Rui Wang

List of Publications by Year
in descending order

258 papers	27,385 citations	8732 75 h-index	6113 159 g-index
273 all docs	273 docs citations	273 times ranked	15803 citing authors

#	Article	IF	Citations
1	Effect of hydrogen sulfide on glycolysisâ€based energy production in mouse erythrocytes. Journal of Cellular Physiology, 2022, 237, 763-773.	2.0	4
2	Signaling Integration of Hydrogen Sulfide and Iron on Cellular Functions. Antioxidants and Redox Signaling, 2022, 36, 275-293.	2.5	11
3	Interaction among estrogen, IGF-1, and H2S on smooth muscle cell proliferation. Journal of Endocrinology, 2021, 248, 17-30.	1.2	12
4	Host cystathionine-Î³ lyase derived hydrogen sulfide protects against Pseudomonas aeruginosa sepsis. PLoS Pathogens, 2021, 17, e1009473.	2.1	12
5	Dietary restriction transforms the mammalian protein persulfidome in a tissue-specific and cystathionine Î³-lyase-dependent manner. Nature Communications, 2021, 12, 1745.	5.8	31
6	Cystathionine gammaâ€lyase/H 2 S signaling facilitates myogenesis under aging and injury condition. FASEB Journal, 2021, 35, e21511.	0.2	10
7	Golgi Stress Response, Hydrogen Sulfide Metabolism, and Intracellular Calcium Homeostasis. Antioxidants and Redox Signaling, 2020, 32, 583-601.	2.5	31
8	The Interaction of the Endogenous Hydrogen Sulfide and Oxytocin Systems in Fluid Regulation and the Cardiovascular System. Antioxidants, 2020, 9, 748.	2.2	9
9	H₂S-stimulated bioenergetics in chicken erythrocytes and the underlying mechanism. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R69-R78.	0.9	10
10	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.	3.3	55
11	Cystathionine gamma-lyase/H2S system suppresses hepatic acetyl-CoA accumulation and nonalcoholic fatty liver disease in mice. Life Sciences, 2020, 252, 117661.	2.0	26
12	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.	1.3	14
13	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.	2.0	14
14	Non-enzymatic hydrogen sulfide production from cysteine in blood is catalyzed by iron and vitamin B6. Communications Biology, 2019, 2, 194.	2.0	126
15	Hydrogen sulfide regulates cardiac mitochondrial biogenesis via the activation of AMPK. Journal of Molecular and Cellular Cardiology, 2018, 116, 29-40.	0.9	64
16	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.	2.0	37
17	Amino Acid Restriction Triggers Angiogenesis via GCN2/ATF4 Regulation of VEGF and H2S Production. Cell, 2018, 173, 117-129.e14.	13.5	229
18	Hydrogen Sulfide As a Potential Target in Preventing Spermatogenic Failure and Testicular Dysfunction. Antioxidants and Redox Signaling, 2018, 28, 1447-1462.	2.5	39

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19	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.	1.2	50
20	H2S protects lipopolysaccharide-induced inflammation by blocking NFÎºB transactivation in endothelial cells. Toxicology and Applied Pharmacology, 2018, 338, 20-29.	1.3	39
21	Endogenous H2S production deficiencies lead to impaired renal erythropoietin production. Canadian Urological Association Journal, 2018, 13, E210-E219.	0.3	13
22	Efflux inhibition by H2S confers sensitivity to doxorubicin-induced cell death in liver cancer cells. Life Sciences, 2018, 213, 116-125.	2.0	17
23	Reversal of Sp1 transactivation and TGFÎ²1/SMAD1 signaling by H2S prevent nickel-induced fibroblast activation. Toxicology and Applied Pharmacology, 2018, 356, 25-35.	1.3	15
24	Overview of Gasotransmitters and the Related Signaling Network. 2-Oxoglutarate-Dependent Oxygenases, 2018, , 1-28.	0.8	6
25	Production and Signaling Functions of Ammonia in Mammalian Cells. 2-Oxoglutarate-Dependent Oxygenases, 2018, , 101-144.	0.8	2
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.	1.5	42
27	Age-Dependent Allergic Asthma Development and Cystathionine Gamma-Lyase Deficiency. Antioxidants and Redox Signaling, 2017, 27, 931-944.	2.5	18
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.	2.7	25
29	Impact of hyperglycemia on cystathionine-Î³-lyase expression during resuscitated murine septic shock. Intensive Care Medicine Experimental, 2017, 5, 30.	0.9	10
30	Hypothalamic-Pituitary Axis Regulates Hydrogen Sulfide Production. Cell Metabolism, 2017, 25, 1320-1333.e5.	7.2	71
31	Microvascular Endothelial Dysfunction in Obesity Is Driven by Macrophage-Dependent Hydrogen Sulfide Depletion. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 889-899.	1.1	42
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, 17.	0.9	28
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.	1.8	10
34	Essential role of Cdc42 in cardiomyocyte proliferation and cell-cell adhesion during heart development. Developmental Biology, 2017, 421, 271-283.	0.9	36
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.	0.7	23
36	The Role of Cystathionine-Î³-Lyase In Blunt Chest Trauma in Cigarette Smoke Exposed Mice. Shock, 2017, 47, 491-499.	1.0	14

