Colin P Sibley

List of Publications by Year
in descending order

77 papers	4,700 citations	126708 33 h-index	98622 67 g-index
80 all docs	80 docs citations	80 times ranked	4220 citing authors

#	Article	IF	Citations
1	Hypoxia and oxidative stress induce sterile placental inflammation in vitro. Scientific Reports, 2021, 11, 7281.	1.6	26
2	Deletion of the Imprinted Phlda2 Gene Increases Placental Passive Permeability in the Mouse. Genes, 2021, 12, 639.	1.0	1
3	Enhanced Nitrite-Mediated Relaxation of Placental Blood Vessels Exposed to Hypoxia Is Preserved in Pregnancies Complicated by Fetal Growth Restriction. International Journal of Molecular Sciences, 2021, 22, 4500.	1.8	2
4	Targeted Delivery of Epidermal Growth Factor to the Human Placenta to Treat Fetal Growth Restriction. Pharmaceutics, 2021, 13, 1778.	2.0	12
5	Human placental uptake of glutamine and glutamate is reduced in fetal growth restriction. Scientific Reports, 2020, 10, 16197.	1.6	19
6	Grape Seed Extract Polyphenols Improve Resistance Artery Function in Pregnant eNOSâ€"/â€“ Mice. Frontiers in Physiology, 2020, 11, 588000.	1.3	5
7	Beetroot juice lowers blood pressure and improves endothelial function in pregnant eNOS^{â^'/â^'} mice: importance of nitrateâ€independent effects. Journal of Physiology, 2020, 598, 4079-4092.	1.3	17
8	Evidence of adaptation of maternofetal transport of glutamine relative to placental size in normal mice, and in those with fetal growth restriction. Journal of Physiology, 2019, 597, 4975-4990.	1.3	9
9	Knowledge needed about the exchange physiology of the placenta. Placenta, 2018, 64, S9-S15.	0.7	30
10	Exposure to omentum adipose tissue conditioned medium from obese pregnant women promotes myometrial artery dysfunction. Journal of Obstetrics and Gynaecology Research, 2018, 44, 124-133.	0.6	1
11	In VitroHuman Placental Studies to Support Adenovirus-MediatedVEGF-DÎ”NÎ”CMaternal Gene Therapy for the Treatment of Severe Early-Onset Fetal Growth Restriction. Human Gene Therapy Clinical Development, 2018, 29, 10-23.	3.2	11
12	Antenatal placental assessment in the prediction of adverse pregnancy outcome after reduced fetal movement. PLoS ONE, 2018, 13, e0206533.	1.1	17
13	Mechanisms Underpinning Adaptations in Placental Calcium Transport in Normal Mice and Those With Fetal Growth Restriction. Frontiers in Endocrinology, 2018, 9, 671.	1.5	3
14	Melatonin Increases Fetal Weight in Wild-Type Mice but Not in Mouse Models of Fetal Growth Restriction. Frontiers in Physiology, 2018, 9, 1141.	1.3	16
15	Pomegranate Juice Supplementation Alters Utero-Placental Vascular Function and Fetal Growth in the eNOSâ^'/â^' Mouse Model of Fetal Growth Restriction. Frontiers in Physiology, 2018, 9, 1145.	1.3	12
16	Nitrite mediated vasorelaxation in human chorionic plate vessels is enhanced by hypoxia and dependent on the NO-sGC-cGMP pathway. Nitric Oxide - Biology and Chemistry, 2018, 80, 82-88.	1.2	16
17	Effects of dietary nitrate supplementation, from beetroot juice, on blood pressure in hypertensive pregnant women: A randomised, double-blind, placebo-controlled feasibility trial. Nitric Oxide - Biology and Chemistry, 2018, 80, 37-44.	1.2	52
18	Relation of placental alkaline phosphatase expression in human term placenta with maternal and offspring fat mass. International Journal of Obesity, 2018, 42, 1202-1210.	1.6	11

