

Mark A Hanson

List of Publications by Year in descending order

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Version: 2024-02-01

392
papers

35,779
citations

4960

84
h-index

3732

179
g-index

413
all docs

413
docs citations

413
times ranked

27587
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of In Utero and Early-Life Conditions on Adult Health and Disease. <i>New England Journal of Medicine</i> , 2008, 359, 61-73.	27.0	3,171
2	Living with the Past: Evolution, Development, and Patterns of Disease. <i>Science</i> , 2004, 305, 1733-1736.	12.6	1,656
3	Nurturing care: promoting early childhood development. <i>Lancet, The</i> , 2017, 389, 91-102.	13.7	1,014
4	Dietary Protein Restriction of Pregnant Rats Induces and Folic Acid Supplementation Prevents Epigenetic Modification of Hepatic Gene Expression in the Offspring. <i>Journal of Nutrition</i> , 2005, 135, 1382-1386.	2.9	957
5	Early life events and their consequences for later disease: A life history and evolutionary perspective. <i>American Journal of Human Biology</i> , 2007, 19, 1-19.	1.6	871
6	Origins of lifetime health around the time of conception: causes and consequences. <i>Lancet, The</i> , 2018, 391, 1842-1852.	13.7	771
7	Epigenetic Gene Promoter Methylation at Birth Is Associated With Child's Later Adiposity. <i>Diabetes</i> , 2011, 60, 1528-1534.	0.6	678
8	Developmental origins of non-communicable disease: Implications for research and public health. <i>Environmental Health</i> , 2012, 11, 42.	4.0	589
9	The developmental origins of the metabolic syndrome. <i>Trends in Endocrinology and Metabolism</i> , 2004, 15, 183-187.	7.1	585
10	Predictive adaptive responses and human evolution. <i>Trends in Ecology and Evolution</i> , 2005, 20, 527-533.	8.7	582
11	Transgenerational effects of prenatal exposure to the Dutch famine on neonatal adiposity and health in later life. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2008, 115, 1243-1249.	2.3	579
12	Epigenetic mechanisms that underpin metabolic and cardiovascular diseases. <i>Nature Reviews Endocrinology</i> , 2009, 5, 401-408.	9.6	553
13	The International Federation of Gynecology and Obstetrics (<sc>FIGO</sc>) initiative on pre-eclampsia: A pragmatic guide for first-trimester screening and prevention. <i>International Journal of Gynecology and Obstetrics</i> , 2019, 145, 1-33.	2.3	550
14	Induction of altered epigenetic regulation of the hepatic glucocorticoid receptor in the offspring of rats fed a protein-restricted diet during pregnancy suggests that reduced DNA methyltransferase-1 expression is involved in impaired DNA methylation and changes in histone modifications. <i>British Journal of Nutrition</i> , 2007, 97, 1064-1073.	2.3	539
15	Epigenetic Mechanisms and the Mismatch Concept of the Developmental Origins of Health and Disease. <i>Pediatric Research</i> , 2007, 61, 5R-10R.	2.3	471
16	Developmental Origins of Disease Paradigm: A Mechanistic and Evolutionary Perspective. <i>Pediatric Research</i> , 2004, 56, 311-317.	2.3	450
17	Feeding pregnant rats a protein-restricted diet persistently alters the methylation of specific cytosines in the hepatic PPAR α promoter of the offspring. <i>British Journal of Nutrition</i> , 2008, 100, 278-282.	2.3	438
18	Developmental origins of metabolic disease: life course and intergenerational perspectives. <i>Trends in Endocrinology and Metabolism</i> , 2010, 21, 199-205.	7.1	422

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19	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.	2.3	415
20	The World Health Organization Fetal Growth Charts: A Multinational Longitudinal Study of Ultrasound Biometric Measurements and Estimated Fetal Weight. <i>PLoS Medicine</i> , 2017, 14, e1002220.	8.4	396
21	Maternal high-fat feeding primes steatohepatitis in adult mice offspring, involving mitochondrial dysfunction and altered lipogenesis gene expression. <i>Hepatology</i> , 2009, 50, 1796-1808.	7.3	391
22	Cohort Profile: Growing Up in Singapore Towards healthy Outcomes (GUSTO) birth cohort study. <i>International Journal of Epidemiology</i> , 2014, 43, 1401-1409.	1.9	374
23	Tribute to Professor Geoffrey Dawes. <i>Pediatric Research</i> , 1996, 40, 774-775.	2.3	373
24	The biology of developmental plasticity and the Predictive Adaptive Response hypothesis. <i>Journal of Physiology</i> , 2014, 592, 2357-2368.	2.9	371
25	Towards a new developmental synthesis: adaptive developmental plasticity and human disease. <i>Lancet</i> , 2009, 373, 1654-1657.	13.7	368
26	Non-genomic transgenerational inheritance of disease risk. <i>BioEssays</i> , 2007, 29, 145-154.	2.5	367
27	Environmental influences during development and their later consequences for health and disease: implications for the interpretation of empirical studies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 671-677.	2.6	366
28	The developmental origins of adult disease. <i>Maternal and Child Nutrition</i> , 2005, 1, 130-141.	3.0	347
29	Gender-Linked Hypertension in Offspring of Lard-Fed Pregnant Rats. <i>Hypertension</i> , 2003, 41, 168-175.	2.7	340
30	Evolution, development and timing of puberty. <i>Trends in Endocrinology and Metabolism</i> , 2006, 17, 7-12.	7.1	340
31	Review: developmental origins of osteoporotic fracture. <i>Osteoporosis International</i> , 2006, 17, 337-347.	3.1	335
32	Developmental Origins of Health and Disease: New Insights. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008, 102, 90-93.	2.5	307
33	Epigenetic regulation of transcription: a mechanism for inducing variations in phenotype (fetal Tj ETQq1 1 0.784314 rgBT /Overlock 1036-1046.	2.3	306
34	Metabolic plasticity during mammalian development is directionally dependent on early nutritional status. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12796-12800.	7.1	294
35	Developmental Origins of Health and Disease: Integrating Environmental Influences. <i>Endocrinology</i> , 2015, 156, 3416-3421.	2.8	290
36	Maternal constraint of fetal growth and its consequences. <i>Seminars in Fetal and Neonatal Medicine</i> , 2004, 9, 419-425.	2.3	281

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37	The fetal, neonatal, and infant environmentsâ€™the long-term consequences for disease risk. <i>Early Human Development</i> , 2005, 81, 51-59.	1.8	279
38	Impaired glucose homeostasis and mitochondrial abnormalities in offspring of rats fed a fat-rich diet in pregnancy. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R134-R139.	1.8	265
39	Animal models and programming of the metabolic syndrome. <i>British Medical Bulletin</i> , 2001, 60, 103-121.	6.9	262
40	Developmental plasticity and developmental origins of non-communicable disease: Theoretical considerations and epigenetic mechanisms. <i>Progress in Biophysics and Molecular Biology</i> , 2011, 106, 272-280.	2.9	248
41	Mechanisms of Disease: in utero programming in the pathogenesis of hypertension. <i>Nature Clinical Practice Nephrology</i> , 2006, 2, 700-707.	2.0	233
42	The International Federation of Gynecology and Obstetrics (FIGO) recommendations on adolescent, preconception, and maternal nutrition: â€œThink Nutrition Firstâ€‹sup>#</sup>. <i>International Journal of Gynecology and Obstetrics</i> , 2015, 131, S213-53.	2.3	233
43	Dietary Protein Restriction in Pregnancy Induces Hypertension and Vascular Defects in Rat Male Offspring. <i>Pediatric Research</i> , 2003, 54, 83-90.	2.3	230
44	Developmental origins of noncommunicable disease: population and public health implications. <i>American Journal of Clinical Nutrition</i> , 2011, 94, S1754-S1758.	4.7	228
45	The Developmental Origins, Mechanisms, and Implications of Metabolic Syndrome1â€™3. <i>Journal of Nutrition</i> , 2010, 140, 648-652.	2.9	221
46	Long-term maternal high-fat feeding from weaning through pregnancy and lactation predisposes offspring to hypertension, raised plasma lipids and fatty liver in mice. <i>British Journal of Nutrition</i> , 2009, 102, 514.	2.3	215
47	Predictive Adaptive Responses to Maternal High-Fat Diet Prevent Endothelial Dysfunction but Not Hypertension in Adult Rat Offspring. <i>Circulation</i> , 2004, 110, 1097-1102.	1.6	211
48	Adaptive Responses by Mouse Early Embryos to Maternal Diet Protect Fetal Growth but Predispose to Adult Onset Disease1. <i>Biology of Reproduction</i> , 2008, 78, 299-306.	2.7	201
49	The role of developmental plasticity and epigenetics in human health. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2011, 93, 12-18.	3.6	199
50	Folate Supplementation During Pregnancy Improves Offspring Cardiovascular Dysfunction Induced by Protein Restriction. <i>Hypertension</i> , 2006, 47, 982-987.	2.7	193
51	FIGO (International Federation of Gynecology and Obstetrics) initiative on fetal growth: Best practice advice for screening, diagnosis, and management of fetal growth restriction. <i>International Journal of Gynecology and Obstetrics</i> , 2021, 152, 3-57.	2.3	188
52	Mouse embryo culture induces changes in postnatal phenotype including raised systolic blood pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5449-5454.	7.1	187
53	Folic Acid Supplementation during the Juvenile-Pubertal Period in Rats Modifies the Phenotype and Epigenotype Induced by Prenatal Nutrition. <i>Journal of Nutrition</i> , 2009, 139, 1054-1060.	2.9	183
54	Maternal high fat diet during pregnancy and lactation alters hepatic expression of insulin like growth factor-2 and key microRNAs in the adult offspring. <i>BMC Genomics</i> , 2009, 10, 478.	2.8	179

