Leah R Reznikov

List of Publications by Year
in descending order

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Version: 2024-02-01

60 papers	3,723 citations	147801 31 h-index	182427 51 g-index
65 all docs	65 docs citations	65 times ranked	5743 citing authors

#	Article	IF	Citations
1	Middle East Respiratory Syndrome Coronavirus Causes Multiple Organ Damage and Lethal Disease in Mice Transgenic for Human Dipeptidyl Peptidase 4. Journal of Infectious Diseases, 2016, 213, 712-722.	4.0	375
2	Memory impairment in obese Zucker rats: An investigation of cognitive function in an animal model of insulin resistance and obesity.. Behavioral Neuroscience, 2005, 119, 1389-1395.	1.2	294
3	Airway acidification initiates host defense abnormalities in cystic fibrosis mice. Science, 2016, 351, 503-507.	12.6	254
4	Protons are a neurotransmitter that regulates synaptic plasticity in the lateral amygdala. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8961-8966.	7.1	227
5	Loss of Anion Transport without Increased Sodium Absorption Characterizes Newborn Porcine Cystic Fibrosis Airway Epithelia. Cell, 2010, 143, 911-923.	28.9	218
6	The Î” F508 Mutation Causes CFTR Misprocessing and Cystic Fibrosisâ€“Like Disease in Pigs. Science Translational Medicine, 2011, 3, 74ra24.	12.4	178
7	Acute stress-mediated increases in extracellular glutamate levels in the rat amygdala: differential effects of antidepressant treatment. European Journal of Neuroscience, 2007, 25, 3109-3114.	2.6	168
8	pH modulates the activity and synergism of the airway surface liquid antimicrobials Î²-defensin-3 and LL-37. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18703-18708.	7.1	164
9	Corticosterone Impairs Insulin-Stimulated Translocation of GLUT4 in the Rat Hippocampus. Neuroendocrinology, 2007, 85, 71-80.	2.5	117
10	Intestinal CFTR expression alleviates meconium ileus in cystic fibrosis pigs. Journal of Clinical Investigation, 2013, 123, 2685-2693.	8.2	109
11	Pigs and humans with cystic fibrosis have reduced insulin-like growth factor 1 (IGF1) levels at birth. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20571-20575.	7.1	101
12	ASIC2 Subunits Target Acid-Sensing Ion Channels to the Synapse via an Association with PSD-95. Journal of Neuroscience, 2009, 29, 8438-8446.	3.6	96
13	Immunocytochemical analysis of synaptic proteins provides new insights into diabetes-mediated plasticity in the rat hippocampus. Neuroscience, 2005, 136, 477-486.	2.3	94
14	Localization and behaviors in null mice suggest that <scp>ASIC1</scp> and <scp>ASIC2</scp> modulate responses to aversive stimuli. Genes, Brain and Behavior, 2014, 13, 179-194.	2.2	83
15	Antibacterial properties of the CFTR potentiator ivacaftor. Journal of Cystic Fibrosis, 2014, 13, 515-519.	0.7	83
16	Stimulation of cortical acetylcholine release by orexin A. Neuroscience, 2005, 130, 541-547.	2.3	78
17	Activation of orexin neurons by acute nicotine. European Journal of Pharmacology, 2006, 535, 172-176.	3.5	78
18	Identification of antiviral antihistamines for COVID-19 repurposing. Biochemical and Biophysical Research Communications, 2021, 538, 173-179.	2.1	73

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19	Impaired butyrate absorption in the proximal colon, low serum butyrate and diminished central effects of butyrate on blood pressure in spontaneously hypertensive rats. Acta Physiologica, 2019, 226, e13256.	3.8	69
20	Lentivirus-mediated downregulation of hypothalamic insulin receptor expression. Physiology and Behavior, 2007, 92, 691-701.	2.1	66
21	Glycaemic regulation and insulin secretion are abnormal in cystic fibrosis pigs despite sparing of islet cell mass. Clinical Science, 2015, 128, 131-142.	4.3	64
22	Tianeptine increases brain-derived neurotrophic factor expression in the rat amygdala. European Journal of Pharmacology, 2007, 565, 68-75.	3.5	62
23	Sinus hypoplasia precedes sinus infection in a porcine model of cystic fibrosis. Laryngoscope, 2012, 122, 1898-1905.	2.0	61
24	Activation of phenotypically distinct neuronal subpopulations in the anterior subdivision of the rat basolateral amygdala following acute and repeated stress. Journal of Comparative Neurology, 2008, 508, 458-472.	1.6	59
25	Cystic Fibrosis Transmembrane Conductance Regulator in Sarcoplasmic Reticulum of Airway Smooth Muscle. Implications for Airway Contractility. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 417-426.	5.6	58
26	CFTR-deficient pigs display peripheral nervous system defects at birth. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3083-3088.	7.1	44
27	Strategies for measuring airway mucus and mucins. Respiratory Research, 2019, 20, 261.	3.6	41
28	The antidepressant agomelatine inhibits stress-mediated changes in amino acid efflux in the rat hippocampus and amygdala. Brain Research, 2012, 1466, 91-98.	2.2	40
29	Neuropeptides in asthma, chronic obstructive pulmonary disease and cystic fibrosis. Respiratory Research, 2018, 19, 149.	3.6	39
30	Effects of acute and repeated restraint stress on gaba efflux in the rat basolateral and central amygdala. Brain Research, 2009, 1256, 61-68.	2.2	38
31	Immunohistochemical Detection of Markers for Translational Studies of Lung Disease in Pigs and Humans. Toxicologic Pathology, 2016, 44, 434-441.	1.8	34
32	Cystic Fibrosis and the Nervous System. Chest, 2017, 151, 1147-1155.	0.8	32
33	Motile cilia of human airway epithelia contain hedgehog signaling components that mediate noncanonical hedgehog signaling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1370-1375.	7.1	31
34	Comparison of Isoflurane, Ketamineâ€“Dexmedetomidine, and Ketamineâ€“Xylazine for General Anesthesia during Oral Procedures in Rice Rats (Oryzomys palustris). Journal of the American Association for Laboratory Animal Science, 2019, 58, 40-49.	1.2	23
35	Acid-Sensing Ion Channel 1a Contributes to Airway Hyperreactivity in Mice. PLoS ONE, 2016, 11, e0166089.	2.5	21
36	Glycogen depletion can increase the specificity of mucin detection in airway tissues. BMC Research Notes, 2018, 11, 763.	1.4	19

