Araya Ruangkittisakul

List of Publications by Year
in descending order

37	1,326	393982	433756
papers	citations	19 h-index	31 g-index

37	37	37	1558
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Expiratory abdominal muscle nerve is active at flexor phase, while inspiratory phrenic nerve is not active during locomotion evoked by 5-HT and NMDA in the neonatal rat. Neuroscience Research, 2021, 174, 9-9.	1.0	1
2	Suction electrode recording in locus coeruleus of newborn rat brain slices reveals network bursting comprising summated non-synchronous spiking. Neuroscience Letters, 2018, 671, 103-107.	1.0	9
3	Genetically Encoded Glutamate Indicators with Altered Color and Topology. ACS Chemical Biology, 2018, 13, 1832-1837.	1.6	67
4	TMX1 determines cancer cell metabolism as a thiol-based modulator of ERâ€“mitochondria Ca2+ flux. Journal of Cell Biology, 2016, 214, 433-444.	2.3	113
5	A Bright and Fast Red Fluorescent Protein Voltage Indicator That Reports Neuronal Activity in Organotypic Brain Slices. Journal of Neuroscience, 2016, 36, 2458-2472.	1.7	137
6	Methylxanthine-evoked perturbation of spontaneous and evoked activities in isolated newborn rat hippocampal networks. Neuroscience, 2015, 301, 106-120.	1.1	11
7	Identification of the pre-BÃ¶tzinger complex inspiratory center in calibrated â€œsandwichâ€•slices from newborn mice with fluorescent Dbx1 interneurons. Physiological Reports, 2014, 2, e12111.	0.7	54
8	Microfluidic cell sorter-aided directed evolution of a protein-based calcium ion indicator with an inverted fluorescent response. Integrative Biology (United Kingdom), 2014, 6, 714-725.	0.6	36
9	A long Stokes shift red fluorescent Ca2+ indicator protein for two-photon and ratiometric imaging. Nature Communications, 2014, 5, 5262.	5.8	75
10	Activity and metabolism-related Ca2+ and mitochondrial dynamics in co-cultured human fetal cortical neurons and astrocytes. Neuroscience, 2013, 250, 520-535.	1.1	25
11	Nerve growth factor acts through the TrkA receptor to protect sensory neurons from the damaging effects of the HIV-1 viral protein, Vpr. Neuroscience, 2013, 252, 512-525.	1.1	22
12	Methylxanthines do not affect rhythmogenic preBÃ¶tC inspiratory network activity but impair bursting of preBÃ¶tC-driven motoneurons. Neuroscience, 2013, 255, 158-176.	1.1	14
13	Amyloid Î² (AÎ²) Peptide Directly Activates Amylin-3 Receptor Subtype by Triggering Multiple Intracellular Signaling Pathways. Journal of Biological Chemistry, 2012, 287, 18820-18830.	1.6	80
14	Spontaneous Neural Network Oscillations in Hippocampus, Cortex, and Locus Coeruleus of Newborn Rat and Piglet Brain Slices. Neuromethods, 2012, , 315-356.	0.2	15
15	Anatomically â€œCalibratedâ€•Isolated Respiratory Networks from Newborn Rodents. Neuromethods, 2012, , 61-124.	0.2	18
16	Anoxia Response in Physiological Potassium of the Isolated Inspiratory Center in Calibrated Newborn Rat Brainstem Slices. Advances in Experimental Medicine and Biology, 2012, 758, 91-98.	0.8	3
17	Persistence of inspiratory rhythm in calibrated newborn rat preâ€BÃ¶tzinger complex slices upon blockade of storeâ€mediated calcium signaling. FASEB Journal, 2012, 26, 895.2.	0.2	0
18	K+ and Ca2+ dependence of inspiratory-related rhythm in novel â€œcalibratedâ€•mouse brainstem slices. Respiratory Physiology and Neurobiology, 2011, 175, 37-48.	0.7	56

