

# Irawan Satriotomo

## List of Publications by Year in descending order

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46  
papers

2,062  
citations

257450

24  
h-index

243625

44  
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47  
all docs

47  
docs citations

47  
times ranked

2194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thiazolidinedione Class of Peroxisome Proliferator-Activated Receptor $\beta$ Agonists Prevents Neuronal Damage, Motor Dysfunction, Myelin Loss, Neuropathic Pain, and Inflammation after Spinal Cord Injury in Adult Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 1002-1012.	2.5	216
2	JAK2 and STAT3 activation contributes to neuronal damage following transient focal cerebral ischemia. <i>Journal of Neurochemistry</i> , 2006, 98, 1353-1368.	3.9	201
3	Peroxisome proliferator-activated receptor- $\beta$ agonists induce neuroprotection following transient focal ischemia in normotensive, normoglycemic as well as hypertensive and type-2 diabetic rodents. <i>Journal of Neurochemistry</i> , 2006, 101, 41-56.	3.9	190
4	Repetitive Intermittent Hypoxia Induces Respiratory and Somatic Motor Recovery after Chronic Cervical Spinal Injury. <i>Journal of Neuroscience</i> , 2012, 32, 3591-3600.	3.6	162
5	Spinal Adenosine A2a Receptor Activation Elicits Long-Lasting Phrenic Motor Facilitation. <i>Journal of Neuroscience</i> , 2008, 28, 2033-2042.	3.6	136
6	Intermittent Hypoxia and Stem Cell Implants Preserve Breathing Capacity in a Rodent Model of Amyotrophic Lateral Sclerosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 535-542.	5.6	89
7	Spinal plasticity following intermittent hypoxia: implications for spinal injury. <i>Annals of the New York Academy of Sciences</i> , 2010, 1198, 252-259.	3.8	85
8	NADPH oxidase activity is necessary for acute intermittent hypoxia-induced phrenic long-term facilitation. <i>Journal of Physiology</i> , 2009, 587, 1931-1942.	2.9	64
9	Repetitive acute intermittent hypoxia increases expression of proteins associated with plasticity in the phrenic motor nucleus. <i>Experimental Neurology</i> , 2012, 237, 103-115.	4.1	59
10	Substance P is a promoter of adult neural progenitor cell proliferation under normal and ischemic conditions. <i>Journal of Neurosurgery</i> , 2007, 107, 593-599.	1.6	55
11	Early maternal deprivation induces alterations in brain-derived neurotrophic factor expression in the developing rat hippocampus. <i>Neuroscience Letters</i> , 2004, 372, 68-73.	2.1	53
12	Spinal Vascular Endothelial Growth Factor Induces Phrenic Motor Facilitation via Extracellular Signal-Regulated Kinase and Akt Signaling. <i>Journal of Neuroscience</i> , 2011, 31, 7682-7690.	3.6	52
13	Okadaic Acid-Sensitive Protein Phosphatases Constrain Phrenic Long-Term Facilitation after Sustained Hypoxia. <i>Journal of Neuroscience</i> , 2008, 28, 2949-2958.	3.6	51
14	Ventilatory control in ALS. <i>Respiratory Physiology and Neurobiology</i> , 2013, 189, 429-437.	1.6	50
15	Cervical Spinal Erythropoietin Induces Phrenic Motor Facilitation via Extracellular Signal-Regulated Protein Kinase and Akt Signaling. <i>Journal of Neuroscience</i> , 2012, 32, 5973-5983.	3.6	48
16	Repetitive acute intermittent hypoxia increases growth/neurotrophic factor expression in non-respiratory motor neurons. <i>Neuroscience</i> , 2016, 322, 479-488.	2.3	48
17	B1 and TRPV-1 Receptor Genes and Their Relationship to Hyperalgesia Following Spinal Cord Injury. <i>Spine</i> , 2006, 31, 2778-2782.	2.0	46
18	Application of the physical disector to the central nervous system: Estimation of the total number of neurons in subdivisions of the rat hippocampus. <i>Kaibogaku Zasshi Journal of Anatomy</i> , 2005, 80, 153-162.	1.2	39

