Jun Ren

List of Publications by Year
in descending order

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45 papers	2,572 citations	201575 27 h-index	233338 45 g-index
45 all docs	45 docs citations	45 times ranked	2689 citing authors

#	Article	IF	Citations
1	Loss of MeCP2 in aminergic neurons causes cell-autonomous defects in neurotransmitter synthesis and specific behavioral abnormalities. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21966-21971.	3.3	240
2	A partial loss of function allele of Methyl-CpG-binding protein 2 predicts a human neurodevelopmental syndrome. Human Molecular Genetics, 2008, 17, 1718-1727.	1.4	173
3	PreBÃ¶tzinger Complex Neurokinin-1 Receptor-Expressing Neurons Mediate Opioid-Induced Respiratory Depression. Journal of Neuroscience, 2011, 31, 1292-1301.	1.7	159
4	Math1 Is Essential for the Development of Hindbrain Neurons Critical for Perinatal Breathing. Neuron, 2009, 64, 341-354.	3.8	146
5	Ontogeny of Rhythmic Motor Patterns Generated in the Embryonic Rat Spinal Cord. Journal of Neurophysiology, 2003, 89, 1187-1195.	0.9	126
6	Absence ofNdn, Encoding the Prader-Willi Syndrome-Deleted Genenecdin, Results in Congenital Deficiency of Central Respiratory Drive in Neonatal Mice. Journal of Neuroscience, 2003, 23, 1569-1573.	1.7	121
7	IL-1Î² and IL-6 excite neurons and suppress nicotinic and noradrenergic neurotransmission in guinea pig enteric nervous system. Journal of Clinical Investigation, 1999, 103, 1309-1316.	3.9	116
8	Ontogeny of the Pre-BÃ¶tzinger Complex in Perinatal Rats. Journal of Neuroscience, 2003, 23, 9575-9584.	1.7	102
9	G-proteinâ€“gated Inwardly Rectifying Potassium Channels Modulate Respiratory Depression by Opioids. Anesthesiology, 2016, 124, 641-650.	1.3	102
10	Ampakine CX717 Protects against Fentanyl-induced Respiratory Depression and Lethal Apnea in Rats. Anesthesiology, 2009, 110, 1364-1370.	1.3	102
11	Ampakines Alleviate Respiratory Depression in Rats. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 1384-1391.	2.5	97
12	P2X7 receptors in the enteric nervous system of guinea-pig small intestine. Journal of Comparative Neurology, 2001, 440, 299-310.	0.9	90
13	Modulation of Respiratory Rhythmogenesis by Chloride-Mediated Conductances during the Perinatal Period. Journal of Neuroscience, 2006, 26, 3721-3730.	1.7	87
14	Developmental Abnormalities of Neuronal Structure and Function in Prenatal Mice Lacking the Prader-Willi Syndrome Gene Necdin. American Journal of Pathology, 2005, 167, 175-191.	1.9	86
15	Loss of Murine Na+/myo-Inositol Cotransporter Leads to Brain myo-Inositol Depletion and Central Apnea. Journal of Biological Chemistry, 2003, 278, 18297-18302.	1.6	80
16	Central Respiratory Rhythmogenesis Is Abnormal in Lbx1- Deficient Mice. Journal of Neuroscience, 2008, 28, 11030-11041.	1.7	70
17	Fluorescent Tagging of Rhythmically Active Respiratory Neurons within the Pre-Botzinger Complex of Rat Medullary Slice Preparations. Journal of Neuroscience, 2005, 25, 2591-2596.	1.7	46
18	Characterization of the null murine sodium/myo-inositol cotransporter 1 (Smit1 or Slc5a3) phenotype: Myo-inositol rescue is independent of expression of its cognate mitochondrial ribosomal protein subunit 6 (Mrps6) gene and of phosphatidylinositol levels in neonatal brain. Molecular Genetics and Metabolism, 2008, 95, 81-95.	0.5	43