#	Article	IF	Citations
19	Methylxanthineâ€evoked seizureâ€like perturbation of isolated newborn rat hippocampal and cortical networks. FASEB Journal, 2011, 25, lb522.	0.2	0
20	Methylxanthine reversal of opioid-evoked inspiratory depression via phosphodiesterase-4 blockade. Respiratory Physiology and Neurobiology, 2010, 172, 94-105.	0.7	22
21	Glia Contribute to the Purinergic Modulation of Inspiratory Rhythm-Generating Networks. Journal of Neuroscience, 2010, 30, 3947-3958.	1.7	92
22	Control of Breathing by â€œNerve Glueâ€• Science Signaling, 2010, 3, pe41.	1.6	13
23	Caffeine Reversal of Opioid-Evoked and Endogenous Inspiratory Depression in Perinatal Rat En Bloc Medullas and Slices. Advances in Experimental Medicine and Biology, 2010, 669, 123-127.	0.8	6
24	Indirect Opioid Actions on Inspiratory pre-BÃ¶tzinger Complex Neurons in Newborn Rat Brainstem Slices. Advances in Experimental Medicine and Biology, 2010, 669, 75-79.	0.8	12
25	Depression by Ca2+ and Stimulation by K+ of Fictive Inspiratory Rhythm in Newborn Rat Brainstem Slices. Advances in Experimental Medicine and Biology, 2010, 669, 91-95.	0.8	3
26	Multiphoton/Confocal Ca2+-Imaging of Inspiratory pre-BÃ¶tzinger Complex Neurons at the Rostral or Caudal Surface of Newborn Rat Brainstem Slices. Advances in Experimental Medicine and Biology, 2010, 669, 81-85.	0.8	1
27	Multiphoton calcium imaging of methylxanthineâ€reversal of opioid depression of inspiratoryâ€related preâ€BÃ¶tzinger complex rhythm in newborn rat brainstem slices. FASEB Journal, 2010, 24, 614.5.	0.2	0
28	Disturbed inspiratory rhythm in rat brainstem slices by seizureâ€like bursting due to theophyllineâ€evoked GABA A receptor block. FASEB Journal, 2010, 24, .	0.2	0
29	Fluorescence imaging of active respiratory networks. Respiratory Physiology and Neurobiology, 2009, 168, 26-38.	0.7	23
30	Structureâ€“function analysis of rhythmogenic inspiratory pre-BÃ¶tzinger complex networks in â€œcalibratedâ€•newborn rat brainstem slices. Respiratory Physiology and Neurobiology, 2009, 168, 158-178.	0.7	39
31	Opioids prolong and anoxia shortens delay between onset of preinspiratory (pFRG) and inspiratory (preBÃ¶tC) network bursting in newborn rat brainstems. Pflugers Archiv European Journal of Physiology, 2009, 458, 571-587.	1.3	50
32	Silencing by raised extracellular Ca2+ of pre-BÃ¶tzinger complex neurons in newborn rat brainstem slices without change of membrane potential or input resistance. Neuroscience Letters, 2009, 456, 25-29.	1.0	20
33	Glial contribution to the modulation of preBÃ¶tzinger Complex rhythm generating networks by ATP. FASEB Journal, 2009, 23, .	0.2	0
34	Generation of Eupnea and Sighs by a Spatiochemically Organized Inspiratory Network. Journal of Neuroscience, 2008, 28, 2447-2458.	1.7	107
35	Dependence on extracellular Ca²⁺/K⁺ antagonism of inspiratory centre rhythms in slices and en bloc preparations of newborn rat brainstem. Journal of Physiology, 2007, 584, 489-508.	1.3	41
36	Reversal by phosphodiesterase-4 blockers of in vitro apnea in the isolated brainstem-spinal cord preparation from newborn rats. Neuroscience Letters, 2006, 401, 194-198.	1.0	21

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37	High Sensitivity to Neuromodulator-Activated Signaling Pathways at Physiological [K+] of Confocally Imaged Respiratory Center Neurons in On-Line-Calibrated Newborn Rat Brainstem Slices. Journal of Neuroscience, 2006, 26, 11870-11880.	1.7	140