Rui Wang

List of PR Articles by Year in descending order

Source: //exaly.com/author-pdf/9012363/publications.pdf

Version: 2025-02-01

234 PR articles	25,529 PR citations	5517 72 PR h-index	4043 157 g-index
245 documents	28656 doc citations	6444 76 h-index	16385 citing authors

#	Article	IF	PR Citations
1	Sulfenamide formation â€“ chemical and biochemical reactions and their applications in cell biology. Journal of Sulfur Chemistry, 2024, 45, 293-312.	1.8	7
2	Synthesis of Sulfides and Persulfides Is Not Impeded by Disruption of Three Canonical Enzymes in Sulfur Metabolism. Antioxidants, 2023, 12, 868.	5.9	36
3	Roles of Hydrogen Sulfide in Hypertension Development and Its Complications: What, So What, Now What. Hypertension, 2023, 80, 936-944.	6.9	27
4	Effect of hydrogen sulfide on glycolysisâ€based energy production in mouse erythrocytes. Journal of Cellular Physiology, 2022, 237, 763-773.	4.2	8
5	Signaling Integration of Hydrogen Sulfide and Iron on Cellular Functions. Antioxidants and Redox Signaling, 2022, 36, 275-293.	6.5	25
6	Hydrogen Sulfide Biomedical Research in Chinaâ€”20 Years of Hindsight. Antioxidants, 2022, 11, 2136.	5.9	9
7	Host cystathionine-Î³ lyase derived hydrogen sulfide protects against Pseudomonas aeruginosa sepsis. PLoS Pathogens, 2021, 17, e1009473.	4.4	21
8	Dietary restriction transforms the mammalian protein persulfidome in a tissue-specific and cystathionine Î³-lyase-dependent manner. Nature Communications, 2021, 12, .	13.9	54
9	Cystathionine gammaâ€lyase/H₂S signaling facilitates myogenesis under aging and injury condition. FASEB Journal, 2021, 35, .	0.7	17
10	Golgi Stress Response, Hydrogen Sulfide Metabolism, and Intracellular Calcium Homeostasis. Antioxidants and Redox Signaling, 2020, 32, 583-601.	6.5	59
11	H₂S-stimulated bioenergetics in chicken erythrocytes and the underlying mechanism. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R69-R78.	2.4	16
12	Hydrogen sulfide dysregulates the immune response by suppressing central carbon metabolism to promote tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6663-6674.	7.6	79
13	Cystathionine gamma-lyase/H2S system suppresses hepatic acetyl-CoA accumulation and nonalcoholic fatty liver disease in mice. Life Sciences, 2020, 252, 117661.	4.7	37
14	ATP-sensitive K+ channels and mitochondrial permeability transition pore mediate effects of hydrogen sulfide on cytosolic Ca2+ homeostasis and insulin secretion in Î²-cells. Pflugers Archiv European Journal of Physiology, 2019, 471, 1551-1564.	2.5	21
15	Cystathionine-Î³-lyase (CSE) deficiency increases erythropoiesis and promotes mitochondrial electron transport via the upregulation of coproporphyrinogen III oxidase and consequent stimulation of heme biosynthesis. Biochemical Pharmacology, 2019, 169, 113604.	5.2	16
16	Non-enzymatic hydrogen sulfide production from cysteine in blood is catalyzed by iron and vitamin B6. Communications Biology, 2019, 2, .	4.4	166
17	Hydrogen sulfide regulates cardiac mitochondrial biogenesis via the activation of AMPK. Journal of Molecular and Cellular Cardiology, 2018, 116, 29-40.	3.9	84
18	The interaction of IGF-1/IGF-1R and hydrogen sulfide on the proliferation of mouse primary vascular smooth muscle cells. Biochemical Pharmacology, 2018, 149, 143-152.	5.2	47

#	Article	IF	PR Citations
19	Amino Acid Restriction Triggers Angiogenesis via GCN2/ATF4 Regulation of VEGF and H2S Production. Cell, 2018, 173, 117-129.e14.	34.1	316
20	Hydrogen Sulfide As a Potential Target in Preventing Spermatogenic Failure and Testicular Dysfunction. Antioxidants and Redox Signaling, 2018, 28, 1447-1462.	6.5	53
21	Cystathionine gamma-lyase/hydrogen sulfide system is essential for adipogenesis and fat mass accumulation in mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 165-176.	2.4	63
22	H2S protects lipopolysaccharide-induced inflammation by blocking NFÎºB transactivation in endothelial cells. Toxicology and Applied Pharmacology, 2018, 338, 20-29.	3.3	46
23	Endogenous H2S production deficiencies lead to impaired renal erythropoietin production. Canadian Urological Association Journal, 2018, 13, .	0.6	14
24	Efflux inhibition by H2S confers sensitivity to doxorubicin-induced cell death in liver cancer cells. Life Sciences, 2018, 213, 116-125.	4.7	22
25	Reversal of Sp1 transactivation and TGFÎ²1/SMAD1 signaling by H2S prevent nickel-induced fibroblast activation. Toxicology and Applied Pharmacology, 2018, 356, 25-35.	3.3	15
26	The interaction of estrogen and CSE/H₂S pathway in the development of atherosclerosis. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H406-H414.	3.7	50
27	Age-Dependent Allergic Asthma Development and Cystathionine Gamma-Lyase Deficiency. Antioxidants and Redox Signaling, 2017, 27, 931-944.	6.5	20
28	Calcium sensing receptor protects high glucose-induced energy metabolism disorder via blocking gp78-ubiquitin proteasome pathway. Cell Death and Disease, 2017, 8, e2799-e2799.	8.7	32
29	Impact of hyperglycemia on cystathionine-Î³-lyase expression during resuscitated murine septic shock. Intensive Care Medicine Experimental, 2017, 5, .	2.5	11
30	Hypothalamic-Pituitary Axis Regulates Hydrogen Sulfide Production. Cell Metabolism, 2017, 25, 1320-1333.e5.	26.2	85
31	Microvascular Endothelial Dysfunction in Obesity Is Driven by Macrophage-Dependent Hydrogen Sulfide Depletion. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 889-899.	6.3	51
32	Cardiovascular disease and resuscitated septic shock lead to the downregulation of the H2S-producing enzyme cystathionine-Î³-lyase in the porcine coronary artery. Intensive Care Medicine Experimental, 2017, 5, .	2.5	30
33	Dual effects of fructose on ChREBP and FoxO1/3Î± are responsible for AldoB up-regulation and vascular remodelling. Clinical Science, 2017, 131, 309-325.	6.4	14
34	Essential role of Cdc42 in cardiomyocyte proliferation and cell-cell adhesion during heart development. Developmental Biology, 2017, 421, 271-283.	1.9	45
35	Role of cystathionine-Î³-lyase in hypoxia-induced changes in TASK activity, intracellular [Ca 2+] and ventilation in mice. Respiratory Physiology and Neurobiology, 2017, 246, 98-106.	1.5	28
36	The Role of Cystathionine-Î³-Lyase In Blunt Chest Trauma in Cigarette Smoke Exposed Mice. Shock, 2017, 47, 491-499.	2.4	18

