Bernardo J Krause

List of Publications by Year
in descending order

46 papers	1,431 citations	361413 20 h-index	345221 36 g-index
53 all docs	53 docs citations	53 times ranked	1926 citing authors

#	Article	IF	Citations
1	Maternal Obesity Is Associated With Higher Cord Blood Adipokines in Offspring Most Notably in Females. Journal of Pediatric Gastroenterology and Nutrition, 2021, 73, 264-270.	1.8	9
2	Novel insights for the role of nitric oxide in placental vascular function during and beyond pregnancy. Journal of Cellular Physiology, 2021, 236, 7984-7999.	4.1	3
3	Specific arterio-venous transcriptomic and ncRNA-RNA interactions in human umbilical endothelial cells: A meta-analysis. IScience, 2021, 24, 102675.	4.1	7
4	The asthma predictive index as a surrogate diagnostic tool in preschoolers: Analysis of a longitudinal birth cohort. Pediatric Pulmonology, 2021, 56, 3183-3188.	2.0	7
5	Dynamic DNA methylation changes in early versus late adulthood suggest nondeterministic effects of childhood adversity: a meta-analysis. Journal of Developmental Origins of Health and Disease, 2021, 12, 768-779.	1.4	3
6	MiR-21-5p directly contributes to regulating eNOS expression in human artery endothelial cells under normoxia and hypoxia. Biochemical Pharmacology, 2020, 182, 114288.	4.4	16
7	Leptin in Cord Blood Associates with Asthma Risk at Age 3 in the Offspring of Women with Gestational Obesity. Annals of the American Thoracic Society, 2020, 17, 1583-1589.	3.2	23
8	Epigenetic mechanisms activated by childhood adversity. Epigenomics, 2020, 12, 1239-1255.	2.1	16
9	Stimâ€activated TRPCâ€ORAI channels in pulmonary hypertension induced by chronic intermittent hypoxia. Pulmonary Circulation, 2020, 10, 13-22.	1.7	13
10	PPARGC1A Gene Promoter Methylation as a Biomarker of Insulin Secretion and Sensitivity in Response to Glucose Challenges. Nutrients, 2020, 12, 2790.	4.1	12
11	Maternal obesity is associated with a sex-specific epigenetic programming in human neonatal monocytes. Epigenomics, 2020, 12, 1999-2018.	2.1	4
12	Nonsyndromic orofacial clefts in Chile: LINE-1 methylation and MTHFR variants. Epigenomics, 2020, 12, 1783-1791.	2.1	5
13	Premature Vascular Aging in Guinea Pigs Affected by Fetal Growth Restriction. International Journal of Molecular Sciences, 2019, 20, 3474.	4.1	9
14	Adult vascular dysfunction in foetal growthâ€restricted guineaâ€pigs is associated with a neonateâ€adult switching in Nos3 DNA methylation. Acta Physiologica, 2019, 227, e13328.	3.8	10
15	Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. Journal of Physiology, 2018, 596, 5535-5569.	2.9	105
16	LGAâ€newborn from patients with pregestational obesity present reduced adiponectinâ€mediated vascular relaxation and endothelial dysfunction in fetoplacental arteries. Journal of Cellular Physiology, 2018, 233, 6723-6733.	4.1	11
17	Progressive uterine artery occlusion in the Guinea pig leads to defects in placental structure that relate to fetal growth. Placenta, 2018, 72-73, 36-40.	1.5	16
18	Mechanical characterization of arteries affected by fetal growth restriction in guinea pigs (Cavia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	3.1	6

