

Fumimasa Amaya

List of Publications by Year in descending order

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76
papers

4,436
citations

218662

26
h-index

102480

66
g-index

76
all docs

76
docs citations

76
times ranked

5320
citing authors

#	ARTICLE	IF	CITATIONS
1	Nociceptors Are Interleukin-1 β Sensors. <i>Journal of Neuroscience</i> , 2008, 28, 14062-14073.	3.6	533
2	Cannabinoids mediate analgesia largely via peripheral type 1 cannabinoid receptors in nociceptors. <i>Nature Neuroscience</i> , 2007, 10, 870-879.	14.8	504
3	Contributions of High Mobility Group Box Protein in Experimental and Clinical Acute Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 170, 1310-1316.	5.6	343
4	The Voltage-Gated Sodium Channel Nav1.9 Is an Effector of Peripheral Inflammatory Pain Hypersensitivity. <i>Journal of Neuroscience</i> , 2006, 26, 12852-12860.	3.6	265
5	Diversity of Expression of the Sensory Neuron-Specific TTX-Resistant Voltage-Gated Sodium Ion Channels SNS and SNS2. <i>Molecular and Cellular Neurosciences</i> , 2000, 15, 331-342.	2.2	264
6	NGF and GDNF differentially regulate TRPV1 expression that contributes to development of inflammatory thermal hyperalgesia. <i>European Journal of Neuroscience</i> , 2004, 20, 2303-2310.	2.6	218
7	Prostaglandin E ₂ Receptor EP4 Contributes to Inflammatory Pain Hypersensitivity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 1096-1103.	2.5	218
8	Local inflammation increases vanilloid receptor 1 expression within distinct subgroups of DRG neurons. <i>Brain Research</i> , 2003, 963, 190-196.	2.2	207
9	Roles of Oxidants and Redox Signaling in the Pathogenesis of Acute Respiratory Distress Syndrome. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 739-754.	5.4	139
10	Contribution of High-Mobility Group Box-1 to the Development of Ventilator-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 174, 400-407.	5.6	138
11	Bradykinin Produces Pain Hypersensitivity by Potentiating Spinal Cord Glutamatergic Synaptic Transmission. <i>Journal of Neuroscience</i> , 2005, 25, 7986-7992.	3.6	130
12	Induction of high mobility group box-1 in dorsal root ganglion contributes to pain hypersensitivity after peripheral nerve injury. <i>Pain</i> , 2010, 149, 514-521.	4.2	110
13	Induction of CB1 cannabinoid receptor by inflammation in primary afferent neurons facilitates antihyperalgesic effect of peripheral CB1 agonist. <i>Pain</i> , 2006, 124, 175-183.	4.2	101
14	Bradykinin Enhances AMPA and NMDA Receptor Activity in Spinal Cord Dorsal Horn Neurons by Activating Multiple Kinases to Produce Pain Hypersensitivity. <i>Journal of Neuroscience</i> , 2008, 28, 4533-4540.	3.6	99
15	Peripheral inflammation induces up-regulation of TRPV2 expression in rat DRG. <i>Pain</i> , 2005, 119, 225-232.	4.2	85
16	Functional Morphology of the Suprachiasmatic Nucleus. <i>Frontiers in Neuroendocrinology</i> , 1999, 20, 241-268.	5.2	72
17	Tissue Injury and Related Mediators of Pain Exacerbation. <i>Current Neuropharmacology</i> , 2013, 11, 592-597.	2.9	68
18	Acute lung inflammation and ventilator-induced lung injury caused by ATP via the P2Y receptors: an experimental study. <i>Respiratory Research</i> , 2008, 9, 79.	3.6	60