#	Article	IF	PR Citations
37	Exogenous H2S restores ischemic post-conditioning-induced cardioprotection through inhibiting endoplasmic reticulum stress in the aged cardiomyocytes. Cell and Bioscience, 2017, 7, .	5.6	23
38	3-Mercaptopyruvate Sulfurtransferase, Not Cystathionine Î²-Synthase Nor Cystathionine Î³-Lyase, Mediates Hypoxia-Induced Migration of Vascular Endothelial Cells. Frontiers in Pharmacology, 2017, 8, .	4.0	28
39	Hydrogen Sulfide Regulates the [Ca²⁺]_i Level in the Primary Medullary Neurons. Oxidative Medicine and Cellular Longevity, 2016, 2016, .	4.6	11
40	Bach1 Induces Endothelial Cell Apoptosis and Cellâ€Cycle Arrest through ROS Generation. Oxidative Medicine and Cellular Longevity, 2016, 2016, .	4.6	60
41	Involvement of exogenous H2S in recovery of cardioprotection from ischemic post-conditioning via increase of autophagy in the aged hearts. International Journal of Cardiology, 2016, 220, 681-692.	2.3	76
42	Stimulatory effect of CSE-generated H2S on hepatic mitochondrial biogenesis and the underlying mechanisms. Nitric Oxide - Biology and Chemistry, 2016, 58, 67-76.	3.1	57
43	Exogenous H2S contributes to recovery of ischemic post-conditioning-induced cardioprotection by decrease of ROS level via down-regulation of NF-ÎºB and JAK2-STAT3 pathways in the aging cardiomyocytes. Cell and Bioscience, 2016, 6, .	5.6	50
44	The novel H₂S donor 4â€carboxyâ€phenyl isothiocyanate inhibits mast cell degranulation and renin release by decreasing intracellular calcium. British Journal of Pharmacology, 2016, 173, 3222-3234.	6.5	35
45	S- Sulfhydration of ATP synthase by hydrogen sulfide stimulates mitochondrial bioenergetics. Pharmacological Research, 2016, 113, 116-124.	9.4	187
46	Hydrogen Sulfide Regulates KrÃ¼ppelâ€Like Factor 5 Transcription Activity via Specificity Protein 1 Sâ€Sulfhydration at Cys664 to Prevent Myocardial Hypertrophy. Journal of the American Heart Association, 2016, 5, .	4.3	75
47	Exogenous spermine inhibits the proliferation of human pulmonary artery smooth muscle cells caused by chemically-induced hypoxia via the suppression of the ERK1/2- and PI3K/AKT-associated pathways. International Journal of Molecular Medicine, 2016, 37, 39-46.	4.5	22
48	Transduction of interleukin-10 through renal artery attenuates vascular neointimal proliferation and infiltration of immune cells in rat renal allograft. Immunology Letters, 2016, 176, 105-113.	2.5	5
49	Hydrogen Sulfide Induced Erythropoietin Synthesis is Regulated by HIF Proteins. Journal of Urology, 2016, 196, 251-260.	4.5	23
50	Decreased Gluconeogenesis in the Absence of Cystathionine Gamma-Lyase and the Underlying Mechanisms. Antioxidants and Redox Signaling, 2016, 24, 129-140.	6.5	60
51	Metabolic changes of H2S in smokers and patients of COPD which might involve in inflammation, oxidative stress and steroid sensitivity. Scientific Reports, 2015, 5, .	3.5	43
52	Hydrogen Sulfide Protects from Colitis and Restores Intestinal Microbiota Biofilm and Mucus Production. Inflammatory Bowel Diseases, 2015, 21, 1006-1017.	3.0	187
53	Interaction of H₂S with Calcium Permeable Channels and Transporters. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-7.	4.6	31
54	An Anticancer Role of Hydrogen Sulfide in Human Gastric Cancer Cells. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-8.	4.6	34

