr Mediates Platelet-Derived Growth Factor Activation of Extracellular Signal-Regulated Kinase in Vascular Smooth Muscle Cells. Circulation, 2001, 104, 1399-1406.	1.6	18
113	In cardiac myocytes, cAMP elevation triggers the down-regulation of transcripts and promoter activity for cyclic AMP phosphodiesterase-4A10 (PDE4A10). Cellular Signalling, 2008, 20, 2071-2083.	3.6	17
114	Cyclic nucleotide phosphodiesterase 1 and vascular aging. Clinical Science, 2015, 129, 1077-1081.	4.3	17
115	Glutaredoxin 1 mediates the protective effect of steady laminar flow on endothelial cells against oxidative stress-induced apoptosis via inhibiting Bim. Scientific Reports, 2017, 7, 15539.	3.3	17
116	Roles of PDE1 in Pathological Cardiac Remodeling and Dysfunction. Journal of Cardiovascular Development and Disease, 2018, 5, 22.	1.6	17
117	Vinpocetine Inhibits Streptococcus pneumoniaeâ€“Induced Upregulation of Mucin MUC5AC Expression via Induction of MKP-1 Phosphatase in the Pathogenesis of Otitis Media. Journal of Immunology, 2015, 194, 5990-5998.	0.8	16
118	Role of IgE-FcÎµR1 in Pathological Cardiac Remodeling and Dysfunction. Circulation, 2021, 143, 1014-1030.	1.6	16
119	Differential Expression of Genes from Nitrate-Tolerant Rat Aorta. Journal of Vascular Research, 2002, 39, 304-310.	1.4	15
120	The Novel Role of the C-terminal Region of SHP-2. Journal of Biological Chemistry, 2002, 277, 29330-29341.	3.4	15
121	Phospholipase CÎ³1 Mediates Intima Formation Through Aktâ€“Notch1 Signaling Independent of the Phospholipase Activity. Journal of the American Heart Association, 2017, 6, .	3.7	15
122	Opposing roles of PAK2 and PAK4 in synergistic induction of MUC5AC mucin by bacterium NTHi and EGF. Biochemical and Biophysical Research Communications, 2007, 359, 691-696.	2.1	14
123	Phosphorylation of G Proteinâ€“Coupled Receptor Kinase 2â€“Interacting Protein 1 Tyrosine 392 Is Required for Phospholipase C-Î³ Activation and Podosome Formation in Vascular Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1976-1982.	2.4	14
124	An update of cyclic nucleotide phosphodiesterase as a target for cardiac diseases. Expert Opinion on Drug Discovery, 2021, 16, 183-196.	5.0	14
125	Model-based vascular elastography improves the detection of flow-induced carotid artery remodeling in mice. Scientific Reports, 2017, 7, 12081.	3.3	11
126	Cyclic nucleotide phosphodiesterase 1C contributes to abdominal aortic aneurysm. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11

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127	Vinpocetine protects against the development of experimental abdominal aortic aneurysms. Clinical Science, 2020, 134, 2959-2976.	4.3	11
128	Novel role of C terminus of Hsc70â€interacting protein (CHIP) ubiquitin ligase on inhibiting cardiac apoptosis and dysfunction via regulating ERK5â€mediated degradation of inducible cAMP early repressor. FASEB Journal, 2010, 24, 4917-4928.	0.5	11
129	The RSK Inhibitor BIX02565 Limits Cardiac Ischemia/Reperfusion Injury. Journal of Cardiovascular Pharmacology and Therapeutics, 2016, 21, 177-186.	2.0	10
130	Perivascular gene transfer of dominant-negative N19RhoA attenuates neointimal formation via inhibition of TGF-Î²1-Smad2 signaling in rats after carotid artery balloon injury. Biochemical and Biophysical Research Communications, 2009, 389, 217-223.	2.1	9
131	Sildenafil (Viagra) Aggravates the Development of Experimental Abdominal Aortic Aneurysm. Journal of the American Heart Association, 2022, 11, e023053.	3.7	9
132	Transient hypercapnia reveals an underlying cerebrovascular pathology in a murine model for HIV-1 associated neuroinflammation: role of NO-cGMP signaling and normalization by inhibition of cyclic nucleotide phosphodiesterase-5. Journal of Neuroinflammation, 2012, 9, 253.	7.2	8
133	Phosphodiesterase 10A Is a Key Mediator of Lung Inflammation. Journal of Immunology, 2021, 206, 3010-3020.	0.8	8
134	Vinpocetine Suppresses Streptococcus pneumoniaeâ€“Induced Inflammation via Inhibition of ERK1 by CYLD. Journal of Immunology, 2020, 204, 933-942.	0.8	8
135	Thioredoxin-1 downregulation in the nucleus accumbens promotes methamphetamine-primed reinstatement in mice. Neuropharmacology, 2018, 139, 117-123.	4.1	7
136	Higenamine attenuates cardiac fibroblast abstract and fibrosis via inhibition of TGF-Î²1/Smad signaling. European Journal of Pharmacology, 2021, 900, 174013.	3.5	7
137	CCN Notch Signaling in Vascular Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 667-668.	2.4	6
138	p90 ribosomal S6 kinase regulates activity of the reninâ€“angiotensin system: A pathogenic mechanism for ischemiaâ€“reperfusion injury. Journal of Molecular and Cellular Cardiology, 2011, 51, 272-275.	1.9	6
139	Blocking FcÎ³RIIB in Smooth Muscle Cells Reduces Hypertension. Circulation Research, 2021, 129, 308-325.	4.5	6
140	Role of PDE10A in vascular smooth muscle cell hyperplasia and pathological vascular remodelling. Cardiovascular Research, 2022, 118, 2703-2717.	3.8	6
141	Biological Values of Acupuncture and Chinese Herbal Medicine: Impact on the Life Science. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-2.	1.2	4
142	Natriuretic Peptide Receptor 2 Locus Contributes to Carotid Remodeling. Journal of the American Heart Association, 2020, 9, e014257.	3.7	4
143	Dexamethasone Inhibits Synergistic Induction of PDE4B Expression by Roflumilast and Bacterium NTHi. International Journal of Molecular Sciences, 2018, 19, 3511.	4.1	3
144	Professor Yan Jun-baiâ€™s experience in treating rheumatic arthritis with suppurative moxibustion. Journal of Acupuncture and Tuina Science, 2015, 13, 212-216.	0.3	2

