

# Leah R Reznikov

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

3,723  
citations

147786

31  
h-index

182417

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. <i>Journal of Infectious Diseases</i> , 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. <i>Behavioral Neuroscience</i> , 2005, 119, 1389-1395.	1.2	294
3	Airway acidification initiates host defense abnormalities in cystic fibrosis mice. <i>Science</i> , 2016, 351, 503-507.	12.6	254
4	Protons are a neurotransmitter that regulates synaptic plasticity in the lateral amygdala. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8961-8966.	7.1	227
5	Loss of Anion Transport without Increased Sodium Absorption Characterizes Newborn Porcine Cystic Fibrosis Airway Epithelia. <i>Cell</i> , 2010, 143, 911-923.	28.9	218
6	The $\Delta F508$ Mutation Causes CFTR Misprocessing and Cystic Fibrosis-Like Disease in Pigs. <i>Science Translational Medicine</i> , 2011, 3, 74ra24.	12.4	178
7	Acute stress-mediated increases in extracellular glutamate levels in the rat amygdala: differential effects of antidepressant treatment. <i>European Journal of Neuroscience</i> , 2007, 25, 3109-3114.	2.6	168
8	pH modulates the activity and synergism of the airway surface liquid antimicrobials $\beta$ -defensin-3 and LL-37. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18703-18708.	7.1	164
9	Corticosterone Impairs Insulin-Stimulated Translocation of GLUT4 in the Rat Hippocampus. <i>Neuroendocrinology</i> , 2007, 85, 71-80.	2.5	117
10	Intestinal CFTR expression alleviates meconium ileus in cystic fibrosis pigs. <i>Journal of Clinical Investigation</i> , 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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20571-20575.	7.1	101
12	ASIC2 Subunits Target Acid-Sensing Ion Channels to the Synapse via an Association with PSD-95. <i>Journal of Neuroscience</i> , 2009, 29, 8438-8446.	3.6	96
13	Immunocytochemical analysis of synaptic proteins provides new insights into diabetes-mediated plasticity in the rat hippocampus. <i>Neuroscience</i> , 2005, 136, 477-486.	2.3	94
14	Localization and behaviors in null mice suggest that ASIC1 and ASIC2 modulate responses to aversive stimuli. <i>Genes, Brain and Behavior</i> , 2014, 13, 179-194.	2.2	83
15	Antibacterial properties of the CFTR potentiator ivacaftor. <i>Journal of Cystic Fibrosis</i> , 2014, 13, 515-519.	0.7	83
16	Stimulation of cortical acetylcholine release by orexin A. <i>Neuroscience</i> , 2005, 130, 541-547.	2.3	78
17	Activation of orexin neurons by acute nicotine. <i>European Journal of Pharmacology</i> , 2006, 535, 172-176.	3.5	78
18	Identification of antiviral antihistamines for COVID-19 repurposing. <i>Biochemical and Biophysical Research Communications</i> , 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. <i>Acta Physiologica</i> , 2019, 226, e13256.	3.8	69
20	Lentivirus-mediated downregulation of hypothalamic insulin receptor expression. <i>Physiology and Behavior</i> , 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. <i>Clinical Science</i> , 2015, 128, 131-142.	4.3	64
22	Tianeptine increases brain-derived neurotrophic factor expression in the rat amygdala. <i>European Journal of Pharmacology</i> , 2007, 565, 68-75.	3.5	62
23	Sinus hypoplasia precedes sinus infection in a porcine model of cystic fibrosis. <i>Laryngoscope</i> , 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. <i>Journal of Comparative Neurology</i> , 2008, 508, 458-472.	1.6	59
25	Cystic Fibrosis Transmembrane Conductance Regulator in Sarcoplasmic Reticulum of Airway Smooth Muscle. Implications for Airway Contractility. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 417-426.	5.6	58
26	CFTR-deficient pigs display peripheral nervous system defects at birth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3083-3088.	7.1	44
27	Strategies for measuring airway mucus and mucins. <i>Respiratory Research</i> , 2019, 20, 261.	3.6	41