#	Article	IF	PR Citations
55	Hydrogen Sulfide Donor GYY4137 Protects against Myocardial Fibrosis. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-14.	4.6	82
56	Proresolution effects of hydrogen sulfide during colitis are mediated through hypoxiaâ€inducible factorâ€1Î±. FASEB Journal, 2015, 29, 1591-1602.	0.7	58
57	Role of cGMP in hydrogen sulfide signaling. Nitric Oxide - Biology and Chemistry, 2015, 46, 7-13.	3.1	44
58	Deficiency of cystathionine gamma-lyase and hepatic cholesterol accumulation during mouse fatty liver development. Science Bulletin, 2015, 60, 336-347.	9.6	36
59	Bach1 Represses Wnt/Î²-Catenin Signaling and Angiogenesis. Circulation Research, 2015, 117, 364-375.	12.5	133
60	The role of H2S bioavailability in endothelial dysfunction. Trends in Pharmacological Sciences, 2015, 36, 568-578.	11.8	154
61	Mediation of exogenous hydrogen sulfide in recovery of ischemic post-conditioning-induced cardioprotection via down-regulating oxidative stress and up-regulating PI3K/Akt/GSK-3Î² pathway in isolated aging rat hearts. Cell and Bioscience, 2015, 5, 11.	5.6	59
62	Hydrogen sulfide-based therapeutics: exploiting a unique but ubiquitous gasotransmitter. Nature Reviews Drug Discovery, 2015, 14, 329-345.	82.4	802
63	Cystathionine Î³-lyase regulates arteriogenesis through NO-dependent monocyte recruitment. Cardiovascular Research, 2015, 107, 590-600.	5.7	64
64	Exogenous hydrogen sulfide restores cardioprotection of ischemic post-conditioning via inhibition of mPTP opening in the aging cardiomyocytes. Cell and Bioscience, 2015, 5, .	5.6	39
65	Endogenous Hydrogen Sulfide Production Is Essential for Dietary Restriction Benefits. Cell, 2015, 160, 132-144.	34.1	537
66	Hydrogen sulphide in human nasal air quantified using thermal desorption and selected ion flow tube mass spectrometry. Journal of Breath Research, 2014, 8, 036002.	3.0	13
67	The coordination of S-sulfhydration, S-nitrosylation, and phosphorylation of endothelial nitric oxide synthase by hydrogen sulfide. Science Signaling, 2014, 7, .	5.5	192
68	Hydrogen sulfide cytoprotective signaling is endothelial nitric oxide synthase-nitric oxide dependent. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3182-3187.	7.6	343
69	Inhibitory Effect of Hydrogen Sulfide on Platelet Aggregation and the Underlying Mechanisms. Journal of Cardiovascular Pharmacology, 2014, 64, 481-487.	2.1	24
70	Cystathionine Î³-Lyase Deficiency Protects Mice from Galactosamine/Lipopolysaccharide-Induced Acute Liver Failure. Antioxidants and Redox Signaling, 2014, 20, 204-216.	6.5	90
71	Hydrogen sulfide and the liver. Nitric Oxide - Biology and Chemistry, 2014, 41, 62-71.	3.1	152
72	Mediation of dopamine D2 receptors activation in post-conditioning-attenuated cardiomyocyte apoptosis. Experimental Cell Research, 2014, 323, 118-130.	3.2	28

#	Article	IF	PR Citations
73	S-sulfhydration of <scp>MEK</scp> 1 leads to <scp>PARP</scp> â€¡ activation and [illegible]	5.2	142
74	Involvement of calcium-sensing receptors in hypoxia-induced vascular remodeling and pulmonary hypertension by promoting phenotypic modulation of small pulmonary arteries. Molecular and Cellular Biochemistry, 2014, 396, 87-98.	3.3	40
75	H2S during circulatory shock: Some unresolved questions. Nitric Oxide - Biology and Chemistry, 2014, 41, 48-61.	3.1	58
76	H2S relaxes isolated human airway smooth muscle cells via the sarcolemmal KATP channel. Biochemical and Biophysical Research Communications, 2014, 446, 393-398.	2.1	44
77	Hydrogen Sulfide and the Pathogenesis of Atherosclerosis. Antioxidants and Redox Signaling, 2014, 20, 805-817.	6.5	131
78	Hydrogen Sulfide and Endothelial Dysfunction: Relationship with Nitric Oxide. Current Medicinal Chemistry, 2014, 21, 3646-3661.	2.6	80
79	Involvement of dopamine D2 receptors activation in ischemic post-conditioning-induced cardioprotection through promoting PKC-Îµ particulate translocation in isolated rat hearts. Molecular and Cellular Biochemistry, 2013, 379, 267-276.	3.3	19
80	Crosstalk between hydrogen sulfide and nitric oxide in endothelial cells. Journal of Cellular and Molecular Medicine, 2013, 17, 879-888.	4.1	158
81	Hydrogen Sulfide Protects Against Cellular Senescence via S-Sulfhydration of Keap1 and Activation of Nrf2. Antioxidants and Redox Signaling, 2013, 18, 1906-1919.	6.5	556
82	The Inhibitory Role of Hydrogen Sulfide in Airway Hyperresponsiveness and Inflammation in a Mouse Model of Asthma. American Journal of Pathology, 2013, 182, 1188-1195.	3.4	91
83	H₂S Is an Endothelium-Derived Hyperpolarizing Factor. Antioxidants and Redox Signaling, 2013, 19, 1634-1646.	6.5	131
84	H ₂ S Protects Against Pressure Overloadâ€“Induced Heart Failure via Upregulation of Endothelial Nitric Oxide Synthase. Circulation, 2013, 127, 1116-1127.	25.2	342
85	Hydrogen Sulfide Impairs Glucose Utilization and Increases Gluconeogenesis in Hepatocytes. Endocrinology, 2013, 154, 114-126.	2.6	82
86	The expression of calcium-sensing receptor in mouse embryonic stem cells (mESCs) and its influence on differentiation of mESC into cardiomyocytes. Differentiation, 2013, 85, 32-40.	2.4	9
87	Decreased Endogenous Production of Hydrogen Sulfide Accelerates Atherosclerosis. Circulation, 2013, 127, 2523-2534.	25.2	366
88	Cystathionine Î³-Lyase Protects against Renal Ischemia/Reperfusion by Modulating Oxidative Stress. Journal of the American Society of Nephrology: JASN, 2013, 24, 759-770.	0.4	185
89	Dysregulation of Hydrogen Sulfide Producing Enzyme Cystathionine Î³-lyase Contributes to Maternal Hypertension and Placental Abnormalities in Preeclampsia. Circulation, 2013, 127, 2514-2522.	25.2	252
90	Upâ€regulation of aldolase <scp>A</scp> and methylglyoxal production in adipocytes. British Journal of Pharmacology, 2013, 168, 1639-1646.	6.5	12