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145	The Protective Role of Natriuretic Peptide Receptor 2 against High Salt Injury in the Renal Papilla. American Journal of Pathology, 2019, 189, 1721-1731.	3.8	2
146	Determination of Ca²⁺/Calmodulin-Stimulated Phosphodiesterase Activity in Intact Cells. , 2005, 307, 085-092.		1
147	Response by Chen and Yan to Letter Regarding Article, â€œA Novel Role of Cyclic Nucleotide Phosphodiesterase 10A in Pathological Cardiac Remodeling and Dysfunctionâ€• Circulation, 2020, 142, e36-e37.	1.6	1
148	Regulation and Function of Cyclic Nucleotide Phosphodiesterases in Vascular Smooth Muscle and Vascular Diseases. , 2006, , .		1
149	Role of DNA methylation on the association between physical activity and cardiovascular diseases: results from the longitudinal multi-ethnic study of atherosclerosis (MESA) cohort. BMC Genomics, 2021, 22, 790.	2.8	1
150	Updates of Recent Vinpocetine Research in Treating Cardiovascular Diseases. Journal of Cellular Immunology, 2020, 2, 211-219.	0.8	1
151	Identification of Secreted Oxidative Stress-induced Factors (SOXF) and Associated Proteins: Proteomics in Vascular Biology. , 0, , 307-316.		0
152	Effect of Angiotensin II on Gene Expression of cGMP-Specific Phosphodiesterases. Sunhwan'gi, 2003, 33, 130.	0.3	0
153	Atheroprotective mechanisms of flow: inhibition of apoptosis. International Congress Series, 2004, 1262, 129-132.	0.2	0
154	Response to Letter Regarding Article, â€œRole of p90 Ribosomal S6 Kinase-Mediated Prorenin-Converting Enzyme in Ischemia and Diabetic Myocardiumâ€• Circulation, 2006, 114, .	1.6	0
155	Phosphodiesterases 1. , 2007, , 1-5.		0
156	Phosphodiesterase 1B. , 2007, , 1-7.		0
157	Corrigendum to â€œp90 ribosomal S6 kinase regulates activity of the reninâ€“angiotensin system: A pathogenic mechanism for ischemiaâ€“reperfusion injuryâ€•[J. Mol. Cell. Cardiol. 51 (2011) 272â€“275]. Journal of Molecular and Cellular Cardiology, 2012, 52, 292.	1.9	0
158	Generation of a TLR2 homozygous knockout human embryonic stem cell line WAe001-A-64 using CRISPR/Cas9 editing. Stem Cell Research, 2021, 54, 102401.	0.7	0
159	Response by Zhao et al to Letter Regarding Article, â€œRole of IgE-FcÎµRI in Pathological Cardiac Remodeling and Dysfunctionâ€• Circulation, 2021, 144, e216-e217.	1.6	0
160	Kinase Signaling in the Cardiovascular System. , 2001, , 657-677.		0
161	Phosphodiesterase 1C. , 2007, , 1-14.		0
162	Phosphodiesterase 1A. , 2007, , 1-18.		0

#	Article	IF	Citations
163	Reactive oxygen species (ROS) and advanced glycation end products (AGE)â€induced ERK5â€SUMOylation antagonizes antiâ€inflammatory effect of shear stress in endothelial cells. FASEB Journal, 2007, 21, A294.	0.5	0