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19	Chronic Intermittent Hypoxia-Induced Vascular Dysfunction in Rats is Reverted by N-Acetylcysteine Supplementation and Arginase Inhibition. Frontiers in Physiology, 2018, 9, 901.	2.8	18
20	ILâ€•10 expression in macrophages from neonates born from obese mothers is suppressed by ILâ€•4 and LPS/INFÎ³. Journal of Cellular Physiology, 2017, 232, 3693-3701.	4.1	22
21	<i>N</i>â€•Acetylcysteine, a glutathione precursor, reverts vascular dysfunction and endothelial epigenetic programming in intrauterine growth restricted guinea pigs. Journal of Physiology, 2017, 595, 1077-1092.	2.9	39
22	Fetal Growth Restriction Induces Heterogeneous Effects on Vascular Biomechanical and Functional Properties in Guinea Pigs (Cavia porcellus). Frontiers in Physiology, 2017, 8, 144.	2.8	26
23	Cardiovascular function in term fetal sheep conceived, gestated and studied in the hypobaric hypoxia of the Andean <i>altiplano</i>. Journal of Physiology, 2016, 594, 1231-1245.	2.9	22
24	Markers of early endothelial dysfunction in intrauterine growth restriction-derived human umbilical vein endothelial cells revealed by 2D-DIGE and mass spectrometry analyses. Placenta, 2016, 41, 14-26.	1.5	18
25	Assessment of <i>in vivo</i> fetal growth and placental vascular function in a novel intrauterine growth restriction model of progressive uterine artery occlusion in guinea pigs. Journal of Physiology, 2016, 594, 1553-1561.	2.9	30
26	Arginase-2 is cooperatively up-regulated by nitric oxide and histone deacetylase inhibition in human umbilical artery endothelial cells. Biochemical Pharmacology, 2016, 99, 53-59.	4.4	15
27	Oxidative stress as common trait of endothelial dysfunction in chorionic arteries from fetuses with IUGR and LGA. Placenta, 2015, 36, 552-558.	1.5	41
28	Arginaseâ€“endothelial nitric oxide synthase imbalance contributes to endothelial dysfunction during chronic intermittent hypoxia. Journal of Hypertension, 2015, 33, 515-524.	0.5	25
29	Micro-RNAs Let7e and 126 in Plasma as Markers of Metabolic Dysfunction in 10 to 12 Years Old Children. PLoS ONE, 2015, 10, e0128140.	2.5	30
30	The placental pursuit for an adequate oxidant balance between the mother and the fetus. Frontiers in Pharmacology, 2014, 5, 149.	3.5	72
31	Endothelial heterogeneity in the umbilico-placental unit: DNA methylation as an innuendo of epigenetic diversity. Frontiers in Pharmacology, 2014, 5, 49.	3.5	21
32	Endothelial eNOS/arginase imbalance contributes to vascular dysfunction in IUGR umbilical and placental vessels. Placenta, 2013, 34, 20-28.	1.5	70
33	Role of DNA methyltransferase 1 on the altered eNOS expression in human umbilical endothelium from intrauterine growth restricted fetuses. Epigenetics, 2013, 8, 944-952.	2.7	64
34	Role of arginase-2 and eNOS in the differential vascular reactivity and hypoxia-induced endothelial response in umbilical arteries and veins. Placenta, 2012, 33, 360-366.	1.5	38
35	Role of nitric oxide in placental vascular development and function. Placenta, 2011, 32, 797-805.	1.5	172
36	Hypoxia-reduced nitric oxide synthase activity is partially explained by higher arginase-2 activity and cellular redistribution in human umbilical vein endothelium. Placenta, 2011, 32, 932-940.	1.5	55

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37	Differential expression of functional nucleoside transporters in non-differentiated and differentiated human endothelial progenitor cells. Placenta, 2010, 31, 928-936.	1.5	15
38	Long-term exposure to high-altitude chronic hypoxia during gestation induces neonatal pulmonary hypertension at sea level. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R1676-R1684.	1.8	61
39	Reduced l-Arginine Transport and Nitric Oxide Synthesis in Human Umbilical Vein Endothelial Cells from Intrauterine Growth Restriction Pregnancies is Not Further Altered by Hypoxia. Placenta, 2009, 30, 625-633.	1.5	39
40	TGF-Î²1 inhibits expression and activity of hENT1 in a nitric oxide-dependent manner in human umbilical vein endothelium. Cardiovascular Research, 2009, 82, 458-467.	3.8	20
41	Epigenetics: New Concepts of Old Phenomena in Vascular Physiology. Current Vascular Pharmacology, 2009, 7, 513-520.	1.7	38
42	High <scp>D</scp>â€glucose reduces <i>SLC29A1</i> promoter activity and adenosine transport involving specific protein 1 in human umbilical vein endothelium. Journal of Cellular Physiology, 2008, 215, 645-656.	4.1	27
43	Evidence of a role for melatonin in fetal sheep physiology: direct actions of melatonin on fetal cerebral artery, brown adipose tissue and adrenal gland. Journal of Physiology, 2008, 586, 4017-4027.	2.9	71
44	Sildenafil Reverses Hypoxic Pulmonary Hypertension in Highland and Lowland Newborn Sheep. Pediatric Research, 2008, 63, 169-175.	2.3	38
45	Evolving in thin airâ€"Lessons from the llama fetus in the altiplano. Respiratory Physiology and Neurobiology, 2007, 158, 298-306.	1.6	29
46	Epigenetic Programming of Cardiovascular Disease by Perinatal Hypoxia and Fetal Growth Restriction. , 0, , .		2