#	Article	IF	PR Citations
91	Oxygen-sensitive mitochondrial accumulation of cystathionine Î²-synthase mediated by Lon protease. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12679-12684.	7.6	203
92	A Comparison of Moisture Removing Strategies for Breath Samples Spiked with Trace Concentrations of Hydrogen Sulphide. Current Analytical Chemistry, 2013, 9, 312-318.	1.4	2
93	H2S Inhibits Hyperglycemia-Induced Intrarenal Renin-Angiotensin System Activation via Attenuation of Reactive Oxygen Species Generation. PLoS ONE, 2013, 8, e74366.	2.4	76
94	Enhanced Synthesis and Diminished Degradation of Hydrogen Sulfide in Experimental Colitis: A Site-Specific, Pro-Resolution Mechanism. PLoS ONE, 2013, 8, e71962.	2.4	68
95	Is cystathionine gamma-lyase protein expressed in the heart?. Biochemical and Biophysical Research Communications, 2012, 428, 469-474.	2.1	20
96	The message in the air: Hydrogen sulfide metabolism in chronic respiratory diseases. Respiratory Physiology and Neurobiology, 2012, 184, 130-138.	1.5	63
97	Exogenous hydrogen sulfide attenuates diabetic myocardial injury through cardiac mitochondrial protection. Molecular and Cellular Biochemistry, 2012, 371, 187-198.	3.3	36
98	Increased neointimal formation in cystathionine gamma-lyase deficient mice: Role of hydrogen sulfide in Î±5Î²1-integrin and matrix metalloproteinase-2 expression in smooth muscle cells. Journal of Molecular and Cellular Cardiology, 2012, 52, 677-688.	3.9	75
99	Decrease in calcium-sensing receptor in the progress of diabetic cardiomyopathy. Diabetes Research and Clinical Practice, 2012, 95, 378-385.	6.2	38
100	Hydrogen sulfide (H) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 392 Td (₂) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (National Academy of Sciences of the United States of America, 2012, 109, 2943-2948.	7.6	459
101	Hydrogen sulfide inhibits the translational expression of hypoxiaâ€inducible factorâ€1Î±. British Journal of Pharmacology, 2012, 167, 1492-1505.	6.5	68
102	Aldolase B Knockdown Prevents High Glucose-Induced Methylglyoxal Overproduction and Cellular Dysfunction in Endothelial Cells. PLoS ONE, 2012, 7, e41495.	2.4	20
103	Interaction of Hydrogen Sulfide and Estrogen on the Proliferation of Vascular Smooth Muscle Cells. PLoS ONE, 2012, 7, e41614.	2.4	31
104	Integrated Stress Response Modulates Cellular Redox State via Induction of Cystathionine Î³-Lyase. Journal of Biological Chemistry, 2012, 287, 7603-7614.	2.2	122
105	MicroRNAâ€21 represses human cystathionine gammaâ€lyase expression by targeting at specificity proteinâ€1 in smooth muscle cells. Journal of Cellular Physiology, 2012, 227, 3192-3200.	4.2	68
106	Physiological Implications of Hydrogen Sulfide: A Whiff Exploration That Blossomed. Physiological Reviews, 2012, 92, 791-896.	25.9	1,834
107	Increased expression of calcium-sensing receptors in atherosclerosis confers hypersensitivity to acute myocardial infarction in rats. Molecular and Cellular Biochemistry, 2012, 366, 345-354.	3.3	39
108	Analytical measurement of discrete hydrogen sulfide pools in biological specimens. Free Radical Biology and Medicine, 2012, 52, 2276-2283.	3.8	213