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55	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.	2.9	165
56	The Faroes Statement: Human Health Effects of Developmental Exposure to Chemicals in Our Environment. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008, 102, 73-75.	2.5	164
57	Meeting Report on the 3rd International Congress on Developmental Origins of Health and Disease (DOHaD). <i>Pediatric Research</i> , 2007, 61, 625-629.	2.3	162
58	Interventions to prevent maternal obesity before conception, during pregnancy, and post partum. <i>Lancet Diabetes and Endocrinology</i> , 2017, 5, 65-76.	11.4	154
59	Early-life prevention of non-communicable diseases. <i>Lancet</i> , 2013, 381, 3-4.	13.7	143
60	Developmental origins of health and disease – Global public health implications. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2015, 29, 24-31.	2.8	140
61	Prenatal programming of postnatal endocrine responses by glucocorticoids. <i>Reproduction</i> , 2002, 124, 459-467.	2.6	137
62	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.	7.1	133
63	Developmental origins of epigenetic transgenerational inheritance. <i>Environmental Epigenetics</i> , 2016, 2, dvw002.	1.8	131
64	Developmental Origins of Health and Disease: A Lifecourse Approach to the Prevention of Non-Communicable Diseases. <i>Healthcare (Switzerland)</i> , 2017, 5, 14.	2.0	131
65	Transgenerational effects of prenatal nutrient restriction on cardiovascular and hypothalamic-pituitary-adrenal function. <i>Journal of Physiology</i> , 2008, 586, 2217-2229.	2.9	130
66	How evolutionary principles improve the understanding of human health and disease. <i>Evolutionary Applications</i> , 2011, 4, 249-263.	3.1	129
67	Developmental origins of health and disease: reducing the burden of chronic disease in the next generation. <i>Genome Medicine</i> , 2010, 2, 14.	8.2	127
68	The Long-Term Effects of Prenatal Development on Growth and Metabolism. <i>Seminars in Reproductive Medicine</i> , 2011, 29, 257-265.	1.1	120
69	A systematic review and meta-analysis of school-based interventions with health education to reduce body mass index in adolescents aged 10 to 19 years. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2021, 18, 1.	4.6	119
70	Fetal Liver-Sparing Cardiovascular Adaptations Linked to Mother's Slimness and Diet. <i>Circulation Research</i> , 2005, 96, 12-14.	4.5	118
71	An unbalanced maternal diet in pregnancy associates with offspring epigenetic changes in genes controlling glucocorticoid action and foetal growth. <i>Clinical Endocrinology</i> , 2012, 77, 808-815.	2.4	115
72	Fetal cardiovascular reflex responses to hypoxaemia. <i>Fetal and Maternal Medicine Review</i> , 1994, 6, 17-37.	0.3	114

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73	Portal and umbilical venous blood supply to the liver in the human fetus near term. <i>Ultrasound in Obstetrics and Gynecology</i> , 2004, 24, 599-605.	1.7	112
74	Life-Long Echoes – A Critical Analysis of the Developmental Origins of Adult Disease Model. <i>Neonatology</i> , 2005, 87, 127-139.	2.0	108
75	Progressive, Transgenerational Changes in Offspring Phenotype and Epigenotype following Nutritional Transition. <i>PLoS ONE</i> , 2011, 6, e28282.	2.5	107
76	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.	4.2	104
77	Transmission of raised blood pressure and endothelial dysfunction to the F ₂ generation induced by maternal protein restriction in the F ₀ , in the absence of dietary challenge in the F ₁ generation. <i>British Journal of Nutrition</i> , 2008, 100, 760-766.	2.3	103
78	Maternal diabetes, gestational diabetes and the role of epigenetics in their long term effects on offspring. <i>Progress in Biophysics and Molecular Biology</i> , 2015, 118, 55-68.	2.9	96
79	The biosocial genome?. <i>EMBO Reports</i> , 2017, 18, 1677-1682.	4.5	96
80	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.	2.9	96
81	Absence of Ventilatory Responses to Alternating Breaths of Mild Hypoxia and Air in Infants Who Have Had Bronchopulmonary Dysplasia: Implications for the Risk of Sudden Infant Death. <i>Pediatric Research</i> , 1994, 35, 677-681.	2.3	91
82	The nature of the growth pattern and of the metabolic response to fasting in the rat are dependent upon the dietary protein and folic acid intakes of their pregnant dams and post-weaning fat consumption. <i>British Journal of Nutrition</i> , 2008, 99, 540-549.	2.3	90
83	Longitudinal reference ranges for ductus venosus flow velocities and waveform indices. <i>Ultrasound in Obstetrics and Gynecology</i> , 2006, 28, 890-898.	1.7	88
84	Early life opportunities for prevention of diabetes in low and middle income countries. <i>BMC Public Health</i> , 2012, 12, 1025.	2.9	88
85	Predictive adaptive responses in perspective. <i>Trends in Endocrinology and Metabolism</i> , 2008, 19, 109-110.	7.1	87
86	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
87	The birth and future health of DOHaD. <i>Journal of Developmental Origins of Health and Disease</i> , 2015, 6, 434-437.	1.4	82
88	Developmental processes and the induction of cardiovascular function: conceptual aspects. <i>Journal of Physiology</i> , 2005, 565, 27-34.	2.9	81
89	The LifeCycle Project-EU Child Cohort Network: a federated analysis infrastructure and harmonized data of more than 250,000 children and parents. <i>European Journal of Epidemiology</i> , 2020, 35, 709-724.	5.7	81
90	Low birthweight and subsequent obesity in Japan. <i>Lancet, The</i> , 2007, 369, 1081-1082.	13.7	79