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37	Tianeptine modulates amygdalar glutamate neurochemistry and synaptic proteins in rats subjected to repeated stress. Experimental Neurology, 2013, 241, 184-193.	4.1	16
38	Simple and reproducible approaches for the collection of select porcine ganglia. Journal of Neuroscience Methods, 2017, 289, 93-98.	2.5	14
39	Influence of SARS-CoV-2 on airway mucus production: A review and proposed model. Veterinary Pathology, 2022, 59, 578-585.	1.7	14
40	Sex-specific airway hyperreactivity and sex-specific transcriptome remodeling in neonatal piglets challenged with intra-airway acid. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L131-L143.	2.9	13
41	Solitary Cholinergic Stimulation Induces Airway Hyperreactivity and Transcription of Distinct Pro-inflammatory Pathways. Lung, 2018, 196, 219-229.	3.3	11
42	Expression and Activity of Acid-Sensing Ion Channels in the Mouse Anterior Pituitary. PLoS ONE, 2014, 9, e115310.	2.5	11
43	Caffeine elicits c-Fos expression in horizontal diagonal band cholinergic neurons. NeuroReport, 2009, 20, 1609-1612.	1.2	10
44	The vagal ganglia transcriptome identifies candidate therapeutics for airway hyperreactivity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L133-L148.	2.9	10
45	Attenuated Amiloride-Sensitive Current and Augmented Calcium-Activated Chloride Current in Marsh Rice Rat (Oryzomys palustris) Airways. IScience, 2019, 19, 737-748.	4.1	9
46	Early Lung Disease Exhibits Bacteria-Dependent and -Independent Abnormalities in Cystic Fibrosis Pigs. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 692-702.	5.6	8
47	Overexpression of Substance P in pig airways increases MUC5AC through an NFâ€kÎ² pathway. Physiological Reports, 2021, 9, e14749.	1.7	6
48	Acid exposure disrupts mucus secretion and impairs mucociliary transport in neonatal piglet airways. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L873-L887.	2.9	5
49	Airway cholinergic history modifies mucus secretion properties to subsequent cholinergic challenge in diminished chloride and bicarbonate conditions. Experimental Physiology, 2020, 105, 1673-1683.	2.0	2
50	The Underlying Mechanism of Modulation of Transient Receptor Potential Melastatin 3 by protons. Frontiers in Pharmacology, 2021, 12, 632711.	3.5	1
51	From apples to airways â€“ why gravity matters. Experimental Physiology, 2022, 107, 745-746.	2.0	1
52	Identification of cholinergic cells with chemosensory traits in the porcine uterus. Cell and Tissue Research, 2022, 388, 33-47.	2.9	1
53	Interest in and Awareness of French President Emmanuel Macronâ€™s â€œMake our Planet Great Againâ€• Initiative. Social Sciences, 2018, 7, 102.	1.4	0
54	Long-term culturing of porcine nodose ganglia. Journal of Neuroscience Methods, 2020, 332, 108546.	2.5	0

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55	SPARC: Development of Pigs with mCherryâ€CRE Recombinase Fusion Proteins in Cholinergic Neurons. FASEB Journal, 2020, 34, 1-1.	0.5	0
56	Neuralâ€Like Plasticity in Airway Epithelia. FASEB Journal, 2020, 34, 1-1.	0.5	0
57	Protective Effect of Diminazene Aceturate in Acidâ€Induced Airway Obstruction. FASEB Journal, 2020, 34, 1-1.	0.5	0
58	PKCÎµ sensing in the carotid body â€“ a new target for asthma?. Journal of Physiology, 2021, 599, 1007-1008.	2.9	0
59	Amygdalar Plasticity in Airway Disease. FASEB Journal, 2020, 34, 1-1.	0.5	0
60	To alkalinize or acidify, that is the question. Biophysical Journal, 2021, , .	0.5	0