#	Article	IF	PR Citations
109	cGMP-Dependent Protein Kinase Contributes to Hydrogen Sulfide-Stimulated Vasorelaxation. PLoS ONE, 2012, 7, e53319.	2.4	131
110	Follow-through after breakthrough. Expert Review of Clinical Pharmacology, 2011, 4, 1-3.	2.7	0
111	Rescue of mesangial cells from high glucose-induced over-proliferation and extracellular matrix secretion by hydrogen sulfide. Nephrology Dialysis Transplantation, 2011, 26, 2119-2126.	0.8	104
112	The Pathogenic Role of Cystathionine Î³-Lyase/Hydrogen Sulfide in Streptozotocin-Induced Diabetes in Mice. American Journal of Pathology, 2011, 179, 869-879.	3.4	78
113	Hydrogen sulfide improves drought resistance in Arabidopsis thaliana. Biochemical and Biophysical Research Communications, 2011, 414, 481-486.	2.1	247
114	Signaling pathways for the vascular effects of hydrogen sulfide. Current Opinion in Nephrology and Hypertension, 2011, 20, 107-112.	2.3	118
115	Calciumâ€sensing receptors induce apoptosis during simulated ischaemiaâ€“reperfusion in Buffalo rat liver cells. Clinical and Experimental Pharmacology and Physiology, 2011, 38, 605-612.	2.4	25
116	The Calcium-Sensing Receptor Mediates Hypoxia-Induced Proliferation of Rat Pulmonary Artery Smooth Muscle Cells Through MEK1/ERK1,2 and PI3K Pathways. Basic and Clinical Pharmacology and Toxicology, 2011, 108, 185-193.	2.9	35
117	Hydrogen sulfide and asthma. Experimental Physiology, 2011, 96, 847-852.	2.6	93
118	Measurement of plasma hydrogen sulfide in vivo and in vitro. Free Radical Biology and Medicine, 2011, 50, 1021-1031.	3.8	315
119	A critical life-supporting role for cystathionine Î³-lyase in the absence of dietary cysteine supply. Free Radical Biology and Medicine, 2011, 50, 1280-1287.	3.8	91
120	Identification of a Novel Bacterial K+ Channel. Journal of Membrane Biology, 2011, 242, 153-164.	2.5	3
121	The functional expression of extracellular calcium-sensing receptor in rat pulmonary artery smooth muscle cells. Journal of Biomedical Science, 2011, 18, .	11.1	27
122	Role of dopamine D2 receptors in ischemia/reperfusion induced apoptosis of cultured neonatal rat cardiomyocytes. Journal of Biomedical Science, 2011, 18, .	11.1	54
123	Upregulation of aldolase B and overproduction of methylglyoxal in vascular tissues from rats with metabolic syndrome. Cardiovascular Research, 2011, 92, 494-503.	5.7	65
124	Specificity Protein-1 as a Critical Regulator of Human Cystathionine Î³-Lyase in Smooth Muscle Cells. Journal of Biological Chemistry, 2011, 286, 26450-26460.	2.2	80
125	Hydrogen Sulfide as Endothelium-Derived Hyperpolarizing Factor Sulfhydrates Potassium Channels. Circulation Research, 2011, 109, 1259-1268.	12.5	584
126	Hydrogen sulfide replacement therapy protects the vascular endothelium in hyperglycemia by preserving mitochondrial function. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13829-13834.	7.6	280

#	Article	IF	PR Citations
127	Modification of Akt1 by methylglyoxal promotes the proliferation of vascular smooth muscle cells. FASEB Journal, 2011, 25, 1746-1757.	0.7	45
128	Involvement of calcium-sensing receptor in oxLDL-induced MMP-2 production in vascular smooth muscle cells via PI3K/Akt pathway. Molecular and Cellular Biochemistry, 2011, 362, 115-122.	3.3	27
129	Calciumâ€sensing Receptors Induce Apoptosis in Rat Cardiomyocytes via the Endo(sarco)plasmic Reticulum Pathway during Hypoxia/Reoxygenation. Basic and Clinical Pharmacology and Toxicology, 2010, 106, 396-405.	2.9	30
130	The functional expression of calcium-sensing receptor in the differentiated THP-1 cells. Molecular and Cellular Biochemistry, 2010, 342, 233-240.	3.3	22
131	The functional expression of calcium-sensing receptors in BRL cells and related signal transduction pathway responsible for intracellular calcium elevation. Molecular and Cellular Biochemistry, 2010, 343, 13-19.	3.3	15
132	Calcium-sensing receptors regulate cardiomyocyte Ca2+ signaling via the sarcoplasmic reticulum-mitochondrion interface during hypoxia/reoxygenation. Journal of Biomedical Science, 2010, 17, .	11.1	38
133	Toxic Gas, Lifesaver. Scientific American, 2010, 302, 66-71.	0.1	26
134	Increased expression of calciumâ€sensing receptors induced by oxâ€LDL amplifies apoptosis of cardiomyocytes during simulated ischaemiaâ€“reperfusion. Clinical and Experimental Pharmacology and Physiology, 2010, 37, .	2.4	31
135	Interaction of hydrogen sulfide with ion channels. Clinical and Experimental Pharmacology and Physiology, 2010, 37, 753-763.	2.4	143
136	Molecular Mechanism for H₂S-Induced Activation of K_{ATP}Channels. Antioxidants and Redox Signaling, 2010, 12, 1167-1178.	6.5	198
137	Hydrogen Sulfide Inhibits Plasma Renin Activity. Journal of the American Society of Nephrology: JASN, 2010, 21, 993-1002.	0.4	161
138	Hydrogen Sulfide: The Third Gasotransmitter in Biology and Medicine. Antioxidants and Redox Signaling, 2010, 12, 1061-1064.	6.5	272
139	Butyrate-stimulated H₂S Production in Colon Cancer Cells. Antioxidants and Redox Signaling, 2010, 12, 1101-1109.	6.5	83
140	Cystathionine gamma-lyase deficiency and overproliferation of smooth muscle cells. Cardiovascular Research, 2010, 86, 487-495.	5.7	149
141	Altered circadian rhythm of cardiac Î²3-adrenoceptor activity following myocardial infarction in the rat. Basic Research in Cardiology, 2010, 106, 37-50.	7.1	15
142	Hydrogen sulfide is an endogenous stimulator of angiogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21972-21977.	7.6	839
143	Involvement of the ornithine decarboxylase/polyamine system in precondition-induced cardioprotection through an interaction with PKC in rat hearts. Molecular and Cellular Biochemistry, 2009, 332, 135-144.	3.3	17
144	DOPAMINE D2 RECEPTOR STIMULATION INHIBITS ANGIOTENSIN IIâ€INDUCED HYPERTROPHY IN CULTURED NEONATAL RAT VENTRICULAR MYOCYTES. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 312-318.	2.4	18