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91	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.	2.3	78
92	Losing the War Against Obesity: The Need for a Developmental Perspective. <i>Science Translational Medicine</i> , 2011, 3, 93cm19.	12.4	78
93	Epigenetic Epidemiology: The Rebirth of Soft Inheritance. <i>Annals of Nutrition and Metabolism</i> , 2011, 58, 8-15.	1.9	78
94	Maternal protein restriction with or without folic acid supplementation during pregnancy alters the hepatic transcriptome in adult male rats. <i>British Journal of Nutrition</i> , 2010, 103, 1711-1719.	2.3	77
95	Fetal Liver Blood Flow Distribution: Role in Human Developmental Strategy to Prioritize Fat Deposition versus Brain Development. <i>PLoS ONE</i> , 2012, 7, e41759.	2.5	77
96	Successful expression of Î²-galactosidase and factor IX transgenes in fetal and neonatal sheep after ultrasound-guided percutaneous adenovirus vector administration into the umbilical vein. <i>Gene Therapy</i> , 1999, 6, 1239-1248.	4.5	75
97	Effects of chronic hypoxia and protein malnutrition on growth in the developing chick. <i>American Journal of Obstetrics and Gynecology</i> , 2002, 186, 261-267.	1.3	74
98	Childhood Bone Mineral Content Is Associated With Methylation Status of the RXRA Promoter at Birth. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 600-607.	2.8	73
99	Placental calcium transporter (PMCA3) gene expression predicts intrauterine bone mineral accrual. <i>Bone</i> , 2007, 40, 1203-1208.	2.9	71
100	Statin Treatment in Hypercholesterolemic Pregnant Mice Reduces Cardiovascular Risk Factors in Their Offspring. <i>Hypertension</i> , 2008, 51, 939-944.	2.7	71
101	Evolutionary and developmental mismatches are consequences of adaptive developmental plasticity in humans and have implications for later disease risk. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180109.	4.0	71
102	Effect of nutritional restriction in early pregnancy on isolated femoral artery function in mid-gestation fetal sheep. <i>Journal of Physiology</i> , 2003, 553, 637-647.	2.9	68
103	Pre-implantation and late gestation maternal undernutrition differentially affect fetal sheep skeletal muscle development. <i>Journal of Physiology</i> , 2008, 586, 2371-2379.	2.9	68
104	Developmental plasticity and epigenetic mechanisms underpinning metabolic and cardiovascular diseases. <i>Epigenomics</i> , 2011, 3, 279-294.	2.1	68
105	Prenatal Factors Contribute to the Emergence of Kwashiorkor or Marasmus in Severe Undernutrition: Evidence for the Predictive Adaptation Model. <i>PLoS ONE</i> , 2012, 7, e35907.	2.5	68
106	The "developmental origins" hypothesis: epidemiology. , 2006, , 6-32.		67
107	Management of prepregnancy, pregnancy, and postpartum obesity from the FIGO Pregnancy and Non-Communicable Diseases Committee: A FIGO (International Federation of Gynecology and) Tj ETQq1 1 0.784314 rgBT /G/verlock		66
108	Dietary Protein Restriction during F0 Pregnancy in Rats Induces Transgenerational Changes in the Hepatic Transcriptome in Female Offspring. <i>PLoS ONE</i> , 2011, 6, e21668.	2.5	65

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109	ANRIL Promoter DNA Methylation: A Perinatal Marker for Later Adiposity. <i>EBioMedicine</i> , 2017, 19, 60-72.	6.1	65
110	Umbilical flow distribution to the liver and the ductus venosus: An in vitro investigation of the fluid dynamic mechanisms in the fetal sheep. <i>American Journal of Obstetrics and Gynecology</i> , 1997, 177, 86-90.	1.3	64
111	Fetal and Neonatal Pathways to Obesity. <i>Frontiers of Hormone Research</i> , 2008, 36, 61-72.	1.0	64
112	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
113	Epigenetic memory in response to environmental stressors. <i>FASEB Journal</i> , 2017, 31, 2241-2251.	0.5	62
114	Effect of NO, phenylephrine, and hypoxemia on ductus venosus diameter in fetal sheep. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H1166-H1171.	3.2	60
115	Effect of maternal undernutrition in early gestation on ovine fetal blood pressure and cardiovascular reflexes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 279, R340-R348.	1.8	60
116	Vasodilation to Vascular Endothelial Growth Factor in the Uterine Artery of the Pregnant Rat Is Blunted by Low Dietary Protein Intake. <i>Pediatric Research</i> , 2002, 51, 485-491.	2.3	60
117	Effects of undernutrition in early pregnancy on systemic small artery function in late-gestation fetal sheep. <i>American Journal of Obstetrics and Gynecology</i> , 2000, 183, 1301-1307.	1.3	59
118	Longitudinal Study of Umbilical and Portal Venous Blood flow to the Fetal Liver: Low Pregnancy Weight Gain is Associated With Preferential Supply to the Fetal Left Liver Lobe. <i>Pediatric Research</i> , 2008, 63, 315-320.	2.3	57
119	Developmental origins of health and disease: Moving from biological concepts to interventions and policy. <i>International Journal of Gynecology and Obstetrics</i> , 2011, 115, S3-5.	2.3	56
120	Developmental aspects of a life course approach to healthy ageing. <i>Journal of Physiology</i> , 2016, 594, 2147-2160.	2.9	56
121	Effect of Maternal Nutrient Restriction in Early Gestation on Responses of the Hypothalamic-Pituitary-Adrenal Axis to Acute Isocapnic Hypoxaemia in Late Gestation Fetal Sheep. <i>Experimental Physiology</i> , 2000, 85, 85-96.	2.0	53
122	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
123	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.	2.9	53
124	Developmental Origins of Osteoporosis: The Role of Maternal Nutrition. <i>Advances in Experimental Medicine and Biology</i> , 2009, 646, 31-39.	1.6	53
125	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.	2.5	53
126	Preconception health in England: a proposal for annual reporting with core metrics. <i>Lancet</i> , The, 2019, 393, 2262-2271.	13.7	53

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127	Vascular Dysfunction Induced in Offspring by Maternal Dietary Fat Involves Altered Arterial Polyunsaturated Fatty Acid Biosynthesis. <i>PLoS ONE</i> , 2012, 7, e34492.	2.5	53
128	Gestational Diabetes, Maternal Obesity, and the NCD Burden. <i>Clinical Obstetrics and Gynecology</i> , 2013, 56, 633-641.	1.1	52
129	Low Serine Hydroxymethyltransferase Activity in the Human Placenta Has Important Implications for Fetal Glycine Supply. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 1594-1598.	3.6	51
130	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.	2.3	50
131	Associations between DNA methylation of a glucocorticoid receptor promoter and acute stress responses in a large healthy adult population are largely explained by lifestyle and educational differences. <i>Psychoneuroendocrinology</i> , 2012, 37, 782-788.	2.7	50
132	<sc>FIGO</sc> (International Federation of Gynecology and Obstetrics) Postpregnancy Initiative: Long-term Maternal Implications of Pregnancy Complications—Follow-up Considerations. <i>International Journal of Gynecology and Obstetrics</i> , 2019, 147, 1-31.	2.3	50
133	The effect of systemic administration of lipopolysaccharide on cerebral haemodynamics and oxygenation in the 0.65 gestation ovine fetus in utero. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2003, 110, 735-743.	2.3	49
134	Maternal nutrition and fetal growth and development. , 0, , 98-129.		49
135	DNA methylation at birth within the promoter of ANRIL predicts markers of cardiovascular risk at 9 years. <i>Clinical Epigenetics</i> , 2016, 8, 90.	4.1	49
136	Prevention of noncommunicable diseases by interventions in the preconception period: A FIGO position paper for action by healthcare practitioners. <i>International Journal of Gynecology and Obstetrics</i> , 2020, 151, 6-15.	2.3	48
137	The Effect of Maternal Undernutrition in Early Gestation on Gestation Length and Fetal and Postnatal Growth in Sheep. <i>Pediatric Research</i> , 2007, 62, 422-427.	2.3	47
138	Sex- and age-specific effects of nutrition in early gestation and early postnatal life on hypothalamo-pituitary-adrenal axis and sympathoadrenal function in adult sheep. <i>Journal of Physiology</i> , 2010, 588, 2219-2237.	2.9	47
139	Evaluation of Methylation Status of the eNOS Promoter at Birth in Relation to Childhood Bone Mineral Content. <i>Calcified Tissue International</i> , 2012, 90, 120-127.	3.1	47
140	Non-Imprinted Epigenetics in Fetal and Postnatal Development and Growth. <i>Nestle Nutrition Institute Workshop Series</i> , 2013, 71, 57-63.	0.1	47
141	Impaired Cardiovascular Structure and Function in Adult Survivors of Severe Acute Malnutrition. <i>Hypertension</i> , 2014, 64, 664-671.	2.7	47
142	Building resilient societies after COVID-19: the case for investing in maternal, neonatal, and child health. <i>Lancet Public Health</i> , The, 2020, 5, e624-e627.	10.0	47
143	Increasing the folic acid content of maternal or post-weaning diets induces differential changes in phosphoenolpyruvate carboxykinase mRNA expression and promoter methylation in rats. <i>British Journal of Nutrition</i> , 2012, 108, 852-857.	2.3	46
144	High-unsaturated-fat, high-protein, and low-carbohydrate diet during pregnancy and lactation modulates hepatic lipid metabolism in female adult offspring. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R112-R118.	1.8	45

