

Roberto V Reyes

List of Publications by Year in descending order

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42
papers

1,426
citations

361413

20
h-index

315739

38
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42
all docs

42
docs citations

42
times ranked

1332
citing authors

#	ARTICLE	IF	CITATIONS
1	Cloning and Expression of a Novel pH-sensitive Two Pore Domain K ⁺ Channel from Human Kidney. <i>Journal of Biological Chemistry</i> , 1998, 273, 30863-30869.	3.4	319
2	The structure, function and distribution of the mouse TWIK-1 K ⁺ channel. <i>FEBS Letters</i> , 1997, 402, 28-32.	2.8	109
3	Cloning of a New Mouse Two-P Domain Channel Subunit and a Human Homologue with a Unique Pore Structure. <i>Journal of Biological Chemistry</i> , 1999, 274, 11751-11760.	3.4	108
4	High-altitude chronic hypoxia during gestation and after birth modifies cardiovascular responses in newborn sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R2234-R2240.	1.8	85
5	The placental pursuit for an adequate oxidant balance between the mother and the fetus. <i>Frontiers in Pharmacology</i> , 2014, 5, 149.	3.5	72
6	Melatonin reduces oxidative stress and improves vascular function in pulmonary hypertensive newborn sheep. <i>Journal of Pineal Research</i> , 2015, 58, 362-373.	7.4	65
7	Long-term exposure to high-altitude chronic hypoxia during gestation induces neonatal pulmonary hypertension at sea level. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R1676-R1684.	1.8	61
8	The Fetal Llama versus the Fetal Sheep: Different Strategies to Withstand Hypoxia. <i>High Altitude Medicine and Biology</i> , 2003, 4, 193-202.	0.9	53
9	Carbon monoxide: a novel pulmonary artery vasodilator in neonatal llamas of the Andean altiplano. <i>Cardiovascular Research</i> , 2007, 77, 197-201.	3.8	38
10	Sildenafil Reverses Hypoxic Pulmonary Hypertension in Highland and Lowland Newborn Sheep. <i>Pediatric Research</i> , 2008, 63, 169-175.	2.3	38
11	Potential adverse effects of antenatal melatonin as a treatment for intrauterine growth restriction: findings in pregnant sheep. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 215, 245.e1-245.e7.	1.3	34
12	Evolving in thin air—Lessons from the llama fetus in the altiplano. <i>Respiratory Physiology and Neurobiology</i> , 2007, 158, 298-306.	1.6	29
13	Fetal brain hypometabolism during prolonged hypoxaemia in the llama. <i>Journal of Physiology</i> , 2005, 567, 963-975.	2.9	27
14	Store-operated channels in the pulmonary circulation of high- and low-altitude neonatal lambs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013, 304, L540-L548.	2.9	26
15	Melatonin improves cerebrovascular function and decreases oxidative stress in chronically hypoxic lambs. <i>Journal of Pineal Research</i> , 2014, 57, 33-42.	7.4	26
16	Melatonin Decreases Pulmonary Vascular Remodeling and Oxygen Sensitivity in Pulmonary Hypertensive Newborn Lambs. <i>Frontiers in Physiology</i> , 2018, 9, 185.	2.8	26
17	Antenatal melatonin modulates an enhanced antioxidant/pro-oxidant ratio in pulmonary hypertensive newborn sheep. <i>Redox Biology</i> , 2019, 22, 101128.	9.0	26
18	Functional Muscarinic Receptors in Cultured Skeletal Muscle. <i>Archives of Biochemistry and Biophysics</i> , 1996, 331, 41-47.	3.0	25