#	Article	IF	PR Citations
145	Erratum to â€œCalcium-sensing receptor induces apoptosis in cultured neonatal rat ventricular cardiomyocytes during simulated ischemia/reperfusionâ€•[Cell Biol Int 32 (2008) 792-800]. Cell Biology International, 2009, 33, 254-254.	3.0	0
146	The endogenous production of hydrogen sulphide in intrauterine tissues. Reproductive Biology and Endocrinology, 2009, 7, .	4.3	110
147	Hydrogen sulfide: a new EDRF. Kidney International, 2009, 76, 700-704.	5.0	144
148	H ₂ S Signals Through Protein S-Sulfhydration. Science Signaling, 2009, 2, .	5.5	1,182
149	Non-functionalized carbon nanotube binding with hemoglobin. Colloids and Surfaces B: Biointerfaces, 2008, 65, 146-149.	5.4	22
150	Calciumâ€sensing receptors induce apoptosis in cultured neonatal rat ventricular cardiomyocytes during simulated ischemia/reperfusion. Cell Biology International, 2008, 32, 792-800.	3.0	35
151	H ₂ S as a Physiologic Vasorelaxant: Hypertension in Mice with Deletion of Cystathionine Î³-Lyase. Science, 2008, 322, 587-590.	36.4	2,270
152	Modulation of methylglyoxal and glutathione by soybean isoflavones in mild streptozotocin-induced diabetic rats. Nutrition, Metabolism and Cardiovascular Diseases, 2008, 18, 618-623.	3.4	20
153	Dietary soy isoflavones increase insulin secretion and prevent the development of diabetic cataracts in streptozotocin-induced diabetic rats. Nutrition Research, 2008, 28, 464-471.	2.8	80
154	Nerve sprouting suppresses myocardial Ito and IK1 channels and increases severity to ventricular fibrillation in rat. Autonomic Neuroscience: Basic and Clinical, 2008, 144, 22-29.	3.1	30
155	Hydrogen sulfide as an oxygen sensor in trout gill chemoreceptors. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R669-R680.	2.4	111
156	Inhibition of vascular smooth muscle cell proliferation by chronic hemin treatment. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H999-H1007.	3.7	31
157	Toward new instruments for measurement of low concentration hydrogen sulfide in small-quantity aqueous solutions. Measurement Science and Technology, 2008, 19, 115602.	3.1	3
158	Chemical sympathetic denervation, suppression of myocardial transient outward potassium current, and ventricular fibrillation in the rat. Canadian Journal of Physiology and Pharmacology, 2008, 86, 700-709.	1.8	13
159	Pancreatic islet overproduction of H2S and suppressed insulin release in Zucker diabetic rats. Laboratory Investigation, 2008, 89, 59-67.	3.3	212
160	H2S, Endoplasmic Reticulum Stress, and Apoptosis of Insulin-secreting Beta Cells. Journal of Biological Chemistry, 2007, 282, 16567-16576.	2.2	181
161	Involvement of calcium sensing receptor in myocardial ischemia/reperfusion injury and apoptosis*. Journal of Molecular and Cellular Cardiology, 2007, 42, S80-S81.	3.9	1
162	Post-conditioning protects rat cardiomyocytes via PKCÎµ-mediated calcium-sensing receptors. Biochemical and Biophysical Research Communications, 2007, 361, 659-664.	2.1	22

#	Article	IF	PR Citations
163	Protective Effect of Hydrogen Sulfide on Balloon Injury-Induced Neointima Hyperplasia in Rat Carotid Arteries. American Journal of Pathology, 2007, 170, 1406-1414.	3.4	130
164	Role of polyamines in myocardial ischemia/reperfusion injury and their interactions with nitric oxide. European Journal of Pharmacology, 2007, 562, 236-246.	4.4	51
165	Sulphonylureas induced vasorelaxation of mouse arteries. European Journal of Pharmacology, 2007, 577, 124-128.	4.4	10
166	Contractile effect of ghrelin on isolated guinea-pig renal arteries. Vascular Pharmacology, 2007, 47, 31-40.	2.5	20
167	Proâ€apoptotic effect of endogenous H 2 S on human aorta smooth muscle cells. FASEB Journal, 2006, 20, 553-555.	0.7	299
168	Modulation of Cardiac and Aortic Peroxisome Proliferator-Activated Receptor-Î³ Expression by Oxidative Stress in Chronically Glucose-Fed Rats. American Journal of Hypertension, 2006, 19, 407-412.	2.0	30
169	Altered Expression of BK Channel Î²1 Subunit in Vascular Tissues from Spontaneously Hypertensive Rats. American Journal of Hypertension, 2006, 19, 678-685.	2.0	35
170	Involvement of calcium-sensing receptor in ischemia/reperfusion-induced apoptosis in rat cardiomyocytes. Biochemical and Biophysical Research Communications, 2006, 347, 872-881.	2.1	70
171	Calcium-sensing receptor induces rat neonatal ventricular cardiomyocyte apoptosis. Biochemical and Biophysical Research Communications, 2006, 350, 942-948.	2.1	59
172	Effects of hydrogen sulfide on homocysteine-induced oxidative stress in vascular smooth muscle cells. Biochemical and Biophysical Research Communications, 2006, 351, 485-491.	2.1	170
173	Carbon monoxide and hydrogen sulfide: gaseous messengers in cerebrovascular circulation. Journal of Applied Physiology, 2006, 100, 1065-1076.	2.9	183
174	Increased HO-1 Expression and Decreased iNOS Expression in the Hippocampus From Adult Spontaneously Hypertensive Rats. Cell Biochemistry and Biophysics, 2006, 46, 35-42.	2.0	20
175	Increased Intracavernosal Pressure Response in Hypertensive Rats After Chronic Hemin Treatment. Journal of Sexual Medicine, 2006, 3, 619-627.	0.5	19
176	Sustained Normalization of High Blood Pressure in Spontaneously Hypertensive Rats by Implanted Hemin Pump. Hypertension, 2006, 48, 685-692.	6.9	66
177	Mediation of the Effect of Nicotine on Kir6.1 Channels by Superoxide Anion Production. Journal of Cardiovascular Pharmacology, 2005, 45, 447-455.	2.1	10
178	Activation of KATPchannels by H2S in rat insulin-secreting cells and the underlying mechanisms. Journal of Physiology, 2005, 569, 519-531.	3.4	452
179	Interaction of acetylcholine with Kir6.1 channels heterologously expressed in human embryonic kidney cells. European Journal of Pharmacology, 2005, 515, 34-42.	4.4	0
180	Methylglyoxal-induced nitric oxide and peroxynitrite production in vascular smooth muscle cells. Free Radical Biology and Medicine, 2005, 38, 286-293.	3.8	129

