Maria do Carmo Franco

List of Publications by Year
in descending order

81 papers	16,414 citations	196777 29 h-index	75989 78 g-index
83 all docs	83 docs citations	83 times ranked	30911 citing authors

#	Article	IF	Citations
1	Low birth weight and its relation to physical fitness parameters in children: Its negative effect on muscle strength and cardiorespiratory endurance. American Journal of Human Biology, 2022, 34, e23595.	0.8	4
2	Topiramate treatment in Wistar rats during childhood induces sex-specific vascular dysfunction in adulthood. Life Sciences, 2022, 288, 120189.	2.0	3
3	High circulating levels of CD62E+ and CD31+/Annexin V+ endothelium-derived microparticles in children with overweight/obesity: Evidence of early vascular damage. Obesity Research and Clinical Practice, 2022, , .	0.8	0
4	Birth weight and its relationship with endothelial function and pattern of endothelium-derived microparticles during childhood: New insight about early vascular damage. Life Sciences, 2022, 298, 120517.	2.0	0
5	Polymorphism of the bradykinin type 2 receptor gene modulates blood pressure profile and microvascular function in prepubescent children. Peptides, 2021, 137, 170491.	1.2	1
6	High uric acid levels in overweight and obese children and their relationship with cardiometabolic risk factors: what is missing in this puzzle?. Journal of Pediatric Endocrinology and Metabolism, 2021, 34, 1435-1441.	0.4	9
7	Emerging evidence for the opposite role of circulating irisin levels and brown adipose tissue activity measured by infrared thermography in anthropometric and metabolic profile during childhood. Journal of Thermal Biology, 2021, 99, 103010.	1.1	5
8	Imbalance between the circulating endothelium-derived apoptotic microparticles and the endothelial colony-forming units of progenitor cells in patients undergoing diagnostic coronary angiography. Advances in Medical Sciences, 2021, 66, 396-402.	0.9	1
9	Psychological distress, low-income, and socio-economic vulnerability in the COVID-19 pandemic. Public Health, 2021, 199, 42-45.	1.4	17
10	High prevalence of food insecurity, the adverse impact of COVID-19 in Brazilian favela. Public Health Nutrition, 2021, 24, 1210-1215.	1.1	43
11	COVID-19: Impact in endothelial function and therapy with Mesenchymal Stromal Cells. Magna Scientia UCEVA, 2021, 1, 2-7.	0.1	0
12	Is low birth weight an additional risk factor for hypertension in paediatric patients after kidney transplantation?. Journal of Developmental Origins of Health and Disease, 2020, 11, 3-6.	0.7	7
13	Programmed Adult Kidney Disease: Importance of Fetal Environment. Frontiers in Physiology, 2020, 11, 586290.	1.3	6
14	Hyperlipidic diet affects body composition and induces anxietyâ€like behaviour in intrauterine growthâ€restricted adult mice. Experimental Physiology, 2020, 105, 2061-2072.	0.9	4
15	Rising rural body-mass index is the main driver of the global obesity epidemic in adults. Nature, 2019, 569, 260-264.	13.7	469
16	Mitochondrial DNA: A new driver for sex differences in spontaneous hypertension. Pharmacological Research, 2019, 144, 142-150.	3.1	28
17	Detrimental Impact of Low Birth Weight on Circulating Number and Functional Capacity of Endothelial Progenitor Cells in Healthy Children: Role of Angiogenic Factors. Journal of Pediatrics, 2019, 206, 72-77.e1.	0.9	12
18	Beneficial Impact of Moderate to Vigorous Physical Activity Program on Circulating Number and Functional Capacity of Endothelial Progenitor Cells in Children: The Crucial Role of Nitric Oxide and VEGF-A. Pediatric Exercise Science, 2019, 31, 322-329.	0.5	5