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145	Glucose Metabolism in Adult Survivors of Severe Acute Malnutrition. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 2233-2240.	3.6	45
146	The Cerebral Hemodynamic Response to Asphyxia and Hypoxia in the Near-term Fetal Sheep as Measured by Near Infrared Spectroscopy. <i>Pediatric Research</i> , 1998, 44, 951-957.	2.3	44
147	Adaptive phenotypic response to climate enabled by epigenetics in a K-strategy species, the fish <i>Leucoraja ocellata</i> (Rajidae). <i>Royal Society Open Science</i> , 2016, 3, 160299.	2.4	43
148	Undernutrition during the first half of gestation increases the predominance of fetal tissue in late-gestation ovine placentomes. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2001, 98, 165-170.	1.1	42
149	The Developmental Origins of Health and Disease (DOHaD) Concept. , 2016, , 1-15.		42
150	Modification of fetal plasma amino acid composition by placental amino acid exchangers <i>in vitro</i> . <i>Journal of Physiology</i> , 2007, 582, 871-882.	2.9	41
151	Growth and Bone Development. , 2008, 61, 53-68.		41
152	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.	2.0	41
153	Delivering an action agenda for nutrition interventions addressing adolescent girls and young women: priorities for implementation and research. <i>Annals of the New York Academy of Sciences</i> , 2017, 1393, 61-71.	3.8	41
154	Fetal Growth Restriction Is Associated With Prioritization of Umbilical Blood Flow to the Left Hepatic Lobe at the Expense of the Right Lobe. <i>Pediatric Research</i> , 2009, 66, 113-117.	2.3	40
155	Developmental Plasticity, Epigenetics and Human Health. <i>Evolutionary Biology</i> , 2012, 39, 650-665.	1.1	40
156	DOHaD in science and society: emergent opportunities and novel responsibilities. <i>Journal of Developmental Origins of Health and Disease</i> , 2019, 10, 268-273.	1.4	40
157	Effect of reduced maternal protein intake in pregnancy in the rat on the fatty acid composition of brain, liver, plasma, heart and lung phospholipids of the offspring after weaning. <i>British Journal of Nutrition</i> , 2003, 90, 345-352.	2.3	39
158	Hepatic Artery Hemodynamics Suggest Operation of a Buffer Response in the Human Fetus. <i>Reproductive Sciences</i> , 2008, 15, 166-178.	2.5	39
159	The Respiratory Response of Healthy Term Infants to Breath-by-Breath Alternations in Inspired Oxygen at Two Postnatal Ages. <i>Pediatric Research</i> , 1994, 35, 321-323.	2.3	38
160	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
161	Redistribution pattern of fetal liver circulation in intrauterine growth restriction. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2009, 88, 1118-1123.	2.8	38
162	Maternal high-fat diet: effects on offspring bone structure. <i>Osteoporosis International</i> , 2010, 21, 1703-1714.	3.1	38

#	ARTICLE	IF	CITATIONS
163	Developmental origins of the metabolic syndrome: Body clocks and stress responses. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 214-220.	4.1	38
164	Obesity and the health of future generations. <i>Lancet Diabetes and Endocrinology</i> , 2016, 4, 966-967.	11.4	38
165	Atorvastatin Restores Endothelial Function in Offspring of Protein-Restricted Rats in a Cholesterol-Independent Manner. <i>Hypertension</i> , 2009, 53, 661-667.	2.7	37
166	The conceptual basis for the developmental origins of health and disease. , 2006, , 33-50.		36
167	The effect of dietary supplementation with linoleic acid to late gestation ewes on the fatty acid composition of maternal and fetal plasma and tissues and the synthetic capacity of the placenta for 2-series prostaglandins. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2004, 1686, 139-147.	2.4	35
168	Nutritional challenges during development induce sex-specific changes in glucose homeostasis in the adult sheep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E32-E39.	3.5	35
169	Maternal dietary quality, inflammatory potential and childhood adiposity: an individual participant data pooled analysis of seven European cohorts in the ALPHABET consortium. <i>BMC Medicine</i> , 2021, 19, 33.	5.5	35
170	Venous liver blood flow and regulation of human fetal growth: evidence from macrosomic fetuses. <i>American Journal of Obstetrics and Gynecology</i> , 2011, 204, 429.e1-429.e7.	1.3	33
171	Good clinical practice advice: Management of twin pregnancy. <i>International Journal of Gynecology and Obstetrics</i> , 2019, 144, 330-337.	2.3	32
172	Circulatory responses to maternal hyperoxaemia and hypoxaemia assessed non-invasively in fetal sheep at 0.3-0.5 gestation in acute experiments. <i>British Journal of Obstetrics and Gynaecology</i> , 2001, 108, 359-364.	0.9	31
173	Integration of computational modeling with membrane transport studies reveals new insights into amino acid exchange transport mechanisms. <i>FASEB Journal</i> , 2015, 29, 2583-2594.	0.5	31
174	The fetal dilemma: spare the brain and spoil the liver. <i>Journal of Physiology</i> , 2003, 548, 333-333.	2.9	30
175	Online motion-gated dynamic three-dimensional echocardiography in the fetus—preliminary results. <i>Ultrasound in Medicine and Biology</i> , 2001, 27, 43-50.	1.5	29
176	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
177	Maternal Factors Are Associated with the Expression of Placental Genes Involved in Amino Acid Metabolism and Transport. <i>PLoS ONE</i> , 2015, 10, e0143653.	2.5	29
178	Good clinical practice advice: Antenatal corticosteroids for fetal lung maturation. <i>International Journal of Gynecology and Obstetrics</i> , 2019, 144, 352-355.	2.3	29
179	Mechanical properties of the fetal ductus venosus and umbilical vein. <i>Heart and Vessels</i> , 1998, 13, 175-180.	1.2	28
180	Good clinical practice advice: Iron deficiency anemia in pregnancy. <i>International Journal of Gynecology and Obstetrics</i> , 2019, 144, 322-324.	2.3	28

