

# Christopher Torrens

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

2,681  
citations

331259

21  
h-index

315357

38  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2637  
citing authors

#	ARTICLE	IF	CITATIONS
1	Feeding pregnant rats a protein-restricted diet persistently alters the methylation of specific cytosines in the hepatic PPAR $\alpha$ promoter of the offspring. <i>British Journal of Nutrition</i> , 2008, 100, 278-282.	1.2	438
2	Dietary protein restriction of pregnant rats in the F0 generation induces altered methylation of hepatic gene promoters in the adult male offspring in the F1 and F2 generations. <i>British Journal of Nutrition</i> , 2007, 97, 435-439.	1.2	415
3	Dietary Protein Restriction in Pregnancy Induces Hypertension and Vascular Defects in Rat Male Offspring. <i>Pediatric Research</i> , 2003, 54, 83-90.	1.1	230
4	Folate Supplementation During Pregnancy Improves Offspring Cardiovascular Dysfunction Induced by Protein Restriction. <i>Hypertension</i> , 2006, 47, 982-987.	1.3	193
5	Low protein diet fed exclusively during mouse oocyte maturation leads to behavioural and cardiovascular abnormalities in offspring. <i>Journal of Physiology</i> , 2008, 586, 2231-2244.	1.3	165
6	Mismatched pre- and postnatal nutrition leads to cardiovascular dysfunction and altered renal function in adulthood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9529-9533.	3.3	133
7	Glycine rectifies vascular dysfunction induced by dietary protein imbalance during pregnancy. <i>Journal of Physiology</i> , 2004, 554, 497-504.	1.3	111
8	Maternal fat intake in rats alters 20:4n-6 and 22:6n-3 status and the epigenetic regulation of Fads2 in offspring liver. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1213-1220.	1.9	104
9	Transmission of raised blood pressure and endothelial dysfunction to the F <sub>2</sub> generation induced by maternal protein restriction in the F <sub>0</sub> , in the absence of dietary challenge in the F <sub>1</sub> generation. <i>British Journal of Nutrition</i> , 2008, 100, 760-766.	1.2	103
10	Maternal protein restriction in the rat impairs resistance artery but not conduit artery function in pregnant offspring. <i>Journal of Physiology</i> , 2003, 547, 77-84.	1.3	96
11	Maternal low-protein diet during mouse pre-implantation development induces vascular dysfunction and altered renin-angiotensin-system homeostasis in the offspring. <i>British Journal of Nutrition</i> , 2010, 103, 1762-1770.	1.2	78
12	Feeding a protein-restricted diet during pregnancy induces altered epigenetic regulation of peroxisomal proliferator-activated receptor- $\alpha$ in the heart of the offspring. <i>Journal of Developmental Origins of Health and Disease</i> , 2011, 2, 250-255.	0.7	57
13	Endothelial dysfunction and reduced antioxidant protection in an animal model of the developmental origins of cardiovascular disease. <i>Journal of Physiology</i> , 2008, 586, 4709-4720.	1.3	53
14	Interaction between Maternal and Offspring Diet to Impair Vascular Function and Oxidative Balance in High Fat Fed Male Mice. <i>PLoS ONE</i> , 2012, 7, e50671.	1.1	53
15	Vascular Dysfunction Induced in Offspring by Maternal Dietary Fat Involves Altered Arterial Polyunsaturated Fatty Acid Biosynthesis. <i>PLoS ONE</i> , 2012, 7, e34492.	1.1	53
16	Maternal undernutrition leads to endothelial dysfunction in adult male rat offspring independent of postnatal diet. <i>British Journal of Nutrition</i> , 2009, 101, 27-33.	1.2	50
17	Effects of pre- and periconceptual undernutrition on arterial function in adult female sheep are vascular bed dependent. <i>Experimental Physiology</i> , 2009, 94, 1024-1033.	0.9	41
18	Atorvastatin Restores Endothelial Function in Offspring of Protein-Restricted Rats in a Cholesterol-Independent Manner. <i>Hypertension</i> , 2009, 53, 661-667.	1.3	37