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19	Dietary interventions for fetal growth restriction â€“ therapeutic potential of dietary nitrate supplementation in pregnancy. Journal of Physiology, 2017, 595, 5095-5102.	1.3	15
20	Treating the dysfunctional placenta. Journal of Endocrinology, 2017, 234, R81-R97.	1.2	62
21	Uric Acid Crystals Induce Placental Inflammation and Alter Trophoblast Function via an IL-1â€“Dependent Pathway: Implications for Fetal Growth Restriction. Journal of Immunology, 2017, 198, 443-451.	0.4	63
22	Human Placental Arterial Distensibility, Birth Weight, and Body Size Are Positively Related to Fetal Homocysteine Concentration. Reproductive Sciences, 2017, 24, 1070-1078.	1.1	2
23	Adaptations in Maternofetal Calcium Transport in Relation to Placental Size and Fetal Sex in Mice. Frontiers in Physiology, 2017, 8, 1050.	1.3	13
24	Oxygen-Sensitive K+ Channels Modulate Human Chorionic Gonadotropin Secretion from Human Placental Trophoblast. PLoS ONE, 2016, 11, e0149021.	1.1	10
25	Placental Adaptation: What Can We Learn from Birthweight:Placental Weight Ratio?. Frontiers in Physiology, 2016, 7, 28.	1.3	187
26	The atrial natriuretic peptide (ANP) knockout mouse does not exhibit the phenotypic features of pre-eclampsia or demonstrate fetal growth restriction. Placenta, 2016, 42, 25-27.	0.7	4
27	The impact of a human IGF-II analog ([Leu²⁷]IGF-II) on fetal growth in a mouse model of fetal growth restriction. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E24-E31.	1.8	17
28	R1 changes in the human placenta at 3ÂT in response to a maternal oxygen challenge protocol. Placenta, 2016, 39, 151-153.	0.7	11
29	Quantitative assessment of placental morphology may identify specific causes of stillbirth. BMC Clinical Pathology, 2016, 16, 1.	1.8	81
30	Dysregulated flowâ€mediated vasodilatation in the human placenta in fetal growth restriction. Journal of Physiology, 2015, 593, 3077-3092.	1.3	46
31	Sildenafil Therapy Normalizes the Aberrant Metabolomic Profile in the Comtâ^'/â^' Mouse Model of Preeclampsia/Fetal Growth Restriction. Scientific Reports, 2015, 5, 18241.	1.6	26
32	Placental Features of Late-Onset Adverse Pregnancy Outcome. PLoS ONE, 2015, 10, e0129117.	1.1	34
33	Integration of computational modeling with membrane transport studies reveals new insights into amino acid exchange transport mechanisms. FASEB Journal, 2015, 29, 2583-2594.	0.2	31
34	IFPA GÃ¡bor Than Award Lecture: Recognition of placental failure is key to saving babies' lives. Placenta, 2015, 36, S20-S28.	0.7	40
35	The feasibility phase of a community antenatal lifestyle programme [The Lifestyle Course (TLC)] for women with a body mass index (BMI)â‰¥30kg/m2. Midwifery, 2015, 31, 280-287.	1.0	5
36	In vitro assessment of mouse fetal abdominal aortic vascular function. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R746-R754.	0.9	7

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37	Circulating Cytokines and Alarmins Associated with Placental Inflammation in Highâ€Risk Pregnancies. American Journal of Reproductive Immunology, 2014, 72, 422-434.	1.2	63
38	Absence of <scp>Po</scp>₂ change in fetal brain despite <scp>Po</scp>₂ increase in placenta in response to maternal oxygen challenge. BJOG: an International Journal of Obstetrics and Gynaecology, 2014, 121, 1588-1594.	1.1	22
39	Increased fetal weight in wild-type mice following melatonin treatment: Effect on uterine artery function. Placenta, 2014, 35, A41-A42.	0.7	1
40	Intermediate Conductance Ca2+-Activated K+ Channels Modulate Human Placental Trophoblast Syncytialization. PLoS ONE, 2014, 9, e90961.	1.1	16
41	Review: Transport across the placenta of mice and women. Placenta, 2013, 34, S34-S39.	0.7	126
42	R₁ and R₂* changes in the human placenta in response to maternal oxygen challenge. Magnetic Resonance in Medicine, 2013, 70, 1427-1433.	1.9	68
43	Effects of Resveratrol in Pregnancy Using Murine Models with Reduced Blood Supply to the Uterus. PLoS ONE, 2013, 8, e64401.	1.1	68
44	Sildenafil Citrate Rescues Fetal Growth in the Catechol- O -Methyl Transferase Knockout Mouse Model. Hypertension, 2012, 59, 1021-1028.	1.3	111
45	Effect of the Anti-Oxidant Tempol on Fetal Growth in a Mouse Model of Fetal Growth Restriction1. Biology of Reproduction, 2012, 87, 25, 1-8.	1.2	45
46	Maternal Perception of Reduced Fetal Movements Is Associated with Altered Placental Structure and Function. PLoS ONE, 2012, 7, e34851.	1.1	105
47	Predictors of Poor Perinatal Outcome following Maternal Perception of Reduced Fetal Movements â€“ A Prospective Cohort Study. PLoS ONE, 2012, 7, e39784.	1.1	103
48	Magnetic resonance imaging relaxation time measurements of the placenta at 1.5T. Placenta, 2011, 32, 1010-1015.	0.7	45
49	Developmental adaptations to increased fetal nutrient demand in mouse genetic models of Igf2â€mediated overgrowth. FASEB Journal, 2011, 25, 1737-1745.	0.2	62
50	Isolation of Plasma Membrane Vesicles from Mouse Placenta at Term and Measurement of System A and System Î² Amino Acid Transporter Activity. Placenta, 2010, 31, 53-59.	0.7	34
51	Review: Adaptation in placental nutrient supply to meet fetal growth demand: Implications for programming. Placenta, 2010, 31, S70-S74.	0.7	72
52	Maternal muscle mass may influence system A activity in human placenta. Placenta, 2010, 31, 418-422.	0.7	31
53	Placental nutrient supply and fetal growth. International Journal of Developmental Biology, 2010, 54, 377-390.	0.3	135
54	Placental phenotype and fetal growth. Journal of Physiology, 2009, 587, 3429-3429.	1.3	5

