

Paul Brownbill

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,118
citations

394286

19
h-index

395590

33
g-index

35
all docs

35
docs citations

35
times ranked

1245
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic review of placental pathology reported in association with stillbirth. <i>Placenta</i> , 2014, 35, 552-562.	0.7	134
2	Expression of BCL-2, BAX and BAK in the Trophoblast Layer of the Term Human Placenta: a Unique Model of Apoptosis within a Syncytium. <i>Placenta</i> , 2000, 21, 361-366.	0.7	91
3	Mechanisms of alphafetoprotein transfer in the perfused human placental cotyledon from uncomplicated pregnancy.. <i>Journal of Clinical Investigation</i> , 1995, 96, 2220-2226.	3.9	86
4	Quantitative assessment of placental morphology may identify specific causes of stillbirth. <i>BMC Clinical Pathology</i> , 2016, 16, 1.	1.8	81
5	Review: Adaptation in placental nutrient supply to meet fetal growth demand: Implications for programming. <i>Placenta</i> , 2010, 31, S70-S74.	0.7	72
6	Fetoplacental vascular alterations associated with fetal growth restriction. <i>Placenta</i> , 2014, 35, 808-815.	0.7	61
7	In Vitro Dual Perfusion of Human Placental Lobules as a Flow Phantom to Investigate the Relationship between Fetoplacental Flow and Quantitative 3D Power Doppler Angiography. <i>Placenta</i> , 2009, 30, 130-135.	0.7	60
8	Dysregulated flow-mediated vasodilatation in the human placenta in fetal growth restriction. <i>Journal of Physiology</i> , 2015, 593, 3077-3092.	1.3	46
9	Human placental oxygenation in late gestation: experimental and theoretical approaches. <i>Journal of Physiology</i> , 2018, 596, 5523-5534.	1.3	44
10	Mechanisms of maternofetal exchange across the human placenta. <i>Biochemical Society Transactions</i> , 1998, 26, 86-91.	1.6	42
11	Neurokinin B Is a Paracrine Vasodilator in the Human Fetal Placental Circulation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 2164-2170.	1.8	41
12	Modification of fetal plasma amino acid composition by placental amino acid exchangers in vitro. <i>Journal of Physiology</i> , 2007, 582, 871-882.	1.3	41
13	Image-Based Modeling of Blood Flow and Oxygen Transfer in Feto-Placental Capillaries. <i>PLoS ONE</i> , 2016, 11, e0165369.	1.1	35
14	Optimal villi density for maximal oxygen uptake in the human placenta. <i>Journal of Theoretical Biology</i> , 2015, 364, 383-396.	0.8	34
15	Vasoactivity to and Endogenous Release of Vascular Endothelial Growth Factor in the in vitro Perfused Human Placental Lobule from Pregnancies Complicated by Preeclampsia. <i>Placenta</i> , 2008, 29, 950-955.	0.7	30
16	Knowledge needed about the exchange physiology of the placenta. <i>Placenta</i> , 2018, 64, S9-S15.	0.7	30
17	Hypoxic treatment of human dual placental perfusion induces a preeclampsia-like inflammatory response. <i>Laboratory Investigation</i> , 2014, 94, 873-880.	1.7	28
18	Ex Vivo Dual Perfusion of the Human Placenta: Disease Simulation, Therapeutic Pharmacokinetics and Analysis of Off-Target Effects. <i>Methods in Molecular Biology</i> , 2018, 1710, 173-189.	0.4	26

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19	Adapting in vitro dual perfusion of the human placenta to soluble oxygen tensions associated with normal and pre-eclamptic pregnancy. <i>Laboratory Investigation</i> , 2011, 91, 181-189.	1.7	20
20	A massively multi-scale approach to characterizing tissue architecture by synchrotron micro-CT applied to the human placenta. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210140.	1.5	20
21	Cell free hemoglobin in the fetoplacental circulation: a novel cause of fetal growth restriction?. <i>FASEB Journal</i> , 2018, 32, 5436-5446.	0.2	16
22	An international network (PlaNet) to evaluate a human placental testing platform for chemicals safety testing in pregnancy. <i>Reproductive Toxicology</i> , 2016, 64, 191-202.	1.3	15
23	Targeted Delivery of Epidermal Growth Factor to the Human Placenta to Treat Fetal Growth Restriction. <i>Pharmaceutics</i> , 2021, 13, 1778.	2.0	12
24	In Vitro Human Placental Studies to Support Adenovirus-Mediated VEGF-D ¹ Maternal Gene Therapy for the Treatment of Severe Early-Onset Fetal Growth Restriction. <i>Human Gene Therapy Clinical Development</i> , 2018, 29, 10-23.	3.2	11
25	Quantifying the impact of tissue metabolism on solute transport in feto-placental microvascular networks. <i>Interface Focus</i> , 2019, 9, 20190021.	1.5	10
26	Pulsatility effects of flow on vascular tone in the fetoplacental circulation. <i>Placenta</i> , 2020, 101, 163-168.	0.7	7
27	Ex vivo dual perfusion of an isolated human placenta cotyledon: Towards protocol standardization and improved inter-centre comparability. <i>Placenta</i> , 2022, 126, 83-89.	0.7	7
28	Ex vivo dual perfusion of an isolated cotyledon of human placenta: History and future challenges. <i>Placenta</i> , 2021, 107, 8-12.	0.7	3
29	Raman spectroscopy as a novel method in placental research: Recognizing the pattern of placental hypoxia. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1896-1899.	1.2	2