Rebecca M Dyson

List of Publications by Year
in descending order

27	398	759055 12	794469 19
papers	citations	h-index	g-index

28	28	28	444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. Journal of Physiology, 2018, 596, 5535-5569.	1.3	105
2	Identification of Eight Different Isoforms of the Glucocorticoid Receptor in Guinea Pig Placenta: Relationship to Preterm Delivery, Sex and Betamethasone Exposure. PLoS ONE, 2016, 11, e0148226.	1.1	23
3	Long-term effects of preterm birth on behavior and neurosteroid sensitivity in the guinea pig. Pediatric Research, 2016, 80, 275-283.	1.1	23
4	Reduced Neurosteroid Exposure Following Preterm Birth and Itsâ€™ Contribution to Neurological Impairment: A Novel Avenue for Preventative Therapies. Frontiers in Physiology, 2019, 10, 599.	1.3	22
5	Neurosteroid replacement therapy using the allopregnanolone-analogue ganaxolone following preterm birth in male guinea pigs. Pediatric Research, 2019, 85, 86-96.	1.1	22
6	The Epigenetic Role of Vitamin C in Neurodevelopment. International Journal of Molecular Sciences, 2022, 23, 1208.	1.8	22
7	The guinea pig as an animal model for studying perinatal changes in microvascular function. Pediatric Research, 2012, 71, 20-24.	1.1	21
8	Disruptions to the cerebellar GABAergic system in juvenile guinea pigs following preterm birth. International Journal of Developmental Neuroscience, 2018, 65, 1-10.	0.7	20
9	Interactions of the Gasotransmitters Contribute to Microvascular Tone (Dys)regulation in the Preterm Neonate. PLoS ONE, 2015, 10, e0121621.	1.1	18
10	A Role for H2S in the Microcirculation of Newborns: The Major Metabolite of H2S (Thiosulphate) Is Increased in Preterm Infants. PLoS ONE, 2014, 9, e105085.	1.1	16
11	Early microvascular changes in the preterm neonate: a comparative study of the human and guinea pig. Physiological Reports, 2014, 2, e12145.	0.7	13
12	Premature guinea pigs: a new paradigm to investigate the late-effects of preterm birth. Journal of Developmental Origins of Health and Disease, 2015, 6, 143-148.	0.7	13
13	Videomicroscopy as a tool for investigation of the microcirculation in the newborn. Physiological Reports, 2016, 4, e12941.	0.7	13
14	Influence of sympathetic activity in the control of peripheral microvascular tone in preterm infants. Pediatric Research, 2016, 80, 793-799.	1.1	10
15	Outcomes of 23- and 24-weeks gestation infants in Wellington, New Zealand: A single centre experience. Scientific Reports, 2017, 7, 12769.	1.6	10
16	Fructose Consumption During Pregnancy Influences Milk Lipid Composition and Offspring Lipid Profiles in Guinea Pigs. Frontiers in Endocrinology, 2020, 11, 550.	1.5	10
17	Methamphetamine administration increases hepatic CYP1A2 but not CYP3AÂactivity in female guinea pigs. PLoS ONE, 2020, 15, e0233010.	1.1	9
18	Magnesium sulfate has sex-specific, dose-dependent vasodilator effects on preterm placental vessels. Biology of Sex Differences, 2015, 6, 22.	1.8	7

#	Article	IF	Citations
19	Microvascular circulatory dysregulation driven in part by cystathionine gammaâ€lyase: A new paradigm for cardiovascular compromise in the preterm newborn. Microcirculation, 2019, 26, e12507.	1.0	5
20	Maternal Fructose Intake Causes Developmental Reprogramming of Hepatic Mitochondrial Catalytic Activity and Lipid Metabolism in Weanling and Young Adult Offspring. International Journal of Molecular Sciences, 2022, 23, 999.	1.8	5
21	Differential effects of four intramuscular sedatives on cardiorespiratory stability in juvenile guinea pigs (Cavia porcellus). PLoS ONE, 2021, 16, e0259559.	1.1	4
22	Nitrous oxide improves cardiovascular, respiratory, and thermal stability during prolonged isoflurane anesthesia in juvenile guinea pigs. Pharmacology Research and Perspectives, 2021, 9, e00713.	1.1	2
23	Examining Neurosteroid-Analogue Therapy in the Preterm Neonate For Promoting Hippocampal Neurodevelopment. Frontiers in Physiology, 2022, 13, 871265.	1.3	2
24	Microcirculation of the Newborn. , 0, , .		1
25	Arginine vasopressin improves cerebral perfusion following controlled haemorrhage in adult ewes. Journal of Physiology, 2019, 597, 4165-4173.	1.3	1
26	Adaptations in the Hippocampus during the Fetal to Neonatal Transition in Guinea Pigs. Reproductive Medicine, 2022, 3, 85-100.	0.3	1
27	Bad Eggs and Babies; is H2S a Key Player in the Newborn Circulation?. Pediatric Research, 2011, 70, 290-290.	1.1	0