

Jun Ren

List of Publications by Year in descending order

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45
papers

2,572
citations

201674

27
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233421

45
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all docs

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docs citations

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times ranked

2689
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Antidepressant-Like Effects of CX717, a Positive Allosteric Modulator of AMPA Receptors. <i>Molecular Neurobiology</i> , 2020, 57, 3498-3507. | 4.0 | 21 |
| 2 | Countering Opioid-induced Respiratory Depression in Male Rats with Nicotinic Acetylcholine Receptor Partial Agonists Varenicline and ABT 594. <i>Anesthesiology</i> , 2020, 132, 1197-1211. | 2.5 | 10 |
| 3 | Activating $\alpha 4\beta 2$ Nicotinic Acetylcholine Receptors Alleviates Fentanyl-induced Respiratory Depression in Rats. <i>Anesthesiology</i> , 2019, 130, 1017-1031. | 2.5 | 19 |
| 4 | Cardiorespiratory pathogenesis of sickle cell disease in a mouse model. <i>Scientific Reports</i> , 2017, 7, 8665. | 3.3 | 1 |
| 5 | G-protein-gated Inwardly Rectifying Potassium Channels Modulate Respiratory Depression by Opioids. <i>Anesthesiology</i> , 2016, 124, 641-650. | 2.5 | 102 |
| 6 | Muscle dysfunction caused by loss of <i>Magel2</i> in a mouse model of Prader-Willi and Schaaf-Yang syndromes. <i>Human Molecular Genetics</i> , 2016, 25, 3798-3809. | 2.9 | 38 |
| 7 | Mechanistic Studies of Capsaicin-induced Apnea in Rodents. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 56, 252-260. | 2.9 | 5 |
| 8 | 5-HT _{1A} Receptor Agonist Befiradol Reduces Fentanyl-induced Respiratory Depression, Analgesia, and Sedation in Rats. <i>Anesthesiology</i> , 2015, 122, 424-434. | 2.5 | 37 |
| 9 | Ampakines Enhance Weak Endogenous Respiratory Drive and Alleviate Apnea in Perinatal Rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 191, 704-710. | 5.6 | 34 |
| 10 | Glial TLR4 signaling does not contribute to opioid-induced depression of respiration. <i>Journal of Applied Physiology</i> , 2014, 117, 857-868. | 2.5 | 12 |
| 11 | Coadministration of the AMPAKINE CX717 with Propofol Reduces Respiratory Depression and Fatal Apneas. <i>Anesthesiology</i> , 2013, 118, 1437-1445. | 2.5 | 34 |
| 12 | Anxiety-Related Mechanisms of Respiratory Dysfunction in a Mouse Model of Rett Syndrome. <i>Journal of Neuroscience</i> , 2012, 32, 17230-17240. | 3.6 | 40 |
| 13 | Respiratory depression in rats induced by alcohol and barbiturate and rescue by ampakine CX717. <i>Journal of Applied Physiology</i> , 2012, 113, 1004-1011. | 2.5 | 29 |
| 14 | Pre-Bötzing Complex Neurokinin-1 Receptor-Expressing Neurons Mediate Opioid-Induced Respiratory Depression. <i>Journal of Neuroscience</i> , 2011, 31, 1292-1301. | 3.6 | 159 |
| 15 | Math1 Is Essential for the Development of Hindbrain Neurons Critical for Perinatal Breathing. <i>Neuron</i> , 2009, 64, 341-354. | 8.1 | 146 |
| 16 | Loss of MeCP2 in aminergic neurons causes cell-autonomous defects in neurotransmitter synthesis and specific behavioral abnormalities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21966-21971. | 7.1 | 240 |
| 17 | Ampakine CX717 Protects against Fentanyl-induced Respiratory Depression and Lethal Apnea in Rats. <i>Anesthesiology</i> , 2009, 110, 1364-1370. | 2.5 | 102 |
| 18 | Neurodevelopmental Abnormalities in the Brainstem of Prenatal Mice Lacking the Prader-Willi Syndrome Gene <i>Necdin</i> . <i>Advances in Experimental Medicine and Biology</i> , 2008, 605, 139-143. | 1.6 | 7 |