#	Article	IF	PR Citations
181	Complex Expression and Localization of Inactivating Kv Channels in Cultured Hippocampal Astrocytes. Journal of Neurophysiology, 2005, 93, 1699-1709.	2.1	36
182	Continuous inhalation of carbon monoxide attenuates hypoxic pulmonary hypertension development presumably through activation of BK channels. Cardiovascular Research, 2005, 65, 751-761.	5.7	65
183	Direct Stimulation of KATP Channels by Exogenous and Endogenous Hydrogen Sulfide in Vascular Smooth Muscle Cells. Molecular Pharmacology, 2005, 68, 1757-1764.	2.7	276
184	The Effect of Hydroxylamine on KATP Channels in Vascular Smooth Muscle and Underlying Mechanisms. Molecular Pharmacology, 2005, 67, 1723-1731.	2.7	18
185	Carbon Monoxide: Endogenous Production, Physiological Functions, and Pharmacological Applications. Pharmacological Reviews, 2005, 57, 585-630.	16.0	889
186	Cystathionine Î³-Lyase Overexpression Inhibits Cell Proliferation via a H2S-dependent Modulation of ERK1/2 Phosphorylation and p21Cip/WAK-1. Journal of Biological Chemistry, 2004, 279, 49199-49205.	2.2	143
187	Altered Vascular Reactivity and KATP Channel Currents in Vascular Smooth Muscle Cells from Deoxycorticosterone Acetate (DOCA)-Salt Hypertensive Rats. Journal of Cardiovascular Pharmacology, 2004, 44, 525-531.	2.1	27
188	Dietary approach to attenuate oxidative stress, hypertension, and inflammation in the cardiovascular system. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7094-7099.	7.6	268
189	Hydrogen sulfideâ€induced apoptosis of human aorta smooth muscle cells via the activation of mitogenâ€activated protein kinases and caspaseâ€3. FASEB Journal, 2004, 18, 1782-1784.	0.7	280
190	Hydrogen sulfide-induced relaxation of resistance mesenteric artery beds of rats. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H2316-H2323.	3.7	391
191	Inhibitory effect of protopine on KATP channel subunits expressed in HEK-293 cells. European Journal of Pharmacology, 2004, 506, 93-100.	4.4	18
192	Selective expression of Kir6.1 protein in different vascular and non-vascular tissues. Biochemical Pharmacology, 2004, 67, 147-156.	5.2	34
193	Beneficial and deleterious effects of rosiglitazone on hypertension development in spontaneously hypertensive rats. American Journal of Hypertension, 2004, 17, 749-756.	2.0	53
194	Carbon monoxide and hypertension. Journal of Hypertension, 2004, 22, 1057-1074.	2.3	97
195	Activation of calcineurin expression in ischemia-reperfused rat heart and in human ischemic myocardium. Journal of Cellular Biochemistry, 2003, 90, 987-997.	3.1	41
196	Calcium and polyamine regulated calciumâ€sensing receptors in cardiac tissues. FEBS Journal, 2003, 270, 2680-2688.	0.2	131
197	Modulation of endogenous production of H2S in rat tissues. Canadian Journal of Physiology and Pharmacology, 2003, 81, 848-853.	1.8	220
198	The Gasotransmitter Role of Hydrogen Sulfide. Antioxidants and Redox Signaling, 2003, 5, 493-501.	6.5	488

