

Yuansheng Gao

List of Publications by Year in descending order

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91
papers

2,487
citations

218662

26
h-index

214788

47
g-index

92
all docs

92
docs citations

92
times ranked

2654
citing authors

#	ARTICLE	IF	CITATIONS
1	Src and Epidermal Growth Factor Receptor: Novel Partners in Mediating Chronic Hypoxia-induced Pulmonary Artery Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 5-7.	2.9	1
2	Extracellular Vesicles as Unique Signaling Messengers: Role in Lung Diseases. , 2020, 11, 1351-1369.		12
3	Tribute to Paul M. Vanhoutte, MD, PhD (1940-2019). Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 2445-2447.	2.4	0
4	Biology of Vascular Smooth Muscle: Vasoconstriction and Dilatation. , 2017, , .		5
5	Rhynchophylline Ameliorates Endothelial Dysfunction via Src-PI3K/Akt-eNOS Cascade in the Cultured Intrarenal Arteries of Spontaneous Hypertensive Rats. Frontiers in Physiology, 2017, 8, 928.	2.8	29
6	Regulation of Pulmonary Circulation. , 2017, , 786-794.e4.		0
7	Pathophysiology of Pulmonary Hypertension. Colloquium Series on Integrated Systems Physiology From Molecule To Function, 2017, 9, i-104.	0.3	0
8	Electrical and Mechanical Properties of Vascular Smooth Muscle. , 2017, , 41-55.		1
9	Cyclic GMP Signaling. , 2017, , 181-195.		0
10	Regulation of Myosin Light Chain Phosphorylation. , 2017, , 155-167.		0
11	Hypoxic Vasoreactivity. , 2017, , 251-266.		0
12	Coronary Vasoreactivity. , 2017, , 199-214.		0
13	Endothelium-Derived Factors. , 2017, , 97-111.		0
14	Aging and Vasoreactivity. , 2017, , 267-286.		0
15	Local Metabolic Factors and Vasoactivity. , 2017, , 113-126.		0
16	Metabolism of Vascular Smooth Muscle. , 2017, , 69-80.		0
17	Neurotransmitters. , 2017, , 83-96.		0
18	Pulmonary Vasoreactivity. , 2017, , 231-249.		0

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19	Endothelium-Independent Hypoxic Contraction Is Prevented Specifically by Nitroglycerin via Inhibition of Akt Kinase in Porcine Coronary Artery. <i>Stem Cells International</i> , 2016, 2016, 1-8.	2.5	2
20	The vasodilatory effect of sulfur dioxide via SGC/cGMP/PKG pathway in association with sulfhydryl-dependent dimerization. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R1073-R1080.	1.8	22
21	Endothelium-Dependent Contractions of Isolated Arteries to Thymoquinone Require Biased Activity of Soluble Guanylyl Cyclase with Subsequent Cyclic IMP Production. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 358, 558-568.	2.5	14
22	Conventional and Unconventional Mechanisms for Soluble Guanylyl Cyclase Signaling. <i>Journal of Cardiovascular Pharmacology</i> , 2016, 67, 367-372.	1.9	13
23	Endothelial and Smooth Muscle Cell Interactions in the Pathobiology of Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 451-460.	2.9	101
24	Reduced activity of SKC and $Na^+K^+ATPase$ underlies the accelerated impairment of EDH -type relaxations in mesenteric arteries of aging spontaneously hypertensive rats. <i>Pharmacology Research and Perspectives</i> , 2015, 3, e00150.	2.4	23
25	Hypoxic Vasospasm Mediated by cIMP. <i>Journal of Cardiovascular Pharmacology</i> , 2015, 65, 545-548.	1.9	23
26	$3\beta,5\alpha$ -cIMP as Potential Second Messenger in the Vascular Wall. <i>Handbook of Experimental Pharmacology</i> , 2015, 238, 209-228.	1.8	8
27	Protein kinase $C\delta$ mediates downregulated expression of glucagon-like peptide-1 receptor in hypertensive rat renal arteries. <i>Journal of Hypertension</i> , 2015, 33, 784-790.	0.5	11
28	cIMP synthesized by sGC as a mediator of hypoxic contraction of coronary arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H328-H336.	3.2	52
29	Cross Regulation Between cGMP-dependent Protein Kinase and Akt in Vasodilatation of Porcine Pulmonary Artery. <i>Journal of Cardiovascular Pharmacology</i> , 2014, 64, 452-459.	1.9	5
30	Preservation of nitric oxide-induced relaxation of porcine coronary artery: roles of the dimers of soluble guanylyl cyclase, phosphodiesterase type 5, and cGMP-dependent protein kinase. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 1999-2008.	2.8	6
31	Endothelium-independent hypoxic contraction of porcine coronary arteries may be mediated by activation of phosphoinositide 3-kinase/Akt pathway. <i>Vascular Pharmacology</i> , 2014, 61, 56-62.	2.1	11
32	Protein kinase $C\gamma$ contributes to phenylephrine-mediated contraction in the aortae of high fat diet-induced obese mice. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 1179-1183.	2.1	9
33	Tissues cIMPly do not lie. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2014, 387, 901-903.	3.0	19
34	Uncoupling Protein-2 Mediates DPP-4 Inhibitor-Induced Restoration of Endothelial Function in Hypertension Through Reducing Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1571-1581.	5.4	76
35	Inhibitory effect of rhynchophylline on contraction of cerebral arterioles to endothelin 1: Role of rho kinase. <i>Journal of Ethnopharmacology</i> , 2014, 155, 147-153.	4.1	12
36	Uncoupling protein δ mediates the protective action of berberine against oxidative stress in rat insulinoma $INS1E$ cells and in diabetic mouse islets. <i>British Journal of Pharmacology</i> , 2014, 171, 3246-3254.	5.4	29