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37	Exogenous H2S restores ischemic post-conditioning-induced cardioprotection through inhibiting endoplasmic reticulum stress in the aged cardiomyocytes. Cell and Bioscience, 2017, 7, 67.	2.1	17
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, 657.	1.6	23
39	Hydrogen Sulfide Regulates the [Ca²⁺]_iLevel in the Primary Medullary Neurons. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	1.9	8
40	Bach1 Induces Endothelial Cell Apoptosis and Cell-Cycle Arrest through ROS Generation. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-13.	1.9	49
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.	0.8	68
42	Stimulatory effect of CSE-generated H2S on hepatic mitochondrial biogenesis and the underlying mechanisms. Nitric Oxide - Biology and Chemistry, 2016, 58, 67-76.	1.2	46
43	Exogenous H2S contributes to recovery of ischemic post-conditioning-induced cardioprotection by decrease of ROS level via down-regulation of NF-Î°B and JAK2-STAT3 pathways in the aging cardiomyocytes. Cell and Bioscience, 2016, 6, 26.	2.1	41
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.	2.7	31
45	S- Sulfhydration of ATP synthase by hydrogen sulfide stimulates mitochondrial bioenergetics. Pharmacological Research, 2016, 113, 116-124.	3.1	156
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, .	1.6	59
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.	1.8	16
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.	1.1	4
49	Hydrogen Sulfide Induced Erythropoietin Synthesis is Regulated by HIF Proteins. Journal of Urology, 2016, 196, 251-260.	0.2	18
50	Decreased Gluconeogenesis in the Absence of Cystathionine Gamma-Lyase and the Underlying Mechanisms. Antioxidants and Redox Signaling, 2016, 24, 129-140.	2.5	56
51	SIRT3 Mediates the Antioxidant Effect of Hydrogen Sulfide in Endothelial Cells. Antioxidants and Redox Signaling, 2016, 24, 329-343.	2.5	94
52	Metabolic changes of H2S in smokers and patients of COPD which might involve in inflammation, oxidative stress and steroid sensitivity. Scientific Reports, 2015, 5, 14971.	1.6	38
53	Hydrogen Sulfide Protects from Colitis and Restores Intestinal Microbiota Biofilm and Mucus Production. Inflammatory Bowel Diseases, 2015, 21, 1006-1017.	0.9	150
54	Interaction of H_{2}S with Calcium Permeable Channels and Transporters. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-7.	1.9	26