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19	Axonal transport of TREK and TRAAK potassium channels in rat sciatic nerves. <i>NeuroReport</i> , 2000, 11, 927-930.	1.2	24
20	Revisiting the Role of TRP, Orai, and ASIC Channels in the Pulmonary Arterial Response to Hypoxia. <i>Frontiers in Physiology</i> , 2018, 9, 486.	2.8	23
21	Cardiovascular function in term fetal sheep conceived, gestated and studied in the hypobaric hypoxia of the Andean <i>altiplano</i> . <i>Journal of Physiology</i> , 2016, 594, 1231-1245.	2.9	22
22	Role of the RhoA/ROCK pathway in high-altitude associated neonatal pulmonary hypertension in lambs. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R1053-R1063.	1.8	22
23	The heme oxygenase-1 carbon monoxide system in the regulation of cardiorespiratory function at high altitude. <i>Respiratory Physiology and Neurobiology</i> , 2012, 184, 186-191.	1.6	18
24	Melatonin long-lasting beneficial effects on pulmonary vascular reactivity and redox balance in chronic hypoxic ovine neonates. <i>Journal of Pineal Research</i> , 2020, 68, e12613.	7.4	18
25	The role of nitric oxide in the cardiopulmonary response to hypoxia in highland and lowland newborn llamas. <i>Journal of Physiology</i> , 2018, 596, 5907-5923.	2.9	16
26	2-Aminoethyl diphenylborinate modifies the pulmonary circulation in pulmonary hypertensive newborn lambs partially gestated at high altitude. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L788-L799.	2.9	14
27	Stimulated TRPC/ORAI channels in pulmonary hypertension induced by chronic intermittent hypoxia. <i>Pulmonary Circulation</i> , 2020, 10, 13-22.	1.7	13
28	Localization of TREK-1, a two-pore-domain K ⁺ channel in the peripheral vestibular system of mouse and rat. <i>Brain Research</i> , 2004, 1017, 46-52.	2.2	12
29	Sodium-dependent action potentials induced by brevetoxin-3 trigger both IP ₃ increase and intracellular Ca ²⁺ release in rat skeletal myotubes. <i>Cell Calcium</i> , 2008, 44, 289-297.	2.4	12
30	Role of the β -adrenergic system in femoral vascular reactivity in neonatal llamas and sheep: a comparative study between highland and lowland species. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R1153-R1160.	1.8	12
31	Melatonin Reduces Oxidative Stress in the Right Ventricle of Newborn Sheep Gestated under Chronic Hypoxia. <i>Antioxidants</i> , 2021, 10, 1658.	5.1	12
32	The newborn sheep translational model for pulmonary arterial hypertension of the neonate at high altitude. <i>Journal of Developmental Origins of Health and Disease</i> , 2020, 11, 452-463.	1.4	10
33	The role of nitric oxide signaling in pulmonary circulation of high- and low-altitude newborn sheep under basal and acute hypoxic conditions. <i>Nitric Oxide - Biology and Chemistry</i> , 2019, 89, 71-80.	2.7	9
34	Beneficial effects of melatonin on prostanoids pathways in pulmonary hypertensive neonates. <i>Vascular Pharmacology</i> , 2021, 138, 106853.	2.1	6
35	Counterpoint: High Altitude is not for the Birds!. <i>Journal of Applied Physiology</i> , 2011, 111, 1515-1518.	2.5	4
36	Study of the Effect of Treatment With Atrial Natriuretic Peptide (ANP) and Cinaciguat in Chronic Hypoxic Neonatal Lambs on Residual Strain and Microstructure of the Arteries. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 590488.	4.1	4

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37	Melatonin treatment during chronic hypoxic gestation improves neonatal cerebrovascular function. <i>Vascular Pharmacology</i> , 2022, 144, 106971.	2.1	3
38	Enhanced Vasoconstriction Mediated by α_1 -Adrenergic Mechanisms in Small Femoral Arteries in Newborn Llama and Sheep Gestated at Low and High Altitudes. <i>Frontiers in Physiology</i> , 2021, 12, 697211.	2.8	2
39	Cinaciguat (BAY-582667) Modifies Cardiopulmonary and Systemic Circulation in Chronically Hypoxic and Pulmonary Hypertensive Neonatal Lambs in the Alto Andino. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	2
40	The Action of 2-Aminoethyldiphenyl Borinate on the Pulmonary Arterial Hypertension and Remodeling of High-Altitude Hypoxemic Lambs. <i>Frontiers in Physiology</i> , 2021, 12, 765281.	2.8	1
41	Last Word on Point:Counterpoint: High altitude is/is not for the birds!. <i>Journal of Applied Physiology</i> , 2011, 111, 1526-1526.	2.5	0
42	Cinaciguat Reduces Prolyl Hydroxylase 2 (PHD2) Protein Expression in Chronically Hypoxic and Pulmonary Hypertensive Newborn Lambs. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0