

Kentaro Ono

List of Publications by Year in descending order

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94
papers

1,662
citations

331259

21
h-index

360668

35
g-index

97
all docs

97
docs citations

97
times ranked

1714
citing authors

#	ARTICLE	IF	CITATIONS
1	Nax channel involved in CNS sodium-level sensing. <i>Nature Neuroscience</i> , 2002, 5, 511-512.	7.1	161
2	Gender difference in unstimulated whole saliva flow rate and salivary gland sizes. <i>Archives of Oral Biology</i> , 2006, 51, 1055-1060.	0.8	137
3	Anti-cancer and analgesic effects of resolvin D2 in oral squamous cell carcinoma. <i>Neuropharmacology</i> , 2018, 139, 182-193.	2.0	59
4	[6]-gingerol and [6]-shogaol, active ingredients of the traditional Japanese medicine hangeshashinto, relief oral ulcerative mucositis-induced pain via action on Na ⁺ channels. <i>Pharmacological Research</i> , 2017, 117, 288-302.	3.1	58
5	Rheological Properties of Human Saliva and Salivary Mucins. <i>Journal of Oral Biosciences</i> , 2008, 50, 134-141.	0.8	53
6	Relationship of the unstimulated whole saliva flow rate and salivary gland size estimated by magnetic resonance image in healthy young humans. <i>Archives of Oral Biology</i> , 2006, 51, 345-349.	0.8	45
7	Adenosine triphosphate drives head and neck cancer pain through P2X2/3 heterotrimers. <i>Acta Neuropathologica Communications</i> , 2014, 2, 62.	2.4	42
8	Dynamic magnetic resonance sialography as a new diagnostic technique for patients with Sjogren's syndrome. <i>Oral Diseases</i> , 2006, 12, 408-414.	1.5	37
9	Demethylating Drugs as Novel Analgesics for Cancer Pain. <i>Clinical Cancer Research</i> , 2014, 20, 4882-4893.	3.2	36
10	Distinct TRPV1- and TRPA1-based mechanisms underlying enhancement of oral ulcerative mucositis-induced pain by 5-fluorouracil. <i>Pain</i> , 2016, 157, 1004-1020.	2.0	34
11	Nax channel involved in CNS sodium-level sensing. <i>Nature Neuroscience</i> , 2002, 5, 511-512.	7.1	33
12	The traditional Japanese medicine hangeshashinto alleviates oral ulcer-induced pain in a rat model. <i>Archives of Oral Biology</i> , 2016, 66, 30-37.	0.8	31
13	Angiotensin II Induces Inward Currents in Subfornical Organ Neurones of Rats. <i>Journal of Neuroendocrinology</i> , 2001, 13, 517-523.	1.2	29
14	Novel methods of applying direct chemical and mechanical stimulation to the oral mucosa for traditional behavioral pain assays in conscious rats. <i>Journal of Neuroscience Methods</i> , 2015, 239, 162-169.	1.3	27
15	The functional evaluation of salivary glands using dynamic MR sialography following citric acid stimulation: A preliminary study. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2005, 100, 357-364.	1.6	26
16	Differences between Orofacial Inflammation and Cancer Pain. <i>Journal of Dental Research</i> , 2010, 89, 615-620.	2.5	26
17	Electrophysiological and Chemical Properties in Subclassified Acutely Dissociated Cells of Rat Trigeminal Ganglion by Current Signatures. <i>Journal of Neurophysiology</i> , 2010, 104, 3451-3461.	0.9	26
18	Central glial activation mediates cancer-induced pain in a rat facial cancer model. <i>Neuroscience</i> , 2011, 180, 334-343.	1.1	26

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19	Prostanoid-dependent spontaneous pain and PAR ₂ -dependent mechanical allodynia following oral mucosal trauma. <i>Molecular Pain</i> , 2017, 13, 174480691770413.	1.0	26
20	Relationship of chewing-stimulated whole saliva flow rate and salivary gland size. <i>Archives of Oral Biology</i> , 2007, 52, 427-431.	0.8	24
21	OPRM1 Methylation Contributes to Opioid Tolerance in Cancer Patients. <i>Journal of Pain</i> , 2017, 18, 1046-1059.	0.7	24
22	Orthodontic force-induced oxidative stress in the periodontal tissue and dental pulp elicits nociception via activation/sensitization of TRPA1 on nociceptive fibers. <i>Free Radical Biology and Medicine</i> , 2020, 147, 175-186.	1.3	24
23	DAMGO Suppresses Both Excitatory and Inhibitory Synaptic Transmission in Supraoptic Neurones of Mouse Hypothalamic Slice Preparations. <i>Journal of Neuroendocrinology</i> , 2004, 16, 198-207.	1.2	23
24	Endothelin Receptor-mediated Responses in Trigeminal Ganglion Neurones. <i>Journal of Dental Research</i> , 2013, 92, 335-339.	2.5	23
25	Endothelin-1 Elicits TRP-Mediated Pain in an Acid-Induced Oral Ulcer Model. <i>Journal of Dental Research</i> , 2018, 97, 901-908.	2.5	23
26	Activation of Muscarinic Receptors in Rat Subfornical Organ Neurones. <i>Journal of Neuroendocrinology</i> , 2003, 15, 770-777.	1.2	21
27	Galanin inhibits neural activity in the subfornical organ in rat slice preparation. <i>Neuroscience</i> , 2006, 143, 769-777.	1.1	21
28	Behavioral characteristics and c-Fos expression in the medullary dorsal horn in a rat model for orofacial cancer pain. <i>European Journal of Pain</i> , 2009, 13, 373-379.	1.4	21
29	Muscarinic modulation of GABAergic transmission to neurons in the rat subfornical organ. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 280, R1657-R1664.	0.9	20
30	Transient outward K ⁺ currents in rat dissociated subfornical organ neurones and angiotensin II effects. <i>Journal of Physiology</i> , 2005, 568, 979-991.	1.3	18
31	Pilocarpine-induced Salivation and Thirst in Conscious Rats. <i>Journal of Dental Research</i> , 2006, 85, 64-68.	2.5	18
32	Distinct time courses of microglial and astrocytic hyperactivation and the glial contribution to pain hypersensitivity in a facial cancer model. <i>Brain Research</i> , 2012, 1457, 70-80.	1.1	18
33	Changes of salivary functions in experimental periodontitis model rats. <i>Archives of Oral Biology</i> , 2014, 59, 125-132.	0.8	18
34	Functional evaluations of the parotid and submandibular glands using dynamic magnetic resonance sialography. <i>Dentomaxillofacial Radiology</i> , 2007, 36, 218-223.	1.3	17
35	Dynamic magnetic resonance sialography for patients with xerostomia. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2008, 106, 115-123.	1.6	17
36	Hypocretin-1/orexin-A activates subfornical organ neurons of rats. <i>NeuroReport</i> , 2008, 19, 69-73.	0.6	16