#	ARTICLE	IF	CITATIONS
181	Developing teenagers's™ views on their health and the health of their future children. Health Education, 2012, 112, 543-559.	0.9	27
182	The inheritance of cardiovascular disease risk. Acta Paediatrica, International Journal of Paediatrics, 2019, 108, 1747-1756.	1.5	27
183	A wake-up call for preconception health: a clinical review. British Journal of General Practice, 2021, 71, 233-236.	1.4	27
184	Simultaneous use of two ultrasound scanners for motion-gated three-dimensional fetal echocardiography. Ultrasound in Medicine and Biology, 2000, 26, 1021-1032.	1.5	26
185	Endothelial dysfunction and cardiovascular disease: the role of predictive adaptive responses. Heart, 2005, 91, 864-866.	2.9	26
186	The Developmental Origins of Health and Disease. , 2006, , 1-7.		26
187	Priority actions for the non-communicable disease crisis. Lancet, The, 2011, 378, 566-567.	13.7	26
188	Optimal fetal growth: a misconception?. American Journal of Obstetrics and Gynecology, 2015, 213, 332.e1-332.e4.	1.3	26
189	Expression of agouti-related peptide, neuropeptide Y, pro-opiomelanocortin and the leptin receptor isoforms in fetal mouse brain from pregnant dams on a protein-restricted diet. Molecular Brain Research, 2005, 140, 111-115.	2.3	25
190	Fetal size in the second trimester is associated with the duration of pregnancy, small fetuses having longer pregnancies. BMC Pregnancy and Childbirth, 2008, 8, 25.	2.4	24
191	Altered cellular redox status, sirtuin abundance and clock gene expression in a mouse model of developmentally primed NASH. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 584-593.	2.4	24
192	Higher Oily Fish Consumption in Late Pregnancy Is Associated With Reduced Aortic Stiffness in the Child at Age 9 Years. Circulation Research, 2015, 116, 1202-1205.	4.5	23
193	LifeLab Southampton: a programme to engage adolescents with DOHaD concepts as a tool for increasing health literacy in teenagers – a pilot cluster-randomized control trial. Journal of Developmental Origins of Health and Disease, 2018, 9, 475-480.	1.4	23
194	Good clinical practice advice: Prediction of preterm labor and preterm premature rupture of membranes. International Journal of Gynecology and Obstetrics, 2019, 144, 340-346.	2.3	23
195	Behavioral changes in fetal sheep caused by vibroacoustic stimulation: The effects of cochlear ablation. American Journal of Obstetrics and Gynecology, 1991, 164, 1336-1343.	1.3	22
196	Conversion of umbilical arterial doppler waveforms to cardiac cycle triggering signals: a preparatory study for online motion-gated three-dimensional fetal echocardiography. Ultrasound in Medicine and Biology, 2001, 27, 51-59.	1.5	22
197	Tissue motion annular displacement of the mitral valve using two-dimensional speckle tracking echocardiography predicts the left ventricular ejection fraction in normal children. Cardiology in the Young, 2014, 24, 640-648.	0.8	22
198	Childhood Fat and Lean Mass. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 2528-2537.	2.4	22

#	ARTICLE	IF	CITATIONS
199	Circulatory responses to maternal hyperoxaemia and hypoxaemia assessed non-invasively in fetal sheep at 0.3-0.5 gestation in acute experiments. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2001, 108, 359-364.	2.3	21
200	Does Estrogen Affect the Development of Abnormal Vascular Function in Offspring of Rats Fed a Low-Protein Diet in Pregnancy?. <i>Pediatric Research</i> , 2006, 59, 784-789.	2.3	21
201	A complex behavioural change intervention to reduce the risk of diabetes and prediabetes in the pre-conception period in Malaysia: study protocol for a randomised controlled trial. <i>Trials</i> , 2016, 17, 215.	1.6	21
202	What are the public health implications of the life course perspective?. <i>Global Health Action</i> , 2019, 12, 1603491.	1.9	21
203	Nitric oxide plays a role in the regulation of adrenal blood flow and adrenocorticomedullary functions in the llama fetus. <i>Journal of Physiology</i> , 2002, 544, 267-276.	2.9	19
204	The influence of mouse <i>Pedgene</i> expression on postnatal development. <i>Journal of Physiology</i> , 2006, 571, 211-220.	2.9	19
205	Appetite regulatory mechanisms and food intake in mice are sensitive to mismatch in diets between pregnancy and postnatal periods. <i>Brain Research</i> , 2008, 1237, 146-152.	2.2	19
206	The effects of spatial and temporal ecological variation on fatty acid compositions of wild great tits <i>Parus major</i> . <i>Journal of Avian Biology</i> , 2015, 46, 245-253.	1.2	19
207	Narrative review of reviews of preconception interventions to prevent an increased risk of obesity and non-communicable diseases in children. <i>Obesity Reviews</i> , 2019, 20, 5-17.	6.5	19
208	Differential <i>SLC6A4</i> methylation: a predictive epigenetic marker of adiposity from birth to adulthood. <i>International Journal of Obesity</i> , 2019, 43, 974-988.	3.4	19
209	Examining the use of the FIGO Nutrition Checklist in routine antenatal practice: multistakeholder feedback to implementation. <i>International Journal of Gynecology and Obstetrics</i> , 2020, 151, 51-56.	2.3	19
210	The Effect of Maternal Body Condition Score Before and During Pregnancy on the Glucose Tolerance of Adult Sheep Offspring. <i>Reproductive Sciences</i> , 2008, 15, 448-456.	2.5	18
211	Epigenetic mechanisms underlying type 2 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2015, 11, 261-263.	9.6	18
212	Epigenetic inheritance and the responsibility for health in society. <i>Lancet Diabetes and Endocrinology</i> , 2017, 5, 11-12.	11.4	18
213	Developmental Origins of Health and Disease: Towards a combined bio-social life-course perspective. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2021, 110, 2306-2309.	1.5	18
214	Birth Weight and the Fetal Origins of Adult Disease: Commentary on the article by Oliver et al. on page 516. <i>Pediatric Research</i> , 2002, 52, 473-474.	2.3	17
215	Commentary: Maternal constraint is a pre-eminent regulator of fetal growth. <i>International Journal of Epidemiology</i> , 2008, 37, 252-254.	1.9	17
216	The late gestation fetal cardiovascular response to hypoglycaemia is modified by prior in-utero undernutrition in sheep. <i>Journal of Physiology</i> , 2009, 587, 611-624.	2.9	17

#	ARTICLE	IF	CITATIONS
217	Commentary: Developing the future: life course epidemiology, DOHaD and evolutionary medicine. <i>International Journal of Epidemiology</i> , 2016, 45, 993-996.	1.9	17
218	Back to normal? Building community resilience after COVID-19. <i>Lancet Diabetes and Endocrinology</i> , 2020, 8, 664-665.	11.4	17
219	The human camel: the concept of predictive adaptive responses and the obesity epidemic. <i>Practical Diabetes International: the International Journal for Diabetes Care Teams Worldwide</i> , 2003, 20, 267-268.	0.2	16
220	Vasodilator tone in the llama fetus: the role of nitric oxide during normoxemia and hypoxemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R776-R783.	1.8	16
221	Effect of maternal protein restriction during pregnancy and postweaning high-fat feeding on diet-induced thermogenesis in adult mouse offspring. <i>European Journal of Nutrition</i> , 2014, 53, 1523-1531.	3.9	16
222	Glutamate cycling may drive organic anion transport on the basal membrane of human placental syncytiotrophoblast. <i>Journal of Physiology</i> , 2015, 593, 4549-4559.	2.9	16
223	Engaging teenagers in improving their health behaviours and increasing their interest in science (Evaluation of LifeLab Southampton): study protocol for a cluster randomized controlled trial. <i>Trials</i> , 2015, 16, 372.	1.6	16
224	Adenosine Produces Changes in Cerebral Hemodynamics and Metabolism as Assessed by Near-Infrared Spectroscopy in Late-Gestation Fetal Sheep in Utero. <i>Pediatric Research</i> , 2001, 50, 217-221.	2.3	15
225	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.	1.4	15
226	Fetal superior mesenteric artery: Longitudinal reference ranges and evidence of regulatory link to portal liver circulation. <i>Early Human Development</i> , 2009, 85, 207-213.	1.8	15
227	Human Growth: Evolutionary and Life History Perspectives. <i>Nestle Nutrition Institute Workshop Series</i> , 2013, 71, 89-102.	0.1	15
228	Intergenerational burden and risks of NCDs: need to promote maternal and child health. <i>Lancet</i> , 2018, 392, 2422-2423.	13.7	15
229	The FIGO Pregnancy Obesity and Nutrition Initiative (PONI). <i>International Journal of Gynecology and Obstetrics</i> , 2019, 147, 131-133.	2.3	15
230	Are socioeconomic inequalities in the incidence of small-for-gestational-age birth narrowing? Findings from a population-based cohort in the South of England. <i>BMJ Open</i> , 2019, 9, e026998.	1.9	15
231	Umbilical venous arterial plasma composition differences suggest differential incorporation of fatty acids in NEFA and cholesterol ester pools. <i>British Journal of Nutrition</i> , 2011, 106, 463-467.	2.3	14
232	Developing differences: early-life effects and evolutionary medicine. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190039.	4.0	14
233	It only takes two minutes to ask—a qualitative study with women on using the FIGO Nutrition Checklist in pregnancy. <i>International Journal of Gynecology and Obstetrics</i> , 2020, 151, 45-50.	2.3	14
234	Evaluation of dietary pattern in early pregnancy using the FIGO Nutrition Checklist compared to a food frequency questionnaire. <i>International Journal of Gynecology and Obstetrics</i> , 2020, 151, 37-44.	2.3	14