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37	Sulfhydryl-dependent dimerization of soluble guanylyl cyclase modulates the relaxation of porcine pulmonary arteries to nitric oxide. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 333-341.	2.8	13
38	Beta blockers, nitric oxide, and cardiovascular disease. <i>Current Opinion in Pharmacology</i> , 2013, 13, 265-273.	3.5	80
39	Sulfhydryl-dependent Dimerization and cGMP-mediated Vasodilatation. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 62, 1-5.	1.9	20
40	Hypoxia induces downregulation of soluble guanylyl cyclase β 1 by miR-34c-5p. <i>Journal of Cell Science</i> , 2012, 125, 6117-6126.	2.0	31
41	Inactivation of the E-Prostanoid 3 Receptor Attenuates the Angiotensin II Pressor Response via Decreasing Arterial Contractility. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 3024-3032.	2.4	49
42	Nebivolol. <i>Journal of Cardiovascular Pharmacology</i> , 2012, 59, 16-21.	1.9	29
43	Hydrogen Peroxide Enhances Vasodilatation by Increasing Dimerization of cGMP-Dependent Protein Kinase Type Iα. <i>Circulation Journal</i> , 2012, 76, 1792-1798.	1.6	21
44	Inhibition of Phosphoinositide 3-Kinase Potentiates Relaxation of Porcine Coronary Arteries Induced by Nitroglycerin by Decreasing Phosphodiesterase Type 5 Activity. <i>Circulation Journal</i> , 2012, 76, 230-237.	1.6	9
45	Heterogeneity in relaxation of different sized porcine coronary arteries to nitrovasodilators: role of PKG and MYPT1. <i>Pflugers Archiv European Journal of Physiology</i> , 2012, 463, 257-268.	2.8	12
46	Hypoxic Pulmonary Hypertension of the Newborn. , 2011, 1, 61-79.		19
47	Role of sulfhydryl-dependent dimerization of soluble guanylyl cyclase in relaxation of porcine coronary artery to nitric oxide. <i>Cardiovascular Research</i> , 2011, 90, 565-572.	3.8	26
48	The multiple actions of NO. <i>Pflugers Archiv European Journal of Physiology</i> , 2010, 459, 829-839.	2.8	120
49	Cartilage Oligomeric Matrix Protein Maintains the Contractile Phenotype of Vascular Smooth Muscle Cells by Interacting With α 7 β 1 Integrin. <i>Circulation Research</i> , 2010, 106, 514-525.	4.5	113
50	Degradation of leucine zipper-positive isoform of MYPT1 may contribute to development of nitrate tolerance. <i>Cardiovascular Research</i> , 2010, 86, 151-159.	3.8	22
51	Regulation of the Pulmonary Circulation in the Fetus and Newborn. <i>Physiological Reviews</i> , 2010, 90, 1291-1335.	28.8	278
52	Increased degradation of MYPT1 contributes to the development of tolerance to nitric oxide in porcine pulmonary artery. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 299, L117-L123.	2.9	16
53	Enhanced pressor response to acute Ang II infusion in mice lacking membrane-associated prostaglandin E2 synthase-1. <i>Acta Pharmacologica Sinica</i> , 2010, 31, 1284-1292.	6.1	18
54	Long-term effects of prenatal hypoxia on endothelium-dependent relaxation responses in pulmonary arteries of adult sheep. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 296, L547-L554.	2.9	22