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19	Ursodeoxycholic acid inhibits uptake and vasoconstrictor effects of taurocholate in human placenta. <i>FASEB Journal</i> , 2019, 33, 8211-8220.	0.2	29
20	Resolvin E1, resolvin D1 and resolvin D2 inhibit constriction of rat thoracic aorta and human pulmonary artery induced by the thromboxane mimetic U46619. <i>British Journal of Pharmacology</i> , 2018, 175, 1100-1108.	2.7	28
21	The microvasculature: a target for nutritional programming and later risk of cardio-metabolic disease. <i>Acta Physiologica</i> , 2014, 210, 31-45.	1.8	21
22	Defective NOTCH signaling drives increased vascular smooth muscle cell apoptosis and contractile differentiation in bicuspid aortic valve aortopathy: A review of the evidence and future directions. <i>Trends in Cardiovascular Medicine</i> , 2019, 29, 61-68.	2.3	21
23	Serial block-face scanning electron microscopy reveals novel intercellular connections in human term placental microvasculature. <i>Journal of Anatomy</i> , 2020, 237, 241-249.	0.9	21
24	Human placental villi contain stromal macrovesicles associated with networks of stellate cells. <i>Journal of Anatomy</i> , 2020, 236, 132-141.	0.9	18
25	Phase contrast synchrotron radiation computed tomography of muscle spindles in the mouse soleus muscle. <i>Journal of Anatomy</i> , 2017, 230, 859-865.	0.9	17
26	Developmental exposure to bisphenol A leads to cardiometabolic dysfunction in adult mouse offspring. <i>Journal of Developmental Origins of Health and Disease</i> , 2012, 3, 287-292.	0.7	16
27	Effects of pre-natal and early post-natal undernutrition on adult internal thoracic artery function. <i>European Journal of Cardio-thoracic Surgery</i> , 2005, 28, 811-815.	0.6	15
28	Prenatal development is linked to bronchial reactivity: epidemiological and animal model evidence. <i>Scientific Reports</i> , 2014, 4, 4705.	1.6	13
29	Developmental conditioning of endothelium-derived hyperpolarizing factor-mediated vasorelaxation. <i>Journal of Hypertension</i> , 2016, 34, 452-463.	0.3	11
30	Defective NOTCH signalling drives smooth muscle cell death and differentiation in bicuspid aortic valve aortopathy. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 56, 117-125.	0.6	11
31	Endogenous Reference Genes for Gene Expression Studies on Bicuspid Aortic Valve Associated Aortopathy in Humans. <i>PLoS ONE</i> , 2016, 11, e0164329.	1.1	11
32	Serial block-face scanning electron microscopy of erythrocytes protruding through the human placental syncytiotrophoblast. <i>Journal of Anatomy</i> , 2017, 231, 634-637.	0.9	9
33	Maternal high fat diet in mice alters immune regulation and lung function in the offspring. <i>British Journal of Nutrition</i> , 2020, 126, 1-24.	1.2	7
34	Polyunsaturated fatty acid biosynthesis is involved in phenylephrine-mediated calcium release in vascular smooth muscle cells. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2015, 101, 31-39.	1.0	6
35	Candidate plasma biomarkers for predicting ascending aortic aneurysm in bicuspid aortic valve disease. <i>Journal of Cardiothoracic Surgery</i> , 2018, 13, 76.	0.4	6
36	Aortic Stenosis Prognostication in Patients With Type 2 Diabetes: Protocol for Testing and Validation of a Biomarker-Derived Scoring System. <i>JMIR Research Protocols</i> , 2019, 8, e13186.	0.5	5

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37	How to beet hypertension in pregnancy: is there more to beetroot juice than nitrate?. Journal of Physiology, 2020, 598, 3823-3824.	1.3	2
38	Loitering in the shadows: the cardiovascular implications of vitamin D during development. Journal of Physiology, 2011, 589, 4637-4637.	1.3	1
39	The role of vascular dysfunction in developmental origins of health and disease: evidence from human and animal studies. , 2006, , 286-299.		0
40	1D-4 Maternal low protein diet during oocyte maturation causes increased systolic blood pressure and abnormal behaviour in the mouse. Early Human Development, 2007, 83, S50.	0.8	0
41	P2-63 Cardiovascular health is compromised in mouse offspring following environmental or genetic manipulations on the preimplantation embryo. Early Human Development, 2007, 83, S146-S147.	0.8	0
42	Type and amount of maternal dietary fat induce altered hepatic lipid metabolism in adult female offspring in rats. Proceedings of the Nutrition Society, 2011, 70, .	0.4	0
43	Maternal high fat diet induces impaired polyunsaturated fatty acid synthesis in adult female offspring in rats. Proceedings of the Nutrition Society, 2011, 70, .	0.4	0
44	The sins of the fathers: why we should care about paternal diet around conception. Journal of Physiology, 2020, 598, 615-616.	1.3	0
45	MATERNAL LOW PROTEIN DIET DURING OOCYTE MATURATION CAUSES INCREASED SYSTOLIC BLOOD PRESSURE AND ABNORMAL BEHAVIOR IN THE MOUSE. Biology of Reproduction, 2007, 77, 208-208.	1.2	0
46	Maternal fatâ€rich diet alters vasodilatation response in adult offspring. FASEB Journal, 2013, 27, 679.3.	0.2	0
47	Do you see what I see? Viewing the world through the prism of colour blindness. , 2019, , 29-31.		0