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19	INTERVENÃ‡ÃƒO SOBRE FATORES DE RISCO EM CRIANÃ‡AS E ADOLESCENTES. Revista Da Sociedade De Cardiologia Do Estado De SÃ£o Paulo, 2019, 29, 34-42.	0.2	18
20	Body Mass Index and Cardiovascular Risk Factors in Children and Adolescents with High Birth Weight. Annals of Nutrition and Metabolism, 2018, 72, 272-278.	1.0	7
21	Nandrolone combined with strenuous resistance training reduces vascular nitric oxide bioavailability and impairs endothelium-dependent vasodilation. Steroids, 2018, 131, 7-13.	0.8	9
22	Contributions of mean and shape of blood pressure distribution to worldwide trends and variations in raised blood pressure: a pooled analysis of 1018 population-based measurement studies with 88.6 million participants. International Journal of Epidemiology, 2018, 47, 872-883i.	0.9	65
23	Implication of galanin gene rs948854 polymorphism in depressive symptoms in adolescents. Hormones and Behavior, 2018, 97, 14-17.	1.0	6
24	High irisin levels in overweight/obese children and its positive correlation with metabolic profile, blood pressure, and endothelial progenitor cells. Nutrition, Metabolism and Cardiovascular Diseases, 2018, 28, 756-764.	1.1	45
25	Up-regulation of renal reninâ€“angiotensin system and inflammatory mechanisms in the prenatal programming by low-protein diet: beneficial effect of the post-weaning losartan treatment. Journal of Developmental Origins of Health and Disease, 2018, 9, 530-535.	0.7	8
26	Tonin Overexpression in Mice Diminishes Sympathetic Autonomic Modulation and Alters Angiotensin Type 1 Receptor Response. Frontiers in Medicine, 2018, 5, 365.	1.2	5
27	Predictors of depression and anxiety during adolescence: the impact of birth weight. Minerva Pediatrica, 2018, 70, 430-437.	2.6	1
28	The antioxidant effects of green tea reduces blood pressure and sympathoexcitation in an experimental model of hypertension. Journal of Hypertension, 2017, 35, 348-354.	0.3	30
29	Intrauterine growth restriction increases circulating mitochondrial DNA and Toll-like receptor 9 expression in adult offspring: could aerobic training counteract these adaptations?. Journal of Developmental Origins of Health and Disease, 2017, 8, 236-243.	0.7	3
30	Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128Â·9 million children, adolescents, and adults. Lancet, The, 2017, 390, 2627-2642.	6.3	5,010
31	Intrauterine growth restriction-induced deleterious adaptations in endothelial progenitor cells: possible mechanism to impair endothelial function. Journal of Developmental Origins of Health and Disease, 2017, 8, 665-673.	0.7	9
32	Targeted Next-Generation Sequencing in Brazilian Children With Nephrotic Syndrome Submitted to Renal Transplant. Transplantation, 2017, 101, 2905-2912.	0.5	15
33	Worldwide trends in blood pressure from 1975 to 2015: a pooled analysis of 1479 population-based measurement studies with 19Â·1 million participants. Lancet, The, 2017, 389, 37-55.	6.3	1,667
34	Birth Weight and Its Relationship with the Cardiac Autonomic Balance in Healthy Children. PLoS ONE, 2017, 12, e0167328.	1.1	19
35	Moderate Resistance Training Attenuates the Increase in Blood Pressure and Decreases the Cardiomyocyte Nuclei Number in Hypertensive Rats. International Journal of Cardiovascular Sciences, 2017, , .	0.0	0
36	Serum Endocan Levels Associated with Hypertension and Loss of Renal Function in Pediatric Patients after Two Years from Renal Transplant. International Journal of Nephrology, 2016, 2016, 1-7.	0.7	9