#	ARTICLE	IF	CITATIONS
235	Developmental Perspectives on the Origins of Obesity. , 2007, , 207-219.		14
236	Birth Weight and the Fetal Origins of Adult Disease. <i>Pediatric Research</i> , 2002, 52, 473-474.	2.3	14
237	Longitudinal dietary trajectories from preconception to mid-childhood in women and children in the Southampton Women's Survey and their relation to offspring adiposity: a group-based trajectory modelling approach. <i>International Journal of Obesity</i> , 2022, 46, 758-766.	3.4	14
238	The developmental origins of health and disease: an overview. , 2006, , 1-5.		13
239	Developmental Perspectives on Individual Variation: Implications for Understanding Nutritional Needs. <i>Nestle Nutrition Workshop Series Paediatric Programme</i> , 2008, 62, 1-12.	1.5	13
240	Effect of sex and dietary fat intake on the fatty acid composition of phospholipids and triacylglycerol in rat heart. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2010, 83, 219-223.	2.2	13
241	Good clinical practice advice: First trimester screening and prevention of pre-eclampsia in singleton pregnancy. <i>International Journal of Gynecology and Obstetrics</i> , 2019, 144, 325-329.	2.3	13
242	Towards a global consensus on GDM diagnosis: Light at the end of the tunnel?. <i>International Journal of Gynecology and Obstetrics</i> , 2020, 149, 257-261.	2.3	13
243	Unheard, unseen and unprotected: DOHaD council's call for action to protect the younger generation from the long-term effects of COVID-19. <i>Journal of Developmental Origins of Health and Disease</i> , 2021, 12, 3-5.	1.4	13
244	Amnioinfusion increases amniotic pressure in pregnant sheep but does not alter fetal acid-base status. <i>American Journal of Obstetrics and Gynecology</i> , 1991, 165, 1459-1463.	1.3	12
245	Cardiovascular and endocrine responses to cutaneous electrical stimulation after fentanyl in the ovine fetus. <i>American Journal of Obstetrics and Gynecology</i> , 2004, 190, 836-842.	1.3	12
246	Doppler blood flow velocity waveforms in the fetal renal arteries: variability at proximal and distal sites in the right and left arteries. <i>Ultrasound in Obstetrics and Gynecology</i> , 2004, 23, 590-593.	1.7	12
247	Leptin Reversal of the Metabolic Phenotype: Evidence for the Role of Developmental Plasticity in the Development of the Metabolic Syndrome. <i>Hormone Research in Paediatrics</i> , 2007, 67, 115-120.	1.8	12
248	Sensitivity of housekeeping genes in the hypothalamus to mismatch in diets between pre- and postnatal periods in mice. <i>Neuroscience Letters</i> , 2008, 447, 54-57.	2.1	12
249	Pre-pregnancy community-based intervention for couples in Malaysia: application of intervention mapping. <i>BMC Public Health</i> , 2016, 16, 1167.	2.9	12
250	A cluster-randomised controlled trial of the LifeLab education intervention to improve health literacy in adolescents. <i>PLoS ONE</i> , 2021, 16, e0250545.	2.5	12
251	Metabolic Disease: Evolutionary, Developmental and Transgenerational Influences. , 2005, 55, 17-27.		11
252	Response to Wells: Phenotypic responses to early environmental cues can be adaptive in adults. <i>Trends in Ecology and Evolution</i> , 2006, 21, 425-426.	8.7	11

#	ARTICLE	IF	CITATIONS
253	Differential Pathways to Adult Metabolic Dysfunction following Poor Nutrition at Two Critical Developmental Periods in Sheep. PLoS ONE, 2014, 9, e90994.	2.5	11
254	Increased Regional Deformation of the Left Ventricle in Normal Children With Increased Body Mass Index: Implications for Future Cardiovascular Health. Pediatric Cardiology, 2014, 35, 315-322.	1.3	11
255	Niche Modification, Human Cultural Evolution and the Anthropocene. Trends in Ecology and Evolution, 2019, 34, 883-885.	8.7	11
256	Maternal Obesity during Pregnancy Alters Daily Activity and Feeding Cycles, and Hypothalamic Clock Gene Expression in Adult Male Mouse Offspring. International Journal of Molecular Sciences, 2019, 20, 5408.	4.1	11
257	Population estimates, consequences, and risk factors of obesity among pregnant and postpartum women in India: Results from a national survey and policy recommendations. International Journal of Gynecology and Obstetrics, 2020, 151, 57-67.	2.3	11
258	Childhood DNA methylation as a marker of early life rapid weight gain and subsequent overweight. Clinical Epigenetics, 2021, 13, 8.	4.1	11
259	Amniotic gas values and acid-base status during acute maternal hyperoxemia and hypoxemia in the early fetal sheep. American Journal of Obstetrics and Gynecology, 2000, 182, 661-665.	1.3	10
260	The life and health challenges of young Malaysian couples: results from a stakeholder consensus and engagement study to support non-communicable disease prevention. BMC Public Health, 2014, 14, S6.	2.9	10
261	Avoidable early life environmental exposures. Lancet Planetary Health, The, 2017, 1, e172-e173.	11.4	10
262	Good clinical practice advice: Thyroid and pregnancy. International Journal of Gynecology and Obstetrics, 2019, 144, 347-351.	2.3	10
263	Altered development of fetal liver perfusion in pregnancies with pregestational diabetes. PLoS ONE, 2019, 14, e0211788.	2.5	10
264	Influence of Maternal Lifestyle and Diet on Perinatal DNA Methylation Signatures Associated With Childhood Arterial Stiffness at 8 to 9 Years. Hypertension, 2021, 78, 787-800.	2.7	10
265	Mild maternal undernutrition in the first half of ovine pregnancy influences placental morphology but not fetal Doppler flow velocity waveforms and fetal heart size. Journal of Perinatal Medicine, 2001, 29, 286-92.	1.4	9
266	The plastic human. Infant and Child Development, 2010, 19, 21-26.	1.5	9
267	Lower Maternal Body Condition During Pregnancy Affects Skeletal Muscle Structure and Glut-4 Protein Levels But Not Glucose Tolerance in Mature Adult Sheep. Reproductive Sciences, 2013, 20, 1144-1155.	2.5	9
268	Tissue-Specific 5â€² Heterogeneity of PPAR α Transcripts and Their Differential Regulation by Leptin. PLoS ONE, 2013, 8, e67483.	2.5	9
269	Good clinical practice advice: Micronutrients in the periconceptual period and pregnancy. International Journal of Gynecology and Obstetrics, 2019, 144, 317-321.	2.3	9
270	Maternal and child health: is making â€œhealthy choicesâ€™ an oxymoron?. Global Health Promotion, 2021, 28, 66-69.	1.3	9