28	The antidepressant agomelatine inhibits stress-mediated changes in amino acid efflux in the rat hippocampus and amygdala. <i>Brain Research</i> , 2012, 1466, 91-98.	2.2	40
29	Neuropeptides in asthma, chronic obstructive pulmonary disease and cystic fibrosis. <i>Respiratory Research</i> , 2018, 19, 149.	3.6	39
30	Effects of acute and repeated restraint stress on gaba efflux in the rat basolateral and central amygdala. <i>Brain Research</i> , 2009, 1256, 61-68.	2.2	38
31	Immunohistochemical Detection of Markers for Translational Studies of Lung Disease in Pigs and Humans. <i>Toxicologic Pathology</i> , 2016, 44, 434-441.	1.8	34
32	Cystic Fibrosis and the Nervous System. <i>Chest</i> , 2017, 151, 1147-1155.	0.8	32
33	Motile cilia of human airway epithelia contain hedgehog signaling components that mediate noncanonical hedgehog signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1370-1375.	7.1	31
34	Comparison of Isoflurane, Ketamine, Dexmedetomidine, and Ketamine-Xylazine for General Anesthesia during Oral Procedures in Rice Rats ( <i>Oryzomys palustris</i> ). <i>Journal of the American Association for Laboratory Animal Science</i> , 2019, 58, 40-49.	1.2	23
35	Acid-Sensing Ion Channel 1a Contributes to Airway Hyperreactivity in Mice. <i>PLoS ONE</i> , 2016, 11, e0166089.	2.5	21
36	Glycogen depletion can increase the specificity of mucin detection in airway tissues. <i>BMC Research Notes</i> , 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. <i>Experimental Neurology</i> , 2013, 241, 184-193.	4.1	16
38	Simple and reproducible approaches for the collection of select porcine ganglia. <i>Journal of Neuroscience Methods</i> , 2017, 289, 93-98.	2.5	14
39	Influence of SARS-CoV-2 on airway mucus production: A review and proposed model. <i>Veterinary Pathology</i> , 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. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L131-L143.	2.9	13
41	Solitary Cholinergic Stimulation Induces Airway Hyperreactivity and Transcription of Distinct Pro-inflammatory Pathways. <i>Lung</i> , 2018, 196, 219-229.	3.3	11
42	Expression and Activity of Acid-Sensing Ion Channels in the Mouse Anterior Pituitary. <i>PLoS ONE</i> , 2014, 9, e115310.	2.5	11
43	Caffeine elicits c-Fos expression in horizontal diagonal band cholinergic neurons. <i>NeuroReport</i> , 2009, 20, 1609-1612.	1.2	10
44	The vagal ganglia transcriptome identifies candidate therapeutics for airway hyperreactivity. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L133-L148.	2.9	10
45	Attenuated Amiloride-Sensitive Current and Augmented Calcium-Activated Chloride Current in Marsh Rice Rat ( <i>Oryzomys palustris</i> ) Airways. <i>IScience</i> , 2019, 19, 737-748.	4.1	9
46	Early Lung Disease Exhibits Bacteria-Dependent and -Independent Abnormalities in Cystic Fibrosis Pigs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 692-702.	5.6	8
47	Overexpression of Substance P in pig airways increases MUC5AC through an NF- $\kappa$ B pathway. <i>Physiological Reports</i> , 2021, 9, e14749.	1.7	6
48	Acid exposure disrupts mucus secretion and impairs mucociliary transport in neonatal piglet airways. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 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. <i>Experimental Physiology</i> , 2020, 105, 1673-1683.	2.0	2
50	The Underlying Mechanism of Modulation of Transient Receptor Potential Melastatin 3 by protons. <i>Frontiers in Pharmacology</i> , 2021, 12, 632711.	3.5	1
51	From apples to airways “ why gravity matters. <i>Experimental Physiology</i> , 2022, 107, 745-746.	2.0	1
52	Identification of cholinergic cells with chemosensory traits in the porcine uterus. <i>Cell and Tissue Research</i> , 2022, 388, 33-47.	2.9	1
53	Interest in and Awareness of French President Emmanuel Macron’s “Make our Planet Great Again” Initiative. <i>Social Sciences</i> , 2018, 7, 102.	1.4	0
54	Long-term culturing of porcine nodose ganglia. <i>Journal of Neuroscience Methods</i> , 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