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|----|---|-----|-----------|
| 19 | Modulation of Perinatal Respiratory Rhythm by GABAA- and Glycine Receptor-mediated Chloride Conductances. <i>Advances in Experimental Medicine and Biology</i> , 2008, 605, 149-153. | 1.6 | 8 |
| 20 | 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. <i>Molecular Genetics and Metabolism</i> , 2008, 95, 81-95. | 1.1 | 43 |
| 21 | A partial loss of function allele of Methyl-CpG-binding protein 2 predicts a human neurodevelopmental syndrome. <i>Human Molecular Genetics</i> , 2008, 17, 1718-1727. | 2.9 | 173 |
| 22 | Central Respiratory Rhythmogenesis Is Abnormal in Lbx1- Deficient Mice. <i>Journal of Neuroscience</i> , 2008, 28, 11030-11041. | 3.6 | 70 |
| 23 | Rhythmic Neuronal Discharge in the Medulla and Spinal Cord of Fetal Rats in the Absence of Synaptic Transmission. <i>Journal of Neurophysiology</i> , 2006, 95, 527-534. | 1.8 | 35 |
| 24 | Neurosteroid modulation of respiratory rhythm in rats during the perinatal period. <i>Journal of Physiology</i> , 2006, 574, 535-546. | 2.9 | 29 |
| 25 | Ampakines Alleviate Respiratory Depression in Rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 174, 1384-1391. | 5.6 | 97 |
| 26 | Modulation of Respiratory Rhythmogenesis by Chloride-Mediated Conductances during the Perinatal Period. <i>Journal of Neuroscience</i> , 2006, 26, 3721-3730. | 3.6 | 87 |
| 27 | Brain-derived neurotrophic factor release with neuronal activity in fetal rats. <i>NeuroReport</i> , 2005, 16, 141-143. | 1.2 | 10 |
| 28 | Fluorescent Tagging of Rhythmically Active Respiratory Neurons within the Pre-Botzinger Complex of Rat Medullary Slice Preparations. <i>Journal of Neuroscience</i> , 2005, 25, 2591-2596. | 3.6 | 46 |
| 29 | Developmental Abnormalities of Neuronal Structure and Function in Prenatal Mice Lacking the Prader-Willi Syndrome Gene Necdin. <i>American Journal of Pathology</i> , 2005, 167, 175-191. | 3.8 | 86 |
| 30 | Action of Bradykinin in the Submucosal Plexus of Guinea Pig Small Intestine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 309, 320-327. | 2.5 | 21 |
| 31 | Metabotropic Signal Transduction for Bradykinin in Submucosal Neurons of Guinea Pig Small Intestine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 309, 310-319. | 2.5 | 21 |
| 32 | Actions of bradykinin on electrical and synaptic behavior of neurones in the myenteric plexus of guinea-pig small intestine. <i>British Journal of Pharmacology</i> , 2003, 138, 1221-1232. | 5.4 | 23 |
| 33 | Loss of Murine Na ⁺ /myo-Inositol Cotransporter Leads to Brain myo-Inositol Depletion and Central Apnea. <i>Journal of Biological Chemistry</i> , 2003, 278, 18297-18302. | 3.4 | 80 |
| 34 | Ontogeny of the Pre-Botzinger Complex in Perinatal Rats. <i>Journal of Neuroscience</i> , 2003, 23, 9575-9584. | 3.6 | 102 |
| 35 | Absence of Ndn, Encoding the Prader-Willi Syndrome-Deleted Gene Necdin, Results in Congenital Deficiency of Central Respiratory Drive in Neonatal Mice. <i>Journal of Neuroscience</i> , 2003, 23, 1569-1573. | 3.6 | 121 |
| 36 | Ontogeny of Rhythmic Motor Patterns Generated in the Embryonic Rat Spinal Cord. <i>Journal of Neurophysiology</i> , 2003, 89, 1187-1195. | 1.8 | 126 |

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|----|---|-----|-----------|
| 37 | Chemical coding and electrophysiology of enteric neurons expressing neurofilament 145 in guinea pig gastrointestinal tract. <i>Journal of Comparative Neurology</i> , 2002, 442, 189-203. | 1.6 | 17 |
| 38 | P2X7 receptors in the enteric nervous system of guinea-pig small intestine. <i>Journal of Comparative Neurology</i> , 2001, 440, 299-310. | 1.6 | 90 |
| 39 | Functional group I metabotropic glutamate receptors in submucous plexus of guinea-pig ileum. <i>British Journal of Pharmacology</i> , 1999, 128, 1631-1635. | 5.4 | 25 |
| 40 | Cocaine and lidocaine have additive inhibitory effects on the GABAA current of acutely dissociated hippocampal pyramidal neurons. <i>Brain Research</i> , 1999, 821, 26-32. | 2.2 | 35 |
| 41 | Cocaine decreases the glycine-induced Cl^{-} current of acutely dissociated rat hippocampal neurons. <i>European Journal of Pharmacology</i> , 1999, 367, 125-130. | 3.5 | 15 |
| 42 | IL-1 β and IL-6 excite neurons and suppress nicotinic and noradrenergic neurotransmission in guinea pig enteric nervous system. <i>Journal of Clinical Investigation</i> , 1999, 103, 1309-1316. | 8.2 | 116 |
| 43 | Glycine-activated chloride currents of neurons freshly isolated from the ventral tegmental area of rats. <i>Brain Research</i> , 1998, 796, 53-62. | 2.2 | 34 |
| 44 | cAMP-dependent protein kinase modulation of glycine-activated chloride current in neurons freshly isolated from rat ventral tegmental area. <i>Brain Research</i> , 1998, 811, 71-78. | 2.2 | 23 |
| 45 | Evidence that Prostaglandin E ₂ Can Block Calcium-Activated Ca^{2+} Efflux from Rat Brain Synaptosomes via a Protein Kinase C-Dependent Mechanism. <i>Journal of Neurochemistry</i> , 1994, 62, 1840-1846. | 3.9 | 3 |