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37	Family history of cardiovascular disease and non-HDL cholesterol in prepubescent non-obese children. Revista Da AssociaÃ§Ã£o MÃ©dica Brasileira, 2016, 62, 347-352.	0.3	6
38	Worldwide trends in diabetes since 1980: a pooled analysis of 751 population-based studies with 4Â·4 million participants. Lancet, The, 2016, 387, 1513-1530.	6.3	2,842
39	Trends in adult body-mass index in 200 countries from 1975 to 2014: a pooled analysis of 1698 population-based measurement studies with 19Â·2 million participants. Lancet, The, 2016, 387, 1377-1396.	6.3	3,941
40	Body mass index, adipokines and insulin resistance in asthmatic children and adolescents. Journal of Asthma, 2016, 53, 478-484.	0.9	22
41	Effects of diabetes definition on global surveillance of diabetes prevalence and diagnosis: a pooled analysis of 96 population-based studies with 331â€ˆ288 participants. Lancet Diabetes and Endocrinology,the, 2015, 3, 624-637.	5.5	139
42	Impact of nutritional recovery with linear growth on the concentrations of adipokines in undernourished children living in Brazilian slums. British Journal of Nutrition, 2014, 112, 937-944.	1.2	10
43	Modification of Epigenetic Patterns in Low Birth Weight Children: Importance of Hypomethylation of the ACE Gene Promoter. PLoS ONE, 2014, 9, e106138.	1.1	44
44	Influence of Aerobic Training on the Reduced Vasoconstriction to Angiotensin II in Rats Exposed to Intrauterine Growth Restriction: Possible Role of Oxidative Stress and AT2 Receptor of Angiotensin II. PLoS ONE, 2014, 9, e113035.	1.1	24
45	Does low birth weight affect the presence of cardiometabolic risk factors in overweight and obese children?. European Journal of Pediatrics, 2013, 172, 1687-1692.	1.3	9
46	Association of adipokines with cardiovascular risk factors in low birth weight children: a caseâ€“control study. European Journal of Pediatrics, 2013, 172, 71-76.	1.3	3
47	N-Domain Isoform of Angiotensin I Converting Enzyme as a Marker of Hypertension: Populational Study. International Journal of Hypertension, 2012, 2012, 1-9.	0.5	10
48	Influence of Birth Weight on the Renal Development and Kidney Diseases in Adulthood: Experimental and Clinical Evidence. International Journal of Nephrology, 2012, 2012, 1-5.	0.7	6
49	Implications of maternal nutrient restriction in transgenerational programming of hypertension and endothelial dysfunction across F1â€“F3 offspring. Life Sciences, 2012, 90, 571-577.	2.0	56
50	Association of ACE Gene Insertion/Deletion Polymorphism With Birth Weight, Blood Pressure Levels, and ACE Activity in Healthy Children. American Journal of Hypertension, 2012, 25, 827-832.	1.0	31
51	Long-Lasting Effects of Undernutrition. International Journal of Environmental Research and Public Health, 2011, 8, 1817-1846.	1.2	292
52	Leukemia, non-Hodgkin's lymphoma, and Wilms tumor in childhood: the role of birth weight. European Journal of Pediatrics, 2010, 169, 875-881.	1.3	26
53	Sleep Restriction during Pregnancy: Hypertension and Renal Abnormalities in Young Offspring Rats. Sleep, 2010, 33, 1357-1362.	0.6	27
54	Abnormalities in Metalloproteinase Pathways and IGF-I Axis: A Link Between Birth Weight, Hypertension, and Vascular Damage in Childhood. American Journal of Hypertension, 2010, 23, 6-11.	1.0	24