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55	An Anticancer Role of Hydrogen Sulfide in Human Gastric Cancer Cells. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-8.	1.9	26
56	Hydrogen Sulfide Donor GYY4137 Protects against Myocardial Fibrosis. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-14.	1.9	70
57	Proresolution effects of hydrogen sulfide during colitis are mediated through hypoxiaâ€inducible factorâ€1Î±. FASEB Journal, 2015, 29, 1591-1602.	0.2	52
58	Role of cGMP in hydrogen sulfide signaling. Nitric Oxide - Biology and Chemistry, 2015, 46, 7-13.	1.2	38
59	Deficiency of cystathionine gamma-lyase and hepatic cholesterol accumulation during mouse fatty liver development. Science Bulletin, 2015, 60, 336-347.	4.3	32
60	Bach1 Represses Wnt/Î²-Catenin Signaling and Angiogenesis. Circulation Research, 2015, 117, 364-375.	2.0	113
61	H2S and Blood Vessels: An Overview. Handbook of Experimental Pharmacology, 2015, 230, 85-110.	0.9	67
62	The role of H2S bioavailability in endothelial dysfunction. Trends in Pharmacological Sciences, 2015, 36, 568-578.	4.0	131
63	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.	2.1	51
64	Hydrogen sulfide-based therapeutics: exploiting a unique but ubiquitous gasotransmitter. Nature Reviews Drug Discovery, 2015, 14, 329-345.	21.5	652
65	Cystathionine Î³-lyase regulates arteriogenesis through NO-dependent monocyte recruitment. Cardiovascular Research, 2015, 107, 590-600.	1.8	54
66	Exogenous hydrogen sulfide restores cardioprotection of ischemic post-conditioning via inhibition of mPTP opening in the aging cardiomyocytes. Cell and Bioscience, 2015, 5, 43.	2.1	37
67	Endogenous Hydrogen Sulfide Production Is Essential for Dietary Restriction Benefits. Cell, 2015, 160, 132-144.	13.5	449
68	Hydrogen sulphide in human nasal air quantified using thermal desorption and selected ion flow tube mass spectrometry. Journal of Breath Research, 2014, 8, 036002.	1.5	12
69	Response to Letter Regarding Article, â€œDysregulation of Hydrogen Sulfide (H 2 S) Producing Enzyme Cystathionine Î³-lyase (CSE) Contributes to Maternal Hypertension and Placental Abnormalities in Preeclampsiaâ€ Circulation, 2014, 129, e517-8.	1.6	5
70	The coordination of S-sulfhydration, S-nitrosylation, and phosphorylation of endothelial nitric oxide synthase by hydrogen sulfide. Science Signaling, 2014, 7, ra87.	1.6	169
71	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.	3.3	301
72	Inhibitory Effect of Hydrogen Sulfide on Platelet Aggregation and the Underlying Mechanisms. Journal of Cardiovascular Pharmacology, 2014, 64, 481-487.	0.8	18

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73	Role of Calcium Channels in the Protective Effect of Hydrogen Sulfide in Rat Cardiomyoblasts. Cellular Physiology and Biochemistry, 2014, 33, 1205-1214.	1.1	33
74	Cystathionine Î³-Lyase Deficiency Protects Mice from Galactosamine/Lipopolysaccharide-Induced Acute Liver Failure. Antioxidants and Redox Signaling, 2014, 20, 204-216.	2.5	81
75	Hydrogen sulfide and the liver. Nitric Oxide - Biology and Chemistry, 2014, 41, 62-71.	1.2	134
76	Gasotransmitters: growing pains and joys. Trends in Biochemical Sciences, 2014, 39, 227-232.	3.7	251
77	Mediation of dopamine D2 receptors activation in post-conditioning-attenuated cardiomyocyte apoptosis. Experimental Cell Research, 2014, 323, 118-130.	1.2	26
78	Sâ€sulfhydration of <scp>MEK</scp> 1 leads to <scp>PARP</scp> â€1 activation and <scp>DNA</scp> damage repair. EMBO Reports, 2014, 15, 792-800.	2.0	119
79	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.	1.4	34
80	H2S during circulatory shock: Some unresolved questions. Nitric Oxide - Biology and Chemistry, 2014, 41, 48-61.	1.2	56
81	H2S relaxes isolated human airway smooth muscle cells via the sarcolemmal KATP channel. Biochemical and Biophysical Research Communications, 2014, 446, 393-398.	1.0	43
82	S7-1 Vascular sulfide metabolism during ischemia. Nitric Oxide - Biology and Chemistry, 2014, 39, S8-S9.	1.2	0
83	Hydrogen Sulfide and the Pathogenesis of Atherosclerosis. Antioxidants and Redox Signaling, 2014, 20, 805-817.	2.5	113
84	Hydrogen Sulfide and Endothelial Dysfunction: Relationship with Nitric Oxide. Current Medicinal Chemistry, 2014, 21, 3646-3661.	1.2	71
85	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.	1.4	19
86	Hydrogen sulfide-induced inhibition of L-type Ca2+ channels and insulin secretion in mouse pancreatic beta cells. Diabetologia, 2013, 56, 533-541.	2.9	55
87	Crosstalk between hydrogen sulfide and nitric oxide in endothelial cells. Journal of Cellular and Molecular Medicine, 2013, 17, 879-888.	1.6	140
88	Hydrogen Sulfide Protects Against Cellular Senescence <i>via</i> <i>S</i>-Sulfhydration of Keap1 and Activation of Nrf2. Antioxidants and Redox Signaling, 2013, 18, 1906-1919.	2.5	484
89	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.	1.9	84
90	H₂S Is an Endothelium-Derived Hyperpolarizing Factor. Antioxidants and Redox Signaling, 2013, 19, 1634-1646.	2.5	119