#	ARTICLE	IF	CITATIONS
271	The Effect of Hypercapnia and Hypercapnia Associated with Central Cooling on Breathing in Unanesthetized Fetal Lambs. <i>Pediatric Research</i> , 1997, 41, 90-95.	2.3	9
272	The effect of repeated acute hypoxaemia on fetal cardiovascular development in the sheep. <i>Journal of Physiology</i> , 1998, 512, 295-306.	2.9	8
273	Visualisation and Measurement of Tracheal Diameter in the Sheep Fetus: An Ultrasound Study with Stereomicroscopic Correlation. <i>Fetal Diagnosis and Therapy</i> , 2001, 16, 342-345.	1.4	8
274	Good clinical practice advice: Role of ultrasound in the management of twin pregnancy. <i>International Journal of Gynecology and Obstetrics</i> , 2019, 144, 338-339.	2.3	8
275	New guidelines, position paper, and insights from the FIGO Pregnancy Obesity and Nutrition Initiative (PONI). <i>International Journal of Gynecology and Obstetrics</i> , 2020, 151, 1-3.	2.3	8
276	Physiological responses during ascent to high altitude and the incidence of acute mountain sickness. <i>Physiological Reports</i> , 2021, 9, e14809.	1.7	8
277	Human non-CpG methylation patterns display both tissue-specific and inter-individual differences suggestive of underlying function. <i>Epigenetics</i> , 2022, 17, 653-664.	2.7	8
278	Evolution, developmental plasticity, and metabolic disease. , 2007, , 253-264.		8
279	Anthropocene-related disease. <i>Evolution, Medicine and Public Health</i> , 2020, 2020, 304-310.	2.5	8
280	A mitochondrial component of developmental programming. , 2006, , 75-81.		7
281	Understanding the Origins of Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2014, 311, 575.	7.4	7
282	Origins of Lifetime Health Around the Time of Conception: Causes and Consequences. <i>Obstetrical and Gynecological Survey</i> , 2018, 73, 555-557.	0.4	7
283	Fat and Carbohydrate Intake over Three Generations Modify Growth, Metabolism and Cardiovascular Phenotype in Female Mice in an Age-Related Manner. <i>PLoS ONE</i> , 2015, 10, e0134664.	2.5	7
284	Mimicking low amniotic pressure by chronic pharyngeal drainage does not impair lung development in fetal sheep. <i>American Journal of Obstetrics and Gynecology</i> , 1992, 166, 991-996.	1.3	6
285	Long-term consequences of foetal restriction. <i>Current Obstetrics & Gynaecology</i> , 2006, 16, 267-272.	0.2	6
286	The developmental environment and the development of obesity. , 2006, , 255-264.		6
287	Developmental Plasticity and the Developmental Origins of Health and Disease. , 2009, , 1-10.		6
288	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.	2.2	6

#	ARTICLE	IF	CITATIONS
289	Implications of the Developmental Origins of Health and Disease concept for policy-making. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2020, 13, 20-27.	1.4	6
290	Fetal breathing during chronic lung liquid loss leading to pulmonary hypoplasia. <i>Early Human Development</i> , 1991, 27, 53-63.	1.8	5
291	Pulse oximetry – physiological considerations. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 1997, 72, S3-S8.	1.1	5
292	Association of adult height and leg length with fasting plasma cortisol concentrations: Evidence for an effect of normal variation in adrenocortical activity on growth. <i>American Journal of Human Biology</i> , 2008, 20, 712-715.	1.6	5
293	Epigenetics and the Influence of Maternal Diet. , 2009, , 11-20.		5
294	Time for the UK to commit to tackling child obesity. <i>BMJ: British Medical Journal</i> , 2017, 356, j762.	2.3	5
295	PREgnancy Nutrition: A protocol for the development of a Core Outcome Set (PRENCOS). <i>International Journal of Gynecology and Obstetrics</i> , 2019, 147, 134-139.	2.3	5
296	Do the concepts of ‘‘life course approach’’ and ‘‘developmental origins of health and disease’’ underpin current maternity care? Study protocol. <i>International Journal of Gynecology and Obstetrics</i> , 2019, 147, 140-146.	2.3	5
297	Health of women and children is central to covid-19 recovery. <i>BMJ, The</i> , 2021, 373, n899.	6.0	5
298	Developmental Origins of Health and Disease, resilience and social justice in the COVID era. <i>Journal of Developmental Origins of Health and Disease</i> , 2021, , 1-4.	1.4	5
299	The developmental environment: influences on subsequent cognitive function and behaviour. , 2006, , 370-378.		4
300	Angiotensin II receptor antagonist reduces subsequent uterine arterial dysfunction in pregnant offspring of protein-restricted rat dams. <i>Journal of Obstetrics and Gynaecology Research</i> , 2012, 38, 483-489.	1.3	4
301	Developmental origins of obesity and non-communicable disease. <i>Endocrinología Y Nutricion: Organo De La Sociedad Espanola De Endocrinología Y Nutricion</i> , 2013, 60, 10-11.	0.8	4
302	Engaging adolescents in changing behaviour (EACH-B): a study protocol for a cluster randomised controlled trial to improve dietary quality and physical activity. <i>Trials</i> , 2020, 21, 859.	1.6	4
303	Programming of the Fetal Circulation. , 2004, , 727-732.		4
304	Transcriptome-wide analysis suggests that temporal changes in the relative contributions of hyperplasia, hypertrophy and apoptosis underlie liver growth in pregnant mice. <i>Biology of Reproduction</i> , 2017, 97, 762-771.	2.7	3
305	Maternal, neonatal, and child health is essential for meeting SDG 3.4. <i>Lancet, The</i> , 2020, 396, 1731-1732.	13.7	3
306	DNA methylation signatures in cord blood associated with birthweight are enriched for dmCpGs previously associated with maternal hypertension or pre-eclampsia, smoking and folic acid intake. <i>Epigenetics</i> , 2021, , 1-17.	2.7	3

#	ARTICLE	IF	CITATIONS
307	Fetal origins of coronary heart disease—implications for cardiothoracic surgery?. <i>European Journal of Cardio-thoracic Surgery</i> , 2005, 27, 1036-1042.	1.4	3
308	Effect of maternal nutrient restriction in early gestation on hypothalamic pituitary adrenal axis responses during acute hypoxaemia in late gestation fetal sheep. <i>Journal of the Society for Gynecologic Investigation</i> , 1998, 5, 43A-43A.	1.7	3
309	Elevation of Metabolic Rate by Pyrogen Administration Does Not Affect the Gain of Respiratory Peripheral Chemoreflexes in Unanesthetized Kittens. <i>Pediatric Research</i> , 1998, 44, 357-362.	2.3	3
310	Screening and management options for severe thinness during pregnancy in India. <i>International Journal of Gynecology and Obstetrics</i> , 2021, 155, 357-379.	2.3	3
311	The effect of wasting and stunting during severe acute malnutrition in infancy on insulin sensitivity and insulin clearance in adult life. <i>Journal of Developmental Origins of Health and Disease</i> , 2022, , 1-7.	1.4	3
312	Human fetal blood gases, glucose, lactate and amino acids in IUGR. , 0, , 201-222.		2
313	Fetal origins of adult disease: introduction. <i>Heart</i> , 2005, 91, 863-863.	2.9	2
314	P2-8 Mismatched prenatal and post-weaning diet leads to sex-specific changes in expression of genes involved in the regulation of appetite and metabolism in the adult mouse offspring. <i>Early Human Development</i> , 2007, 83, S131-S132.	1.8	2
315	Transgenerational effects of prenatal exposure to the Dutch famine. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2009, 116, 868-868.	2.3	2
316	Vascular, renal and placental effects on pregnant offspring of protein-restricted rat dams. <i>Journal of Obstetrics and Gynaecology Research</i> , 2011, 37, 343-351.	1.3	2
317	Epigenetic and Developmental Basis of Risk of Obesity and Metabolic Disease. , 2014, , 111-132.		2
318	Phenotypic and Epigenetic Inheritance Across Multiple Generations in Mammals Through the Female Line. , 2014, , 269-277.		2
319	Developing a Global Maternal Nutrition Guideline. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2015, 37, 885-886.	0.7	2
320	Evolutionary and Developmental Origins of Chronic Disease. , 2015, , 369-381.		2
321	Background to the Cape Town Manifesto: harnessing the power of the normal. <i>Journal of Developmental Origins of Health and Disease</i> , 2016, 7, 498-500.	1.4	2
322	Early-Life Nutrition, Epigenetics and Prevention of Obesity. , 2018, , 427-456.		2
323	Epigenetic and Developmental Basis of Risk of Obesity and Metabolic Disease. , 2021, , 289-313.		2
324	Stakeholder Perspectives on Barriers and Facilitators on the Implementation of the 1000 Days Plus Nutrition Policy Activities in Ghana. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5317.	2.6	2