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55	Role of cGMP-dependent protein kinase in development of tolerance to nitroglycerine in porcine coronary arteries. <i>British Journal of Pharmacology</i> , 2008, 153, 497-507.	5.4	20
56	Preservation of cGMP-induced relaxation of pulmonary veins of fetal lambs exposed to chronic high altitude hypoxia: role of PKG and Rho kinase. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L889-L896.	2.9	24
57	Decreased eNOS activity induced by prenatal hypoxia results from abnormal interactions between eNOS and its regulatory proteins in adult sheep pulmonary arteries. <i>FASEB Journal</i> , 2008, 22, 1209.18.	0.5	0
58	Regulation of cGMP-dependent protein kinase-mediated vasodilation by hypoxia-induced reactive species in ovine fetal pulmonary veins. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 293, L1012-L1020.	2.9	38
59	Role of Rho kinases in PKG-mediated relaxation of pulmonary arteries of fetal lambs exposed to chronic high altitude hypoxia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L678-L684.	2.9	74
60	Protein kinase G regulates the basal tension and plays a major role in nitrovasodilator-induced relaxation of porcine coronary veins. <i>British Journal of Pharmacology</i> , 2007, 152, 1060-1069.	5.4	23
61	cGMP-dependent protein kinase in regulation of basal tone and in nitroglycerin- and nitric-oxide-induced relaxation in porcine coronary artery. <i>Pflugers Archiv European Journal of Physiology</i> , 2007, 454, 913-923.	2.8	28
62	Antihypertensive effects of selective prostaglandin E2 receptor subtype 1 targeting. <i>Journal of Clinical Investigation</i> , 2007, 117, 2496-2505.	8.2	94
63	cGMP-Dependent Protein Kinase in Regulation of the Pulmonary Circulation. <i>Current Respiratory Medicine Reviews</i> , 2006, 2, 373-381.	0.2	3
64	Hypoxia-induced reactive oxygen species downregulate ETB receptor-mediated contraction of rat pulmonary arteries. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 290, L570-L578.	2.9	31
65	Hypoxia Down-Regulates Cyclic Guanine Monophosphate-Dependent Protein Kinase in Fetal Pulmonary Vascular Smooth Muscle Cell Through Generation of Reactive Oxygen Species and Promotes Development of Pulmonary Hypertension. <i>Chest</i> , 2005, 128, 577S-578S.	0.8	12
66	Parathyroid hormone-related protein-mediated responses in pulmonary arteries and veins of newborn lambs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 289, L60-L66.	2.9	27
67	Role of veins in regulation of pulmonary circulation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 288, L213-L226.	2.9	99
68	cGMP-Dependent Protein Kinase in Regulation of the Perinatal Pulmonary Circulation. , 2005, , 35-45.		1
69	Role of cGMP-dependent protein kinase in development of tolerance to nitric oxide in pulmonary veins of newborn lambs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 286, L786-L792.	2.9	26
70	Effect of oxygen on cyclic GMP-dependent protein kinase-mediated relaxation in ovine fetal pulmonary arteries and veins. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 285, L611-L618.	2.9	32
71	Differential responses of newborn pulmonary arteries and veins to atrial and C-type natriuretic peptides. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H273-H280.	3.2	23
72	Effects of SQ 22536, an adenylyl cyclase inhibitor, on isoproterenol-induced cyclic AMP elevation and relaxation in newborn ovine pulmonary veins. <i>European Journal of Pharmacology</i> , 2002, 436, 227-233.	3.5	12

