

Boris Matrot

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

649
citations

686830

13
h-index

610482

24
g-index

37
all docs

37
docs citations

37
times ranked

898
citing authors

#	ARTICLE	IF	CITATIONS
1	Breathing without CO ₂ Chemosensitivity in Conditional <i>Phox2b</i> Mutants. <i>Journal of Neuroscience</i> , 2011, 31, 12880-12888.	1.7	149
2	Melatonin prevents learning disorders in brain-lesioned newborn mice. <i>Neuroscience</i> , 2007, 150, 712-719.	1.1	52
3	Onset of pup locomotion coincides with loss of NR2C/D-mediated cortico-striatal EPSCs and dampening of striatal network immature activity. <i>Frontiers in Cellular Neuroscience</i> , 2011, 5, 24.	1.8	49
4	Ventilatory response to hyperoxia in newborn mice heterozygous for the transcription factor <i>Phox2b</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 290, R1691-R1696.	0.9	34
5	Automatic classification of activity and apneas using whole body plethysmography in newborn mice. <i>Journal of Applied Physiology</i> , 2005, 98, 365-370.	1.2	29
6	Protective effects of intermittent hypoxia on brain and memory in a mouse model of apnea of prematurity. <i>Frontiers in Physiology</i> , 2015, 6, 313.	1.3	29
7	Myelination induction by a histamine H3 receptor antagonist in a mouse model of preterm white matter injury. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 265-276.	2.0	25
8	Inhibitory effects of repeated hyperoxia on breathing in newborn mice. <i>European Respiratory Journal</i> , 2006, 29, 18-24.	3.1	20
9	Assessing fluid balance in critically ill pediatric patients. <i>European Journal of Pediatrics</i> , 2015, 174, 133-137.	1.3	20
10	Effects of temperature on ventilatory response to hypercapnia in newborn mice heterozygous for transcription factor <i>Phox2b</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R2027-R2035.	0.9	17
11	Transgenic Models to Study Disorders of Respiratory Control in Newborn Mice. <i>ILAR Journal</i> , 2006, 47, 15-21.	1.8	16
12	Maternal dietary omega-3 deficiency worsens the deleterious effects of prenatal inflammation on the gut-brain axis in the offspring across lifetime. <i>Neuropsychopharmacology</i> , 2021, 46, 579-602.	2.8	16
13	Bench to Cribside: the Path for Developing a Neuroprotectant. <i>Translational Stroke Research</i> , 2013, 4, 258-277.	2.3	15
14	Safety study of Ciprofloxacin in newborn mice. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 74, 161-169.	1.3	15
15	First Dose in Neonates: Are Juvenile Mice, Adults and In Vitro "In Silico" Data Predictive of Neonatal Pharmacokinetics of Fluconazole. <i>Clinical Pharmacokinetics</i> , 2014, 53, 1005-1018.	1.6	14
16	Impaired ventilatory and thermoregulatory responses to hypoxic stress in newborn <i>Phox2b</i> heterozygous knock-out mice. <i>Frontiers in Physiology</i> , 2011, 2, 61.	1.3	13
17	Cold stimulates the behavioral response to hypoxia in newborn mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1503-R1511.	0.9	12
18	Treatment-induced prevention of learning deficits in newborn mice with brain lesions. <i>Neuroscience</i> , 2006, 141, 795-801.	1.1	11

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19	Obstructive Apneas in a Mouse Model of Congenital Central Hypoventilation Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 1200-1210.	2.5	11
20	The vesicular glutamate transporter VGLUT3 contributes to protection against neonatal hypoxic stress. <i>Journal of Physiology</i> , 2012, 590, 5183-5198.	1.3	10
21	Acetylcholine Modulates the Hormones of the Growth Hormone/Insulinlike Growth Factor-1 Axis During Development in Mice. <i>Endocrinology</i> , 2018, 159, 1844-1859.	1.4	10
22	Arousal response to hypoxia in newborns: Insights from animal models. <i>Biological Psychology</i> , 2010, 84, 39-45.	1.1	9
23	Olfactory classical conditioning in neonatal mouse pups using thermal stimuli. <i>Behavioural Brain Research</i> , 2012, 229, 250-256.	1.2	9
24	Emotional disorders in adult mice heterozygous for the transcription factor Phox2b. <i>Physiology and Behavior</i> , 2015, 141, 120-126.	1.0	9
25	Breathing under Anesthesia. <i>Anesthesiology</i> , 2019, 130, 995-1006.	1.3	9
26	Cross-sectional case-control study of the relationships between pharyngeal compliance and heart rate variability indices in childhood obstructive sleep apnoea. <i>Journal of Sleep Research</i> , 2021, 30, e13337.	1.7	9
27	Learned defense response to hypoxia in newborn mice. <i>Neuroscience Letters</i> , 2007, 420, 268-272.	1.0	8
28	A cross-over study of continuous tracheal cuff pressure monitoring in critically-ill children. <i>Intensive Care Medicine</i> , 2016, 42, 132-133.	3.9	7
29	Cross-sectional study of loop gain abnormalities in childhood obstructive sleep apnea syndrome. <i>Sleep Medicine</i> , 2020, 69, 172-178.	0.8	7
30	Hyperactivation of Alk induces neonatal lethality in knock-in AlkF1178L mice. <i>Oncotarget</i> , 2014, 5, 2703-2713.	0.8	6
31	Comparison of methods of chemical loop gain measurement during tidal ventilation in awake healthy subjects. <i>Journal of Applied Physiology</i> , 2018, 125, 1681-1692.	1.2	5
32	Nebulized curcumin protects neonatal lungs from antenatal insult in rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L545-L552.	1.3	3
33	Respiratory and neurobehavioural characteristics of a murine model of congenital myotonic dystrophy type 1. , 2015, , .		0