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91	H ₂ S Protects Against Pressure Overloadâ€“Induced Heart Failure via Upregulation of Endothelial Nitric Oxide Synthase. Circulation, 2013, 127, 1116-1127.	1.6	302
92	Hydrogen Sulfide Impairs Glucose Utilization and Increases Gluconeogenesis in Hepatocytes. Endocrinology, 2013, 154, 114-126.	1.4	71
93	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.	1.0	6
94	Decreased Endogenous Production of Hydrogen Sulfide Accelerates Atherosclerosis. Circulation, 2013, 127, 2523-2534.	1.6	322
95	Cystathionine Î³-Lyase Protects against Renal Ischemia/Reperfusion by Modulating Oxidative Stress. Journal of the American Society of Nephrology: JASN, 2013, 24, 759-770.	3.0	157
96	Dysregulation of Hydrogen Sulfide Producing Enzyme Cystathionine Î³-lyase Contributes to Maternal Hypertension and Placental Abnormalities in Preeclampsia. Circulation, 2013, 127, 2514-2522.	1.6	224
97	Upâ€regulation of aldolase <scp>A</scp> and methylglyoxal production in adipocytes. British Journal of Pharmacology, 2013, 168, 1639-1646.	2.7	11
98	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.	3.3	175
99	A Comparison of Moisture Removing Strategies for Breath Samples Spiked with Trace Concentrations of Hydrogen Sulphide. Current Analytical Chemistry, 2013, 9, 312-318.	0.6	2
100	H2S Inhibits Hyperglycemia-Induced Intrarenal Renin-Angiotensin System Activation via Attenuation of Reactive Oxygen Species Generation. PLoS ONE, 2013, 8, e74366.	1.1	68
101	Enhanced Synthesis and Diminished Degradation of Hydrogen Sulfide in Experimental Colitis: A Site-Specific, Pro-Resolution Mechanism. PLoS ONE, 2013, 8, e71962.	1.1	61
102	Shared signaling pathways among gasotransmitters. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8801-8802.	3.3	77
103	Potential Health Risk of Arsenic in Groundwater near Tongyu County, Western of Jilin Province: A Case Study for Health Risk Assessment Based on Triangular Fuzzy Number. Advanced Materials Research, 2012, 518-523, 982-986.	0.3	2
104	Is cystathionine gamma-lyase protein expressed in the heart?. Biochemical and Biophysical Research Communications, 2012, 428, 469-474.	1.0	17
105	Cadmium toxicity is alleviated by AtLCD and AtDCD inEscherichia coli. Journal of Applied Microbiology, 2012, 113, 1130-1138.	1.4	22
106	The message in the air: Hydrogen sulfide metabolism in chronic respiratory diseases. Respiratory Physiology and Neurobiology, 2012, 184, 130-138.	0.7	56
107	Exogenous hydrogen sulfide attenuates diabetic myocardial injury through cardiac mitochondrial protection. Molecular and Cellular Biochemistry, 2012, 371, 187-198.	1.4	34
108	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.	0.9	71