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55	In Vitro Methods for Studying Human Placental Amino Acid Transport: Placental Villous Fragments. , 2006, 122, 253-264.		21
56	Regulation of Transplacental Water Transfer: the Role of Fetoplacental Venous Tone. Placenta, 2006, 27, 560-567.	0.7	34
57	Electrical potential difference between mother and conceptus in the mouse. Placenta, 2005, 26, 349-352.	0.7	2
58	Epidermal Growth Factor Stimulation of Trophoblast Differentiation Requires MAPK11/14 (p38 MAP) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	56
59	Placental Phenotypes of Intrauterine Growth. Pediatric Research, 2005, 58, 827-832.	1.1	216
60	Adaptation of nutrient supply to fetal demand in the mouse involves interaction between the Igf2 gene and placental transporter systems. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 19219-19224.	3.3	306
61	Characterization of cationic amino acid transporters and expression of endothelial nitric oxide synthase in human placental microvascular endothelial cells. FASEB Journal, 2004, 18, 125-127.	0.2	49
62	Placental-specific IGF-II is a major modulator of placental and fetal growth. Nature, 2002, 417, 945-948.	13.7	961
63	Inwardly Rectifying K+Current and Differentiation of Human Placental Cytotrophoblast Cells in Culture. Placenta, 2001, 22, 328-336.	0.7	25
64	Activity and Expression of the Na+/H+ Exchanger in the Microvillous Plasma Membrane of the Syncytiotrophoblast in Relation to Gestation and Small for Gestational Age Birth. Pediatric Research, 2000, 48, 652-659.	1.1	32
65	System A Amino Acid Transporter Activity in Human Placental Microvillous Membrane Vesicles in Relation to Various Anthropometric Measurements in Appropriate and Small for Gestational Age Babies. Pediatric Research, 1999, 45, 810-814.	1.1	34
66	Neutral Amino Acid Uptake by the Microvillous Plasma Membrane of the Human Placenta Is Inversely Related to Fetal Size at Birth in Normal Pregnancy¹. Journal of Clinical Endocrinology and Metabolism, 1998, 83, 3320-3326.	1.8	76
67	Mechanisms of solute transfer across the human placenta: effects of intrauterine growth restriction. Fetal and Maternal Medicine Review, 1998, 10, 197-206.	0.3	13
68	Chloride Transport across Syncytiotrophoblast Microvillous Membrane of First Trimester Human Placenta. Pediatric Research, 1998, 44, 226-232.	1.1	11
69	Association between the Activity of the System A Amino Acid Transporter in the Microvillous Plasma Membrane of the Human Placenta and Severity of Fetal Compromise in Intrauterine Growth Restriction. Pediatric Research, 1997, 42, 514-519.	1.1	257
70	A Ca 2+ -activated Whole-Cell Cl â" Conductance In Human Placental Cytotrophoblast Cells Activated Via a G Protein. Journal of Membrane Biology, 1996, 151, 131-138.	1.0	20
71	Effect of Fetal Growth Restriction on System A Amino Acid Transporter Activity in the Maternal Facing Plasma Membrane of Rat Syncytiotrophoblast. Pediatric Research, 1996, 40, 325-329.	1.1	26
72	Mechanisms of ion transfer by the rat placenta: A model for the human placenta?. Placenta, 1994, 15, 675-691.	0.7	37

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73	Paracellular permeability pathways in the human placenta: A quantitative and morphological study of maternal-fetal transfer of horseradish peroxidase. Placenta, 1993, 14, 63-73.	0.7	69
74	Amino Acid (System A) Transporter Activity in Microvillous Membrane Vesicles from the Placentas of Appropriate and Small for Gestational Age Babies. Pediatric Research, 1993, 34, 661-665.	1.1	231
75	Preparation of plasma membrane vesicles from the rat placenta at term and measurement of Na+ uptake. Placenta, 1990, 11, 451-463.	0.7	36
76	Purification and Na+ uptake by human placental microvillus membrane vesicles prepared by three different methods. Biochimica Et Biophysica Acta - Biomembranes, 1988, 945, 127-134.	1.4	97
77	Permeability of the near-term rat placenta to hydrophilic solutes. Placenta, 1988, 9, 361-372.	0.7	48