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19	Periganglionic inflammation elicits a distally radiating pain hypersensitivity by promoting COX-2 induction in the dorsal root ganglion. <i>Pain</i> , 2009, 142, 59-67.	4.2	59
20	Neutrophil elastase activity in acute lung injury and respiratory distress syndrome. <i>Respirology</i> , 2008, 13, 581-584.	2.3	54
21	Peripheral sensitization caused by insulin-like growth factor 1 contributes to pain hypersensitivity after tissue injury. <i>Pain</i> , 2011, 152, 888-895.	4.2	50
22	Nitroergic neurons in the medial amygdala project to the hypothalamic paraventricular nucleus of the rat. <i>Brain Research</i> , 1997, 777, 13-21.	2.2	48
23	NLRP2 inflammasome in dorsal root ganglion as a novel molecular platform that produces inflammatory pain hypersensitivity. <i>Pain</i> , 2019, 160, 2149-2160.	4.2	34
24	Classification of acute pain trajectory after breast cancer surgery identifies patients at risk for persistent pain: a prospective observational study. <i>Journal of Pain Research</i> , 2018, Volume 11, 2197-2206.	2.0	33
25	Cloning and Characterization of a Novel GRP78-binding Protein in the Rat Brain. <i>Journal of Biological Chemistry</i> , 2003, 278, 10531-10537.	3.4	31
26	A Comparative Analysis of the Molecular Features of MANF and CDNF. <i>PLoS ONE</i> , 2016, 11, e0146923.	2.5	29
27	Activation of p38 mitogen-activated protein kinase in the dorsal root ganglion contributes to pain hypersensitivity after plantar incision. <i>Neuroscience</i> , 2013, 234, 77-87.	2.3	27
28	Synergistic activation of ERK1/2 between A-fiber neurons and glial cells in the DRG contributes to pain hypersensitivity after tissue injury. <i>Molecular Pain</i> , 2018, 14, 174480691876750.	2.1	27
29	Prevalence of chronic postsurgical pain after thoracotomy and total knee arthroplasty: a retrospective multicenter study in Japan (Japanese Study Group of Subacute Postoperative Pain). <i>Journal of Anesthesia</i> , 2018, 32, 434-438.	1.7	27
30	Acquired Exchange Protein Directly Activated by Cyclic Adenosine Monophosphate Activity Induced by p38 Mitogen-activated Protein Kinase in Primary Afferent Neurons Contributes to Sustaining Postincisional Nociception. <i>Anesthesiology</i> , 2017, 126, 150-162.	2.5	25
31	NGFI-A gene expression induced in the rat suprachiasmatic nucleus by photic stimulation: spread into hypothalamic periventricular somatostatin neurons and GABA receptor involvement. <i>European Journal of Neuroscience</i> , 1999, 11, 3178-3184.	2.6	23
32	Nerve growth factor induces systemic hyperalgesia after thoracic burn injury in the rat. <i>Neuroscience Letters</i> , 2002, 328, 97-100.	2.1	23
33	Dysregulation of lung injury and repair in moesin-deficient mice treated with intratracheal bleomycin. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L566-L574.	2.9	23
34	Expression of neutral endopeptidase activity during clinical and experimental acute lung injury. <i>Respiratory Research</i> , 2010, 11, 164.	3.6	23
35	Ultrasound evidence of the optimal wrist position for radial artery cannulation. <i>Canadian Journal of Anaesthesia</i> , 2009, 56, 427-431.	1.6	22
36	Endoplasmic Reticulum Stress in the Dorsal Root Ganglion Contributes to the Development of Pain Hypersensitivity after Nerve Injury. <i>Neuroscience</i> , 2018, 394, 288-299.	2.3	22

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37	Fas Ligand Released by Activated Monocytes Causes Apoptosis of Lung Epithelial Cells in Human Acute Lung Injury Model in Vitro. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 386-390.	1.4	21
38	Hypothalamo-Pituitary-Adrenal Axis Sensitization after Chronic Salt Loading. <i>Neuroendocrinology</i> , 2001, 73, 185-193.	2.5	20
39	Induction of NGFI-A gene expression in the rat suprachiasmatic nucleus by photic stimulation. <i>Brain Research</i> , 1997, 756, 305-310.	2.2	18
40	Can Acute Pain Treatment Reduce Postsurgical Comorbidity after Breast Cancer Surgery? A Literature Review. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	17
41	Serotonin Modulates Expression of VIP and GRP mRNA via the 5-HT1B Receptor in the Suprachiasmatic Nucleus of the Rat. <i>Experimental Neurology</i> , 2001, 171, 285-292.	4.1	16
42	A sensitive assay for the biosynthesis and secretion of MANF using NanoLuc activity. <i>Biochemical and Biophysical Research Communications</i> , 2014, 449, 483-489.	2.1	16
43	Risk factors and prognosis of pain events during mechanical ventilation: a retrospective study. <i>Journal of Intensive Care</i> , 2017, 5, 17.	2.9	16
44	Dexmedetomidine prolongs levobupivacaine analgesia via inhibition of inflammation and p38 MAPK phosphorylation in rat dorsal root ganglion. <i>Neuroscience</i> , 2017, 361, 58-68.	2.3	15
45	Dysregulation of p53 and Parkin Induce Mitochondrial Dysfunction and Leads to the Diabetic Neuropathic Pain. <i>Neuroscience</i> , 2019, 416, 9-19.	2.3	14
46	Comparative Effects of Periarticular Multimodal Drug Injection and Single-Shot Femoral Nerve Block on Pain Following Total Knee Arthroplasty and Factors Influencing Their Effectiveness. <i>Knee Surgery and Related Research</i> , 2016, 28, 233-238.	4.2	14
47	Heart Rate Variability during Chemical Thoracic Sympathectomy. <i>Anesthesiology</i> , 1998, 89, 666-670..	2.5	13
48	Functional validation of ATF4 and GADD34 in Neuro2a cells by CRISPR/Cas9-mediated genome editing. <i>Molecular and Cellular Biochemistry</i> , 2018, 440, 65-75.	3.1	13
49	Postâ€urgical chronic pain and quality of life in children operated for congenital heart disease. <i>Acta Anaesthesiologica Scandinavica</i> , 2019, 63, 745-750.	1.6	13
50	Tumor necrosis factor-alpha induces expression of C/EBP-beta in primary afferent neurons following nerve injury. <i>Neuroscience</i> , 2014, 279, 1-9.	2.3	12
51	mTOR signaling controls VGLUT2 expression to maintain pain hypersensitivity after tissue injury. <i>Neuroscience</i> , 2015, 308, 169-179.	2.3	11
52	Milnacipran Inhibits Glutamatergic N-Methyl-D-Aspartate Receptor Activity in Spinal Dorsal Horn Neurons. <i>Molecular Pain</i> , 2012, 8, 1744-8069-8-45.	2.1	10
53	Factors associated with chronic pain following breast reconstruction in Japanese women. <i>Journal of Plastic Surgery and Hand Surgery</i> , 2020, 54, 317-322.	0.8	9
54	Preoperative anesthesia clinic in Japan: a nationwide survey of the current practice of preoperative anesthesia assessment. <i>Journal of Anesthesia</i> , 2015, 29, 175-179.	1.7	8