#	ARTICLE	IF	CITATIONS
325	Post-COVID economic recovery: women and children first – or last?. Archives of Disease in Childhood, 2022, 107, 214-215.	1.9	2
326	Epigenetic Mechanisms in the Developmental Origins of Adult Disease. , 2011, , 187-204.		2
327	Evolutionary Medicine, Pregnancy, and the Mismatch Pathways to Increased Disease Risk. , 2019, , 13-26.		2
328	Population estimates and determinants of severe maternal thinness in India. International Journal of Gynecology and Obstetrics, 2021, 155, 380-397.	2.3	2
329	Learning from the process evaluation of a complex, pre-conception randomised controlled trial in Malaysia: the Jom Mama project. Journal of Global Health Reports, 0, 6, .	1.0	2
330	A scoping review of nutritional interventions and policy guidelines in the interconception period for prevention of noncommunicable diseases. , 0, , .		2
331	Mother and fetus. , 2004, , 25-58.		1
332	Predictive adaptive responses and human disease. , 2004, , 78-102.		1
333	Role of exposure to environmental chemicals in developmental origins of health and disease. , 0, , 82-97.		1
334	The developmental environment and insulin resistance. , 0, , 244-254.		1
335	Developmental Origins of Health and Disease across Generations – Theory, Observation, Experiment. , 2009, , 52-64.		1
336	Cardiovascular magnetic resonance: interstudy reproducibility of measurements of left ventricular function in children. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	3.3	1
337	Developmental Epigenomics and Metabolic Disease. Epigenetics and Human Health, 2013, , 31-50.	0.2	1
338	Maternal Obesity and Developmental Priming of Risk of Later Disease. , 2013, , 193-212.		1
339	Global, National, and Community Obesity Prevention Programs. , 2016, , 851-866.		1
340	Nutrition Through the Life Cycle: Pregnancy. , 2019, , 49-74.		1
341	RE: “INVITED COMMENTARY: THE DISILLUSIONMENT OF DEVELOPMENTAL ORIGINS OF HEALTH AND DISEASE (DOHAD) EPIDEMIOLOGY” American Journal of Epidemiology, 2021, 190, 185-185.	3.4	1
342	Why Obesity in Parents Matters. , 2016, , 1-9.		1

#	ARTICLE	IF	CITATIONS
343	Human Evolution and the Origins of Human Diversity. , 2016, , 131-158.		1
344	Nutritional and Metabolic Adaptation. , 2016, , 205-236.		1
345	Developmental Effects on Fetal Circulation. , 2011, , 798-807.		1
346	Maternal obesity and developmental priming of risk of later disease. , 2020, , 149-163.		1
347	Developing an integrated microsimulation model for the impact of fiscal policies on child health in Europe: the example of childhood obesity in Italy. BMC Medicine, 2021, 19, 310.	5.5	1
348	How do local authority plans to tackle obesity reflect systems thinking?. Perspectives in Public Health, 0, , 175791392211063.	1.6	1
349	Fetal choices. , 2004, , 59-77.		0
350	Predictive adaptive responses “critical processes in evolution. , 2004, , 144-172.		0
351	Evolutionary echoes and the human camel. , 2004, , 173-189.		0
352	Improving human health. , 2004, , 190-205.		0
353	Fetal futures. , 2004, , 206-215.		0
354	Further reading and references. , 2004, , 216-239.		0
355	Shaping our destiny: genes, environment and their interactions. , 2004, , 1-24.		0
356	Obesity, diabetes and other diseases. , 2004, , 103-117.		0
357	The biology of predictive adaptive responses. , 2004, , 118-143.		0
358	Specialist Life”Mark Hanson. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2005, 118, 124-125.	1.1	0
359	The Effect of Pre- and Peri-conceptional Undernutrition on Cardiac Electrophysiology in Adult Male Sheep Offspring. Journal of Molecular and Cellular Cardiology, 2006, 40, 988-989.	1.9	0
360	Programming the cardiovascular system. , 2006, , 275-285.		0

#	ARTICLE	IF	CITATIONS
361	The role of vascular dysfunction in developmental origins of health and disease: evidence from human and animal studies. , 2006, , 286-299.		0
362	Developmental Origins of Vascular Dysfunction and Disease. , 2006, , 85-122.		0
363	1C-3 Mechanistic aspects of intergenerational influences on risk of disease. Early Human Development, 2007, 83, S33-S34.	1.8	0
364	5D-6 High fat high cholesterol diet consumption in pregnancy attenuates bone marrow-derived circulating endothelial progenitor cells and increases the risk of cardiovascular disorders in the offspring. Early Human Development, 2007, 83, S74.	1.8	0
365	P2-137 Longitudinal study of umbilical and portal venous blood flow to the human fetal liver: low pregnancy weight gain is associated with preferential supply to the left liver lobe. Early Human Development, 2007, 83, S167-S168.	1.8	0
366	P2-151 Maternal parity and stress prior to conception: relationships with preterm delivery. Early Human Development, 2007, 83, S172.	1.8	0
367	Maternal diet alters expression of specific PPAR α transcripts in the hearts of their female offspring. Proceedings of the Nutrition Society, 2008, 67, .	1.0	0
368	Effect of maternal dietary restriction during pregnancy in rats on PPAR α -regulated genes in the heart of the male offspring. Proceedings of the Nutrition Society, 2010, 69, .	1.0	0
369	The Importance of Not Dropping Our "Hats". Journal of Developmental Origins of Health and Disease, 2010, 1, 85-85.	1.4	0
370	Long-term Consequences of Restricted Development. Journal of Perinatal Medicine, 2010, 38, .	1.4	0
371	Insights into pathogenesis of adult cardiovascular disease from fetal animal studies. , 0, , 12-23.		0
372	Epigenetic Approaches to Control Obesity. , 2012, , 297-320.		0
373	P0411 : Pregnancy induces selective changes in hepatic genes involved in cell proliferation and apoptosis in mice. Journal of Hepatology, 2015, 62, S467-S468.	3.7	0
374	Epigenetics - a cause for optimism?. Progress in Neurology and Psychiatry, 2015, 19, 4-4.	0.9	0
375	Global, National and Community Obesity Prevention Programs. , 2015, , 1-18.		0
376	Epigenetic Biomarkers and Global Health. , 2016, , 159-175.		0
377	Vitamin T overdose?: examining the phenomenon of widespread use of the broad spectrum antimicrobial piperacillin/tazobactam. Internal Medicine Journal, 2016, 46, 1116-1117.	0.8	0
378	Developmental Effects on the Fetal Circulation. , 2017, , 584-591.e3.		0

#	ARTICLE	IF	CITATIONS
379	A qualitative assessment of women's sourcing and appraisal of maternal nutritional information: a pilot study. <i>Proceedings of the Nutrition Society</i> , 2018, 77, .	1.0	0
380	OP39â€¦The association between an unhealthy childhood diet and body composition depends on prenatal experience: data from the southampton womenâ€™s survey. , 2018, , .		0
381	A Fetal Origin of Adult Disease. , 2019, , 8-19.		0
382	RF24â€¦A systematic review and meta-analysis of school-based educational interventions to improve body composition in adolescents. , 2019, , .		0
383	The prenatal embodiment of racial disparities. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 115, 13-14.	6.1	0
384	The prenatal embodiment of racial disparities. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 117, 317-318.	6.1	0
385	Childhood vascular phenotypes have differing associations with prenatal and postnatal growth. <i>Journal of Hypertension</i> , 2021, 39, 1884-1892.	0.5	0
386	MATERNAL LOW PROTEIN DIET DURING OOCYTE MATURATION CAUSES INCREASED SYSTOLIC BLOOD PRESSURE AND ABNORMAL BEHAVIOR IN THE MOUSE. <i>Biology of Reproduction</i> , 2007, 77, 208-208.	2.7	0
387	Fetal Reflexes in Chronic Hypoxaemia. <i>Advances in Experimental Medicine and Biology</i> , 1994, 360, 337-339.	1.6	0
388	Evolutionary Principles Applied to Medical Practice and Public Health. , 2016, , 303-326.		0
389	Evolution, Medicine, and Society. , 2016, , 327-340.		0
390	The Molecular Basis of Variation and Inheritance. , 2016, , 49-78.		0
391	An Evolutionary Framework for Understanding Human Health and Disease. , 2016, , 161-176.		0
392	Coevolution, infection, and immunity. , 2016, , 237-260.		0