#	Article	IF	PR Citations
199	Induction of heme oxygenase-1 and stimulation of cGMP production by hemin in aortic tissues from hypertensive rats. Blood, 2003, 101, 3893-3900.	4.2	82
200	Selective Regulation of Blood Pressure by Heme Oxygenase-1 in Hypertension. Hypertension, 2002, 40, 315-321.	6.9	98
201	H₂S-induced vasorelaxation and underlying cellular and molecular mechanisms. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H474-H480.	3.7	456
202	Calyculin A and Outward K+ Channel Currents in Rat Tail Artery Smooth Muscle Cells. Journal of Cardiovascular Pharmacology, 2002, 40, 660-668.	2.1	5
203	Calmodulin-dependent cyclic nucleotide phosphodiesterase in an experimental rat model of cardiac ischemiaÂ–reperfusion. Canadian Journal of Physiology and Pharmacology, 2002, 80, 59-66.	1.8	6
204	Molecular basis of ATP-sensitive K+ channels in rat vascular smooth muscles. Biochemical and Biophysical Research Communications, 2002, 296, 463-469.	2.1	37
205	Altered profile of gene expression in rat hearts induced by chronic nicotine consumption. Biochemical and Biophysical Research Communications, 2002, 297, 729-736.	2.1	33
206	Contributions of Kv1.2, Kv1.5 and Kv2.1 subunits to the native delayed rectifier K+ current in rat mesenteric artery smooth muscle cells. Life Sciences, 2002, 71, 1465-1473.	4.7	60
207	Two's company, three's a crowd: can H₂S be the third endogenous gaseous transmitter?. FASEB Journal, 2002, 16, 1792-1798.	0.7	1,758
208	Altered expression and localization ofN-myristoyltransferase in experimentally induced rat model of ischemia-reperfusion. Journal of Cellular Biochemistry, 2002, 86, 509-519.	3.1	9
209	Title is missing!. Molecular and Cellular Biochemistry, 2002, 238, 69-79.	3.3	75
210	Title is missing!. Molecular and Cellular Biochemistry, 2002, 240, 57-65.	3.3	31
211	Differential expression of KV and KCa channels in vascular smooth muscle cells during 1-day culture. Pflugers Archiv European Journal of Physiology, 2001, 442, 124-135.	2.5	23
212	Haeme oxygenaseâ€1 and cardiac anaphylaxis. British Journal of Pharmacology, 2001, 134, 1689-1696.	6.5	25
213	Molecular basis of voltage-dependent delayed rectifier K+ channels in smooth muscle cells from rat tail artery. Life Sciences, 2000, 66, 2023-2033.	4.7	27
214	Three different vasoactive responses of rat tail artery to nicotine. Canadian Journal of Physiology and Pharmacology, 2000, 78, 20-28.	1.8	15
215	Novel cardiac protective effects of urea: from shark to rat. British Journal of Pharmacology, 1999, 128, 1477-1484.	6.5	42
216	Effects of nicotine on K+ channel currents in vascular smooth muscle cells from rat tail arteries. European Journal of Pharmacology, 1999, 364, 247-254.	4.4	32

#	Article	IF	PR Citations
217	Title is missing!. Molecular and Cellular Biochemistry, 1998, 183, 79-85.	3.3	16
218	Kinin B2 receptor-mediated contraction of tail arteries from normal or streptozotocin-induced diabetic rats. British Journal of Pharmacology, 1998, 125, 143-151.	6.5	14
219	Resurgence of carbon monoxide: an endogenous gaseous vasorelaxing factor. Canadian Journal of Physiology and Pharmacology, 1998, 76, 1-15.	1.8	145
220	Enhanced inhibition by melatonin of Î±-adrenoceptor- induced aortic contraction and inositol phosphate production in vascular smooth muscle cells from spontaneously hypertensive rats. Journal of Hypertension, 1998, 16, 339-347.	2.3	22
221	The Chemical Modification of KCa Channels by Carbon Monoxide in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 1997, 272, 8222-8226.	2.2	228
222	Carbon monoxideâ€induced vasorelaxation and the underlying mechanisms. British Journal of Pharmacology, 1997, 121, 927-934.	6.5	296
223	Enhanced vasocontraction of rat tail arteries by toxoflavin. British Journal of Pharmacology, 1996, 117, 293-298.	6.5	9
224	Modulation of K+Channel Currents by Serum Amineoxidase in Neurons. Biochemical and Biophysical Research Communications, 1996, 220, 47-52.	2.1	24
225	Altered calcium homeostasis in tail artery endothelial cells from spontaneously hypertensive rats*. American Journal of Hypertension, 1995, 8, 1023-1030.	2.0	7
226	Effects of Buthus martensii Karsch scorpion venom on the release of noradrenaline from in vitro and in vivo rat preparations. Canadian Journal of Physiology and Pharmacology, 1994, 72, 855-861.	1.8	8
227	Histamine-evoked Ca2+ oscillations in HeLa cells are sensitive to methylxanthines but insensitive to ryanodine. Pflugers Archiv European Journal of Physiology, 1994, 426, 129-138.	2.5	14
228	Effects of three fragments of parathyroid hormone on calcium channel currents in neonatal rat ventricular cells. Regulatory Peptides, 1994, 54, 445-456.	1.6	1
229	Cardiovascular effects of Buthus martensii (Karsch) scorpion venom. Toxicon, 1994, 32, 191-200.	2.2	31
230	The changes in contractile status of single vascular smooth muscle cells and ventricular cells induced by bPTH-(1â€“34). Life Sciences, 1993, 52, 793-801.	4.7	22
231	The vasorelaxant effect of deuterium oxide is secondary to calcium-induced liberation of nitric oxide by endothelial cells. Journal of Hypertension, 1993, 11, 1021-1030.	2.3	6
232	The effects of parathyroid hormone on L-type voltage-dependent calcium channel currents in vascular smooth muscle cells and ventricular myocytes are mediated by a cyclic AMP dependent mechanism. FEBS Letters, 1991, 282, 331-334.	2.7	52
233	Two Types of Voltage-Dependent Cacium Channel Currents and Their Modulation by Parathyroid Hormone in Neonatal Rat Ventricular Cells. Journal of Cardiovascular Pharmacology, 1991, 17, 990-998.	2.1	14
234	Temperature dependence of L-type calcium channel currents in isolated smooth muscle cells from the rat tail artery. Journal of Thermal Biology, 1991, 16, 83-87.	2.8	10