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109	Decrease in calcium-sensing receptor in the progress of diabetic cardiomyopathy. Diabetes Research and Clinical Practice, 2012, 95, 378-385.	1.1	35
110	Hydrogen sulfide (H ₂ S) metabolism in mitochondria and its regulatory role in energy production. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2943-2948.	3.3	397
111	Hydrogen sulfide inhibits the translational expression of hypoxiaâ€inducible factorâ€1Î±. British Journal of Pharmacology, 2012, 167, 1492-1505.	2.7	51
112	Aldolase B Knockdown Prevents High Glucose-Induced Methylglyoxal Overproduction and Cellular Dysfunction in Endothelial Cells. PLoS ONE, 2012, 7, e41495.	1.1	19
113	Interaction of Hydrogen Sulfide and Estrogen on the Proliferation of Vascular Smooth Muscle Cells. PLoS ONE, 2012, 7, e41614.	1.1	30
114	Integrated Stress Response Modulates Cellular Redox State via Induction of Cystathionine Î³-Lyase. Journal of Biological Chemistry, 2012, 287, 7603-7614.	1.6	100
115	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.	2.0	60
116	Physiological Implications of Hydrogen Sulfide: A Whiff Exploration That Blossomed. Physiological Reviews, 2012, 92, 791-896.	13.1	1,618
117	Increased expression of calcium-sensing receptors in atherosclerosis confers hypersensitivity to acute myocardial infarction in rats. Molecular and Cellular Biochemistry, 2012, 366, 345-354.	1.4	37
118	Analytical measurement of discrete hydrogen sulfide pools in biological specimens. Free Radical Biology and Medicine, 2012, 52, 2276-2283.	1.3	190
119	Involvement of calcium-sensing receptor in oxLDL-induced MMP-2 production in vascular smooth muscle cells via PI3K/Akt pathway. Molecular and Cellular Biochemistry, 2012, 362, 115-122.	1.4	26
120	The Role of Carbon Monoxide as a Gasotransmitter in Cardiovascular and Metabolic Regulation. , 2012, , 37-70.		12
121	cGMP-Dependent Protein Kinase Contributes to Hydrogen Sulfide-Stimulated Vasorelaxation. PLoS ONE, 2012, 7, e53319.	1.1	116
122	Follow-through after breakthrough. Expert Review of Clinical Pharmacology, 2011, 4, 1-3.	1.3	0
123	Rescue of mesangial cells from high glucose-induced over-proliferation and extracellular matrix secretion by hydrogen sulfide. Nephrology Dialysis Transplantation, 2011, 26, 2119-2126.	0.4	100
124	The Pathogenic Role of Cystathionine Î³-Lyase/Hydrogen Sulfide in Streptozotocin-Induced Diabetes in Mice. American Journal of Pathology, 2011, 179, 869-879.	1.9	69
125	Hydrogen sulfide improves drought resistance in Arabidopsis thaliana. Biochemical and Biophysical Research Communications, 2011, 414, 481-486.	1.0	225
126	Signaling pathways for the vascular effects of hydrogen sulfide. Current Opinion in Nephrology and Hypertension, 2011, 20, 107-112.	1.0	113

