

# Bernardo J Krause

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Role of nitric oxide in placental vascular development and function. <i>Placenta</i> , 2011, 32, 797-805.	1.5	172
2	Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. <i>Journal of Physiology</i> , 2018, 596, 5535-5569.	2.9	105
3	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
4	Evidence of a role for melatonin in fetal sheep physiology: direct actions of melatonin on fetal cerebral artery, brown adipose tissue and adrenal gland. <i>Journal of Physiology</i> , 2008, 586, 4017-4027.	2.9	71
5	Endothelial eNOS/arginase imbalance contributes to vascular dysfunction in IUGR umbilical and placental vessels. <i>Placenta</i> , 2013, 34, 20-28.	1.5	70
6	Role of DNA methyltransferase 1 on the altered eNOS expression in human umbilical endothelium from intrauterine growth restricted fetuses. <i>Epigenetics</i> , 2013, 8, 944-952.	2.7	64
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	Hypoxia-reduced nitric oxide synthase activity is partially explained by higher arginase-2 activity and cellular redistribution in human umbilical vein endothelium. <i>Placenta</i> , 2011, 32, 932-940.	1.5	55
9	Oxidative stress as common trait of endothelial dysfunction in chorionic arteries from fetuses with IUGR and LGA. <i>Placenta</i> , 2015, 36, 552-558.	1.5	41
10	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. <i>Placenta</i> , 2009, 30, 625-633.	1.5	39
11	N-Acetylcysteine, a glutathione precursor, reverts vascular dysfunction and endothelial epigenetic programming in intrauterine growth restricted guinea pigs. <i>Journal of Physiology</i> , 2017, 595, 1077-1092.	2.9	39
12	Sildenafil Reverses Hypoxic Pulmonary Hypertension in Highland and Lowland Newborn Sheep. <i>Pediatric Research</i> , 2008, 63, 169-175.	2.3	38
13	Epigenetics: New Concepts of Old Phenomena in Vascular Physiology. <i>Current Vascular Pharmacology</i> , 2009, 7, 513-520.	1.7	38
14	Role of arginase-2 and eNOS in the differential vascular reactivity and hypoxia-induced endothelial response in umbilical arteries and veins. <i>Placenta</i> , 2012, 33, 360-366.	1.5	38
15	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. <i>Journal of Physiology</i> , 2016, 594, 1553-1561.	2.9	30
16	Micro-RNAs Let7e and 126 in Plasma as Markers of Metabolic Dysfunction in 10 to 12 Years Old Children. <i>PLoS ONE</i> , 2015, 10, e0128140.	2.5	30
17	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
18	High D-glucose reduces SLC29A1 promoter activity and adenosine transport involving specific protein 1 in human umbilical vein endothelium. <i>Journal of Cellular Physiology</i> , 2008, 215, 645-656.	4.1	27

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19	Fetal Growth Restriction Induces Heterogeneous Effects on Vascular Biomechanical and Functional Properties in Guinea Pigs ( <i>Cavia porcellus</i> ). <i>Frontiers in Physiology</i> , 2017, 8, 144.	2.8	26
20	Arginase—endothelial nitric oxide synthase imbalance contributes to endothelial dysfunction during chronic intermittent hypoxia. <i>Journal of Hypertension</i> , 2015, 33, 515-524.	0.5	25
21	Leptin in Cord Blood Associates with Asthma Risk at Age 3 in the Offspring of Women with Gestational Obesity. <i>Annals of the American Thoracic Society</i> , 2020, 17, 1583-1589.	3.2	23
22	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
23	IL-10 expression in macrophages from neonates born from obese mothers is suppressed by IL-4 and LPS/INF-3. <i>Journal of Cellular Physiology</i> , 2017, 232, 3693-3701.	4.1	22
24	Endothelial heterogeneity in the umbilico-placental unit: DNA methylation as an innuendo of epigenetic diversity. <i>Frontiers in Pharmacology</i> , 2014, 5, 49.	3.5	21
25	TGF-1 inhibits expression and activity of hENT1 in a nitric oxide-dependent manner in human umbilical vein endothelium. <i>Cardiovascular Research</i> , 2009, 82, 458-467.	3.8	20
26	Markers of early endothelial dysfunction in intrauterine growth restriction-derived human umbilical vein endothelial cells revealed by 2D-DIGE and mass spectrometry analyses. <i>Placenta</i> , 2016, 41, 14-26.	1.5	18
27	Chronic Intermittent Hypoxia-Induced Vascular Dysfunction in Rats is Reverted by N-Acetylcysteine Supplementation and Arginase Inhibition. <i>Frontiers in Physiology</i> , 2018, 9, 901.	2.8	18
28	Progressive uterine artery occlusion in the Guinea pig leads to defects in placental structure that relate to fetal growth. <i>Placenta</i> , 2018, 72-73, 36-40.	1.5	16
29	MiR-21-5p directly contributes to regulating eNOS expression in human artery endothelial cells under normoxia and hypoxia. <i>Biochemical Pharmacology</i> , 2020, 182, 114288.	4.4	16
30	Epigenetic mechanisms activated by childhood adversity. <i>Epigenomics</i> , 2020, 12, 1239-1255.	2.1	16
31	Differential expression of functional nucleoside transporters in non-differentiated and differentiated human endothelial progenitor cells. <i>Placenta</i> , 2010, 31, 928-936.	1.5	15
32	Arginase-2 is cooperatively up-regulated by nitric oxide and histone deacetylase inhibition in human umbilical artery endothelial cells. <i>Biochemical Pharmacology</i> , 2016, 99, 53-59.	4.4	15
33	Stim-activated TRP-CORAI channels in pulmonary hypertension induced by chronic intermittent hypoxia. <i>Pulmonary Circulation</i> , 2020, 10, 13-22.	1.7	13
34	PPARGC1A Gene Promoter Methylation as a Biomarker of Insulin Secretion and Sensitivity in Response to Glucose Challenges. <i>Nutrients</i> , 2020, 12, 2790.	4.1	12
35	LGA—newborn from patients with pregestational obesity present reduced adiponectin-mediated vascular relaxation and endothelial dysfunction in fetoplacental arteries. <i>Journal of Cellular Physiology</i> , 2018, 233, 6723-6733.	4.1	11
36	Adult vascular dysfunction in foetal growth-restricted guinea-pigs is associated with a neonate—adult switching in Nos3 DNA methylation. <i>Acta Physiologica</i> , 2019, 227, e13328.	3.8	10

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37	Premature Vascular Aging in Guinea Pigs Affected by Fetal Growth Restriction. International Journal of Molecular Sciences, 2019, 20, 3474.	4.1	9
38	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
39	Specific arterio-venous transcriptomic and ncRNA-RNA interactions in human umbilical endothelial cells: A meta-analysis. IScience, 2021, 24, 102675.	4.1	7
40	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
41	Mechanical characterization of arteries affected by fetal growth restriction in guinea pigs (Cavia) Tj ETQq1 1 0.784314 rgBT /Overlock	3.1	6
42	Nonsyndromic orofacial clefts in Chile: LINE-1 methylation and MTHFR variants. Epigenomics, 2020, 12, 1783-1791.	2.1	5
43	Maternal obesity is associated with a sex-specific epigenetic programming in human neonatal monocytes. Epigenomics, 2020, 12, 1999-2018.	2.1	4
44	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
45	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
46	Epigenetic Programming of Cardiovascular Disease by Perinatal Hypoxia and Fetal Growth Restriction. , 0, , .		2