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55	Malnutrition, Long-Term Health and the Effect of Nutritional Recovery. Nestle Nutrition Workshop Series Paediatric Programme, 2009, 63, 95-108.	1.5	29
56	Blood pressure levels in childhood: probing the relative importance of birth weight and current size. European Journal of Pediatrics, 2009, 168, 619-624.	1.3	24
57	Stunting growth: association of the blood pressure levels and ACE activity in early childhood. Pediatric Nephrology, 2009, 24, 379-386.	0.9	18
58	Micronutrient prenatal supplementation prevents the development of hypertension and vascular endothelial damage induced by intrauterine malnutrition. Life Sciences, 2009, 85, 327-333.	2.0	52
59	Cystatin C and renal function in pediatric kidney transplant recipients. Brazilian Journal of Medical and Biological Research, 2009, 42, 1225-1229.	0.7	3
60	GFR Estimated From Cystatin C Versus Creatinine in Children Born Small for Gestational Age. American Journal of Kidney Diseases, 2008, 51, 925-932.	2.1	43
61	In Reply to â€˜Interpretation of Birth Weight Data: A Note of Cautionâ€™. American Journal of Kidney Diseases, 2008, 52, 807-808.	2.1	1
62	Circulating reninâ€“angiotensin system and catecholamines in childhood: is there a role for birthweight?. Clinical Science, 2008, 114, 375-380.	1.8	72
63	Association of urinary 90 kDa angiotensin- converting enzyme with family history of hypertension and endothelial function in normotensive individuals. Brazilian Journal of Medical and Biological Research, 2008, 41, 351-356.	0.7	2
64	Biomarkers of Oxidative Stress and Antioxidant Status in Children Born Small for Gestational Age: Evidence of Lipid Peroxidation. Pediatric Research, 2007, 62, 204-208.	1.1	67
65	Homocysteine and Nitric Oxide Are Related to Blood Pressure and Vascular Function in Small-for-Gestational-Age Children. Hypertension, 2007, 50, 396-402.	1.3	28
66	The Influence of L-Arginine on Blood Pressure, Vascular Nitric Oxide and Renal Morphometry in the Offspring from Diabetic Mothers. Pediatric Research, 2007, 62, 145-150.	1.1	22
67	Long-term effects of intrauterine malnutrition on vascular function in female offspring: Implications of oxidative stress. Life Sciences, 2007, 80, 709-715.	2.0	42
68	Enalapril and losartan restored blood pressure and vascular reactivity in intrauterine undernourished rats. Life Sciences, 2007, 80, 782-787.	2.0	38
69	Effects of Low Birth Weight in 8- to 13-Year-Old Children. Hypertension, 2006, 48, 45-50.	1.3	153
70	Intrauterine Undernutrition in Rats Interferes with Leukocyte Migration, Decreasing Adhesion Molecule Expression in Leukocytes and Endothelial Cells. Journal of Nutrition, 2005, 135, 1480-1485.	1.3	26
71	Long-Term Effects of Maternal Diabetes on Vascular Reactivity and Renal Function in Rat Male Offspring. Pediatric Research, 2005, 58, 1274-1279.	1.1	69
72	Relative Contribution of Estrogen Withdrawal and Gonadotropins Increase Secondary to Ovariectomy on Prostaglandin Generation in Mesenteric Microvessels. Journal of Cardiovascular Pharmacology, 2004, 43, 48-55.	0.8	15

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73	Gender differences in superoxide generation in microvessels of hypertensive rats: role of NAD(P)H-oxidase. Cardiovascular Research, 2004, 61, 22-29.	1.8	97
74	Tetrahydrobiopterin improves endothelial dysfunction and vascular oxidative stress in microvessels of intrauterine undernourished rats. Journal of Physiology, 2004, 558, 239-248.	1.3	41
75	Intrauterine undernutritionâ€"renal and vascular origin of hypertension. Cardiovascular Research, 2003, 60, 228-234.	1.8	61
76	NADPH oxidase and enhanced superoxide generation in intrauterine undernourished rats: involvement of the reninâ€"angiotensin system. Cardiovascular Research, 2003, 59, 767-775.	1.8	79
77	Vitamins C and E Improve Endothelial Dysfunction in Intrauterine-Undernourished Rats by Decreasing Vascular Superoxide Anion Concentration. Journal of Cardiovascular Pharmacology, 2003, 42, 211-217.	0.8	34
78	Severe Nutritional Restriction in Pregnant Rats Aggravates Hypertension, Altered Vascular Reactivity, and Renal Development in Spontaneously Hypertensive Rats Offspring. Journal of Cardiovascular Pharmacology, 2002, 39, 369-377.	0.8	42
79	Intrauterine undernutrition: expression and activity of the endothelial nitric oxide synthase in male and female adult offspring. Cardiovascular Research, 2002, 56, 145-153.	1.8	139
80	Enhanced Oxidative Stress As a Potential Mechanism Underlying the Programming of Hypertension In Utero. Journal of Cardiovascular Pharmacology, 2002, 40, 501-509.	0.8	121
81	L -Arginine effects on blood pressure and renal function of intrauterine restricted rats. Pediatric Nephrology, 2002, 17, 856-862.	0.9	33