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55	Cellular Stress Responses and Monitored Cellular Activities. Shock, 2016, 46, 113-121.	2.1	7
56	Application of NanoLuc to monitor the intrinsic promoter activity of GRP78 using the CRISPR/Cas9 system. Genes To Cells, 2016, 21, 1137-1143.	1.2	7
57	Application of NanoBiT for Monitoring Dimerization of the Null Hong Kong Variant of $\hat{1}\pm$ -1-Antitrypsin, NHK, in Living Cells. Molecular Biotechnology, 2018, 60, 539-549.	2.4	6
58	Spinal and Peripheral Mechanisms Individually Lead to the Development of Remifentanil-induced Hyperalgesia. Neuroscience, 2020, 446, 28-42.	2.3	5
59	Factors related to memory absence and delusional memories in patients in intensive care units managed with light sedation. Intensive and Critical Care Nursing, 2020, 59, 102830.	2.9	5
60	Five-day pain management regimen using patient-controlled analgesia facilitates early ambulation after cardiac surgery. Journal of Anesthesia, 2010, 24, 187-191.	1.7	4
61	Reduction of the rocuronium-induced withdrawal reflex by MR13A10A, a generic rocuronium with a novel solution: A randomized, controlled study. PLoS ONE, 2019, 14, e0223947.	2.5	3
62	Difficult tracheal intubation and post-extubation airway stenosis in an 11-month-old patient with unrecognized subglottic stenosis: a case report. JA Clinical Reports, 2017, 3, 10.	0.7	2
63	Usefulness of bicarbonate Ringer's solution as perfusate during transurethral resection of the prostate. Contemporary Clinical Trials Communications, 2021, 21, 100744.	1.1	2
64	IGF1-driven induction of GPCR kinase 2 in the primary afferent neuron promotes resolution of acute hyperalgesia. Brain Research Bulletin, 2021, 177, 305-315.	3.0	2
65	Effective evaluation of arterial pulse waveform analysis by two-dimensional stroke volume variation \hat{c} stroke volume index plots. Journal of Clinical Monitoring and Computing, 2017, 31, 927-941.	1.6	1
66	A good beginning makes a good ending: association between acute pain trajectory and chronic postsurgical pain. Journal of Anesthesia, 2018, 32, 789-791.	1.7	1
67	Localization of Chronic Pain in Postmastectomy Patients. Annals of Plastic Surgery, 2022, 88, 490-495.	0.9	1
68	VIP-like Immunoreactive and Vasopressin-like Immunoreactive Neuronal Elements in the Suprachiasmatic Nucleus of Japanese Monkey (Macaca fuscata): Light and Electron Microscopic Immunocytochemical Study. Acta Histochemica Et Cytochemica, 2003, 36, 427-438.	1.6	0
69	Transient Paraplegia After Accidental Insertion of an Epidural Catheter Into an Arachnoid Cyst. Regional Anesthesia and Pain Medicine, 2011, 36, 524-525.	2.3	0
70	Pitfalls in Translational Research. The Journal of Japan Society for Clinical Anesthesia, 2016, 36, 681-685.	0.0	0
71	Immunotherapy for the management of cancer pain. Annals of Palliative Medicine, 2020, 9, 1358-1360.	1.2	0
72	Journal of anesthesia, history, current status, and future direction. Journal of Anesthesia, 2021, 35, 165-167.	1.7	0

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73	Role of D-serine in superficial dorsal horn neuron . Pain Research, 2011, 26, 19-28.	0.1	0
74	Regional Anesthesia and Cancer. The Journal of Japan Society for Clinical Anesthesia, 2020, 40, 39-43.	0.0	0
75	Application of extracorporeal membrane oxygenation in surgical management of thyroid cancer invading the trachea: A report of two cases. Journal of Japan Society for Head and Neck Surgery, 2020, 30, 93-98.	0.0	0
76	Sedation, analgesia and withdrawal syndrome in critical care settings. Journal of the Japanese Society of Intensive Care Medicine, 2022, 29, 269-270.	0.0	0