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73	SQ22536 and W-7 inhibit forskolin-induced cAMP elevation but not relaxation in newborn ovine pulmonary veins. <i>European Journal of Pharmacology</i> , 2001, 418, 111-116.	3.5	8
74	Involvement of cGMP-dependent protein kinase in the relaxation of ovine pulmonary arteries to cGMP and cAMP. <i>Journal of Applied Physiology</i> , 2000, 88, 1637-1642.	2.5	67
75	Maturation Changes in Endothelium-Derived Nitric Oxide-Mediated Relaxation of Ovine Pulmonary Arteries. <i>Neonatology</i> , 2000, 77, 123-130.	2.0	14
76	Role of protein kinase G in nitric oxide- and cGMP-induced relaxation of newborn ovine pulmonary veins. <i>Journal of Applied Physiology</i> , 1999, 87, 993-998.	2.5	38
77	Developmental change in magnesium sulfate-induced relaxation of rabbit pulmonary arteries. <i>Journal of Applied Physiology</i> , 1999, 87, 1589-1594.	2.5	9
78	Developmental change in isoproterenol-mediated relaxation of pulmonary veins of fetal and newborn lambs. <i>Journal of Applied Physiology</i> , 1998, 84, 1535-1539.	2.5	14
79	A Single Dose of Antenatal Betamethasone Enhances Isoprenaline and Prostaglandin E ₂ -Induced Relaxation of Preterm Ovine Pulmonary Arteries. <i>Neonatology</i> , 1998, 73, 182-189.	2.0	11
80	Effect of selective phosphodiesterase inhibitors on response of ovine pulmonary arteries to prostaglandin E ₂ . <i>Journal of Applied Physiology</i> , 1998, 84, 13-18.	2.5	22
81	Heterogeneity in Endothelium-Derived Nitric Oxide-Mediated Relaxation of Different Sized Pulmonary Arteries of Newborn Lambs. <i>Pediatric Research</i> , 1998, 44, 723-729.	2.3	28
82	Antenatal Betamethasone Therapy Augments Isoproterenol and Prostaglandin E ₂ -Mediated Relaxation of Preterm Ovine Pulmonary Veins. <i>Pediatric Research</i> , 1997, 42, 545-549.	2.3	6
83	Antenatal betamethasone therapy augments nitric oxide-mediated relaxation of preterm ovine pulmonary veins. <i>Journal of Applied Physiology</i> , 1996, 80, 390-396.	2.5	26
84	Prostaglandins E ₂ and I ₂ cause greater relaxations in pulmonary veins than in arteries of newborn lambs. <i>Journal of Applied Physiology</i> , 1996, 81, 2534-2539.	2.5	26
85	Endothelium-Derived Nitric Oxide Plays a Larger Role in Pulmonary Veins Than in Arteries of Newborn Lambs. <i>Circulation Research</i> , 1995, 76, 559-565.	4.5	67
86	β ₂ -adrenoceptors and the epithelial layer in airways. <i>Life Sciences</i> , 1993, 52, 2123-2130.	4.3	20
87	Attenuation of contractions to acetylcholine in canine bronchi by an endogenous nitric oxide-like substance. <i>British Journal of Pharmacology</i> , 1993, 109, 887-891.	5.4	17
88	Respiratory epithelium modulates the responses of canine bronchi to cooling. <i>Journal of Applied Physiology</i> , 1993, 74, 2421-2425.	2.5	4
89	Hypotonic solutions induce epithelium-dependent relaxation of isolated canine bronchi. <i>Lung</i> , 1992, 170, 339-47.	3.3	2
90	Nebivolol Induces Endothelium-Dependent Relaxations of Canine Arteries. <i>Drug Investigation</i> , 1991, 3, 118-119.	0.6	7

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91	Nebivolol Induces Endothelium Dependent RelaxatÃns of Canine Coronary Arteries. Journal of Cardiovascular Pharmacology, 1991, 17, 964-969.	1.9	152