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19	Serotonin-induced in vitro long-term facilitation exhibits differential pattern sensitivity in cervical and thoracic inspiratory motor output. <i>Neuroscience</i> , 2006, 142, 885-892.	2.3	38
20	Acute intermittent hypoxia induced phrenic long-term facilitation despite increased SOD1 expression in a rat model of ALS. <i>Experimental Neurology</i> , 2015, 273, 138-150.	4.1	34
21	Embryological consideration of drainage of the left testicular vein into the ipsilateral renal vein: analysis of cases of a double inferior vena cava. <i>Journal of Developmental and Physical Disabilities</i> , 2001, 24, 142-152.	3.6	31
22	Short-term ethanol exposure alters calbindin D28k and glial fibrillary acidic protein immunoreactivity in hippocampus of mice. <i>Brain Research</i> , 2000, 879, 55-64.	2.2	29
23	Considerations for the Optimization of Induced White Matter Injury Preclinical Models. <i>Frontiers in Neurology</i> , 2015, 6, 172.	2.4	29
24	Oligodendrocyte myelin glycoprotein (OMgp) in rat hippocampus is depleted by chronic ethanol consumption. <i>Neuroscience Letters</i> , 2006, 406, 76-80.	2.1	25
25	The effect of the timing of prenatal X-irradiation on Purkinje cell numbers in rat cerebellum. <i>Developmental Brain Research</i> , 2002, 139, 159-166.	1.7	23
26	Role of vasopressin and its antagonism in stroke related edema. <i>Journal of Neuroscience Research</i> , 2014, 92, 1091-1099.	2.9	23
27	Mechanisms of Enhanced Phrenic Long-Term Facilitation in <i>SOD1<sup>G93A</sup></i> Rats. <i>Journal of Neuroscience</i> , 2017, 37, 5834-5845.	3.6	21
28	Topographical uptake of blood-borne horseradish peroxidase (HRP) in the murine testis at the light microscopic level. <i>Journal of Developmental and Physical Disabilities</i> , 2002, 21, 74-80.	3.6	20
29	Compensatory plasticity in diaphragm and intercostal muscle utilization in a rat model of ALS. <i>Experimental Neurology</i> , 2018, 299, 148-156.	4.1	19
30	Changes of parvalbumin immunoreactive neurons and GFAP immunoreactive astrocytes in the rat lateral geniculate nucleus following monocular enucleation. <i>Neuroscience Letters</i> , 2006, 395, 149-154.	2.1	18
31	Treatment of stroke related refractory brain edema using mixed vasopressin antagonism: a case report and review of the literature. <i>BMC Neurology</i> , 2014, 14, 213.	1.8	17
32	Neither serotonin nor adenosine-dependent mechanisms preserve ventilatory capacity in ALS rats. <i>Respiratory Physiology and Neurobiology</i> , 2014, 197, 19-28.	1.6	14
33	Effects of Monocular Enucleation on Calbindin-D 28k and c-Fos Expression in the Lateral Geniculate Nucleus in Rats. <i>Okajimas Folia Anatomica Japonica</i> , 2005, 82, 9-18.	1.2	13
34	Colocalization of taurine and glial fibrillary acidic protein immunoreactivity in mouse hippocampus induced by short-term ethanol exposure. <i>Brain Research</i> , 2003, 959, 160-164.	2.2	12
35	Effect of short-term ethanol exposure on the suprachiasmatic nucleus of hypothalamus: immunohistochemical study in mice. <i>Brain Research</i> , 1999, 847, 124-129.	2.2	11
36	Adenosine 2A receptor inhibition protects phrenic motor neurons from cell death induced by protein synthesis inhibition. <i>Experimental Neurology</i> , 2020, 323, 113067.	4.1	10

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37	Excessive testosterone treatment and castration induce reactive astrocytes and fos immunoreactivity in suprachiasmatic nucleus of mice. <i>Brain Research</i> , 2004, 1020, 130-139.	2.2	7
38	Prenatal X-irradiation increases GFAP- and calbindin D28k-immunoreactivity in the medial subdivision of the nucleus of solitary tract in the rat. <i>Journal of the Autonomic Nervous System</i> , 2000, 80, 8-13.	1.9	6
39	Parabrachial inputs to Fos-immunoreactive neurons in the lateral central nucleus of amygdala activated by hypotension: a light and electron microscopic study in the rat. <i>Brain Research Bulletin</i> , 2004, 64, 171-180.	3.0	5
40	Enhanced Phrenic Long-Term Facilitation (pLTF) Following Repetitive Acute Intermittent Hypoxia. <i>FASEB Journal</i> , 2010, 24, 799.14.	0.5	4
41	Optimization of a Clinically Relevant Model of White Matter Stroke in Mice: Histological and Functional Evidences. <i>Journal of Neurology and Neurosurgery</i> , 2015, 02, .	0.3	3
42	Phrenic, but not hypoglossal, motor output is diminished in a rat model of amyotrophic lateral sclerosis (ALS). <i>FASEB Journal</i> , 2006, 20, A1212.	0.5	3
43	Erythropoietin (EPO)-induced phrenic motor facilitation (PMF) requires ERK activation. <i>FASEB Journal</i> , 2010, 24, 799.8.	0.5	2
44	The Effects of Prenatal X-irradiation on Hypoglossal Nucleus: A GFAP Immunohistochemical Study. <i>Okajimas Folia Anatomica Japonica</i> , 2000, 77, 181-188.	1.2	1
45	Age-related changes in growth hormone-immunoreactive cells in the anterior pituitary gland of Jcl: Wistar-TgN (ARGHGEN) 1Nts rats (Mini rats). <i>Congenital Anomalies (discontinued)</i> , 2006, 46, 188-193.	0.6	0
46	Long-Term Delivery of a Low Dose Repetitive Intermittent Hypoxia is Not Associated with Detectable Pathology. <i>FASEB Journal</i> , 2018, 32, .	0.5	0