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127	Calciumâ€sensing receptors induce apoptosis during simulated ischaemiaâ€"reperfusion in Buffalo rat liver cells. Clinical and Experimental Pharmacology and Physiology, 2011, 38, 605-612.	0.9	21
128	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.	1.2	34
129	Hydrogen sulfide and asthma. Experimental Physiology, 2011, 96, 847-852.	0.9	85
130	Measurement of plasma hydrogen sulfide in vivo and in vitro. Free Radical Biology and Medicine, 2011, 50, 1021-1031.	1.3	278
131	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.	1.3	77
132	Cystathionine Gamma-lyase (CSE) Deficiency Increases Oxidative Stress and Exacerbates Cardiac Mitochondrial Dysfunction and Myocardial Reperfusion Injury. Free Radical Biology and Medicine, 2011, 51, S43.	1.3	0
133	Altered circadian rhythm of cardiac Î²3-adrenoceptor activity following myocardial infarction in the rat. Basic Research in Cardiology, 2011, 106, 37-50.	2.5	13
134	Rat pancreatic level of cystathionine Î³-lyase is regulated by glucose level via specificity protein 1 (SP1) phosphorylation. Diabetologia, 2011, 54, 2615-2625.	2.9	33
135	Identification of a Novel Bacterial K+ Channel. Journal of Membrane Biology, 2011, 242, 153-164.	1.0	3
136	The functional expression of extracellular calcium-sensing receptor in rat pulmonary artery smooth muscle cells. Journal of Biomedical Science, 2011, 18, 16.	2.6	24
137	Role of dopamine D2 receptors in ischemia/reperfusion induced apoptosis of cultured neonatal rat cardiomyocytes. Journal of Biomedical Science, 2011, 18, 18.	2.6	50
138	Upregulation of aldolase B and overproduction of methylglyoxal in vascular tissues from rats with metabolic syndrome. Cardiovascular Research, 2011, 92, 494-503.	1.8	59
139	Specificity Protein-1 as a Critical Regulator of Human Cystathionine Î³-Lyase in Smooth Muscle Cells. Journal of Biological Chemistry, 2011, 286, 26450-26460.	1.6	76
140	Hydrogen Sulfide as Endothelium-Derived Hyperpolarizing Factor Sulfhydrates Potassium Channels. Circulation Research, 2011, 109, 1259-1268.	2.0	531
141	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.	3.3	254
142	Modification of Akt1 by methylglyoxal promotes the proliferation of vascular smooth muscle cells. FASEB Journal, 2011, 25, 1746-1757.	0.2	42
143	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.	1.2	28
144	The functional expression of calcium-sensing receptor in the differentiated THP-1 cells. Molecular and Cellular Biochemistry, 2010, 342, 233-240.	1.4	21

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145	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.	1.4	13
146	Calcium-sensing receptors regulate cardiomyocyte Ca2+ signaling via the sarcoplasmic reticulum-mitochondrion interface during hypoxia/reoxygenation. Journal of Biomedical Science, 2010, 17, 50.	2.6	36
147	Toxic Gas, Lifesaver. Scientific American, 2010, 302, 66-71.	1.0	26
148	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, e128-35.	0.9	30
149	Interaction of hydrogen sulfide with ion channels. Clinical and Experimental Pharmacology and Physiology, 2010, 37, 753-763.	0.9	138
150	Molecular Mechanism for H₂S-Induced Activation of K_{ATP}Channels. Antioxidants and Redox Signaling, 2010, 12, 1167-1178.	2.5	179
151	Hydrogen Sulfide Inhibits Plasma Renin Activity. Journal of the American Society of Nephrology: JASN, 2010, 21, 993-1002.	3.0	151
152	Hydrogen Sulfide: The Third Gasotransmitter in Biology and Medicine. Antioxidants and Redox Signaling, 2010, 12, 1061-1064.	2.5	237
153	Butyrate-stimulated H₂S Production in Colon Cancer Cells. Antioxidants and Redox Signaling, 2010, 12, 1101-1109.	2.5	80
154	Cystathionine gamma-lyase deficiency and overproliferation of smooth muscle cells. Cardiovascular Research, 2010, 86, 487-495.	1.8	142
155	Is H ₂ S a Stinky Remedy for Atherosclerosis?. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 156-157.	1.1	32
156	Measurement of low concentration and nano-quantity hydrogen sulfide in sera using unfunctionalized carbon nanotubes. Measurement Science and Technology, 2009, 20, 105801.	1.4	9
157	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.	3.3	768
158	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.	1.4	16
159	Pancreatic islet overproduction of H2S and suppressed insulin release in Zucker diabetic rats. Laboratory Investigation, 2009, 89, 59-67.	1.7	190
160	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.	0.9	15
161	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.	1.4	0
162	The endogenous production of hydrogen sulphide in intrauterine tissues. Reproductive Biology and Endocrinology, 2009, 7, 10.	1.4	101

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