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19	Anxiety-Related Mechanisms of Respiratory Dysfunction in a Mouse Model of Rett Syndrome. Journal of Neuroscience, 2012, 32, 17230-17240.	1.7	40
20	Muscle dysfunction caused by loss ofMagel2in a mouse model of Prader-Willi and Schaaf-Yang syndromes. Human Molecular Genetics, 2016, 25, 3798-3809.	1.4	38
21	5-HT1A Receptor Agonist Befiradol Reduces Fentanyl-induced Respiratory Depression, Analgesia, and Sedation in Rats. Anesthesiology, 2015, 122, 424-434.	1.3	37
22	Cocaine and lidocaine have additive inhibitory effects on the GABAA current of acutely dissociated hippocampal pyramidal neurons. Brain Research, 1999, 821, 26-32.	1.1	35
23	Rhythmic Neuronal Discharge in the Medulla and Spinal Cord of Fetal Rats in the Absence of Synaptic Transmission. Journal of Neurophysiology, 2006, 95, 527-534.	0.9	35
24	Glycine-activated chloride currents of neurons freshly isolated from the ventral tegmental area of rats. Brain Research, 1998, 796, 53-62.	1.1	34
25	Coadministration of the AMPAKINE CX717 with Propofol Reduces Respiratory Depression and Fatal Apneas. Anesthesiology, 2013, 118, 1437-1445.	1.3	34
26	Ampakines Enhance Weak Endogenous Respiratory Drive and Alleviate Apnea in Perinatal Rats. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 704-710.	2.5	34
27	Neurosteroid modulation of respiratory rhythm in rats during the perinatal period. Journal of Physiology, 2006, 574, 535-546.	1.3	29
28	Respiratory depression in rats induced by alcohol and barbiturate and rescue by ampakine CX717. Journal of Applied Physiology, 2012, 113, 1004-1011.	1.2	29
29	Functional group I metabotropic glutamate receptors in submucous plexus of guinea-pig ileum. British Journal of Pharmacology, 1999, 128, 1631-1635.	2.7	25
30	cAMP-dependent protein kinase modulation of glycine-activated chloride current in neurons freshly isolated from rat ventral tegmental area. Brain Research, 1998, 811, 71-78.	1.1	23
31	Actions of bradykinin on electrical and synaptic behavior of neurones in the myenteric plexus of guinea-pig small intestine. British Journal of Pharmacology, 2003, 138, 1221-1232.	2.7	23
32	Action of Bradykinin in the Submucosal Plexus of Guinea Pig Small Intestine. Journal of Pharmacology and Experimental Therapeutics, 2004, 309, 320-327.	1.3	21
33	Metabotropic Signal Transduction for Bradykinin in Submucosal Neurons of Guinea Pig Small Intestine. Journal of Pharmacology and Experimental Therapeutics, 2004, 309, 310-319.	1.3	21
34	Antidepressant-Like Effects of CX717, a Positive Allosteric Modulator of AMPA Receptors. Molecular Neurobiology, 2020, 57, 3498-3507.	1.9	21
35	Activating Î±4Î²2 Nicotinic Acetylcholine Receptors Alleviates Fentanyl-induced Respiratory Depression in Rats. Anesthesiology, 2019, 130, 1017-1031.	1.3	19
36	Chemical coding and electrophysiology of enteric neurons expressing neurofilament 145 in guinea pig gastrointestinal tract. Journal of Comparative Neurology, 2002, 442, 189-203.	0.9	17

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37	Cocaine decreases the glycine-induced Clâ˜ current of acutely dissociated rat hippocampal neurons. European Journal of Pharmacology, 1999, 367, 125-130.	1.7	15
38	Glial TLR4 signaling does not contribute to opioid-induced depression of respiration. Journal of Applied Physiology, 2014, 117, 857-868.	1.2	12
39	Brain-derived neurotrophic factor release with neuronal activity in fetal rats. NeuroReport, 2005, 16, 141-143.	0.6	10
40	Countering Opioid-induced Respiratory Depression in Male Rats with Nicotinic Acetylcholine Receptor Partial Agonists Varenicline and ABT 594. Anesthesiology, 2020, 132, 1197-1211.	1.3	10
41	Modulation of Perinatal Respiratory Rhythm by GABAA- and Glycine Receptor-mediated Chloride Conductances. Advances in Experimental Medicine and Biology, 2008, 605, 149-153.	0.8	8
42	Neurodevelopmental Abnormalities in the Brainstem of Prenatal Mice Lacking the Prader-Willi Syndrome Gene Necdin. Advances in Experimental Medicine and Biology, 2008, 605, 139-143.	0.8	7
43	Mechanistic Studies of Capsaicin-induced Apnea in Rodents. American Journal of Respiratory Cell and Molecular Biology, 2016, 56, 252-260.	1.4	5
44	Evidence that Prostaglandin E₂ Can Block Calciumâ€Activated ⁸⁶Rb Efflux from Rat Brain Synaptosomes via a Protein Kinase Câ€Dependent Mechanism. Journal of Neurochemistry, 1994, 62, 1840-1846.	2.1	3
45	Cardiorespiratory pathogenesis of sickle cell disease in a mouse model. Scientific Reports, 2017, 7, 8665.	1.6	1