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37	TRPV1 expression level in isolectin B ₄ -positive neurons contributes to mouse strain difference in cutaneous thermal nociceptive sensitivity. <i>Journal of Neurophysiology</i> , 2015, 113, 3345-3355.	0.9	16
38	Pain mechanism of oral ulcerative mucositis and the therapeutic traditional herbal medicine hangeshashinto. <i>Journal of Oral Biosciences</i> , 2019, 61, 12-15.	0.8	16
39	The Japanese herbal medicine Hangeshashinto enhances oral keratinocyte migration to facilitate healing of chemotherapy-induced oral ulcerative mucositis. <i>Scientific Reports</i> , 2020, 10, 625.	1.6	16
40	Central nicotinic stimulation reduces vascular conductance in the gingiva in anesthetized rats. <i>Journal of Periodontal Research</i> , 2005, 40, 67-72.	1.4	15
41	Spontaneously active GABAergic interneurons in the subfornical organ of rat slice preparations. <i>Neuroscience Letters</i> , 2001, 306, 45-48.	1.0	13
42	Central injection of galanin inhibits angiotensin II-induced responses in rats. <i>NeuroReport</i> , 2008, 19, 323-326.	0.6	13
43	Comparison of the electrophysiological and immunohistochemical properties of acutely dissociated and 1-day cultured rat trigeminal ganglion neurons. <i>Neuroscience Letters</i> , 2012, 523, 162-166.	1.0	13
44	Cutaneous pigmentation modulates skin sensitivity via tyrosinase-dependent dopaminergic signalling. <i>Scientific Reports</i> , 2017, 7, 9181.	1.6	13
45	Nerve Growth Factor Involves Mutual Interaction between Neurons and Satellite Glial Cells in the Rat Trigeminal Ganglion. <i>Acta Histochemica Et Cytochemica</i> , 2013, 46, 65-73.	0.8	12
46	Thirst sensation and oral dryness following alcohol intake. <i>Japanese Dental Science Review</i> , 2017, 53, 78-85.	2.0	12
47	The effects of hyperglycaemia on peri-implant tissues after osseointegration. <i>Journal of Prosthodontic Research</i> , 2020, 64, 217-223.	1.1	12
48	Nicotinic receptor subtypes in rat subfornical organ neurons and glial cells. <i>Neuroscience</i> , 2008, 154, 994-1001.	1.1	11
49	Isolectin B ₄ binding in populations of rat trigeminal ganglion cells. <i>Neuroscience Letters</i> , 2010, 486, 127-131.	1.0	11
50	Significance of Dynamic Magnetic Resonance Sialography in Prognostic Evaluation of Saline Solution Irrigation of the Parotid Gland for the Treatment of Xerostomia. <i>Journal of Oral and Maxillofacial Surgery</i> , 2010, 68, 768-776.	0.5	10
51	Nicotinic receptor agonist-induced salivation and its cellular mechanism in parotid acini of rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2011, 161, 81-86.	1.4	10
52	Distinct effects of cevimeline and pilocarpine on salivary mechanisms, cardiovascular response and thirst sensation in rats. <i>Archives of Oral Biology</i> , 2012, 57, 421-428.	0.8	10
53	Isoliquiritigenin, an active ingredient of Glycyrrhiza, elicits antinociceptive effects via inhibition of Nav channels. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 967-980.	1.4	10
54	Effects of cevimeline on salivation and thirst in conscious rats. <i>Archives of Oral Biology</i> , 2007, 52, 26-29.	0.8	9

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55	Intraperitoneal injection of pilocarpine activates neurons in the circumventricular organs and hypothalamus in rats. <i>Brain Research</i> , 2008, 1200, 51-57.	1.1	9
56	Differences in the Ca ²⁺ response resulting from neurotransmitter stimulations of rat parotid acini and ducts. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010, 154, 102-107.	1.4	9
57	Effect of central nicotinic activation on drinking behavior. <i>NeuroReport</i> , 2008, 19, 845-849.	0.6	8
58	Parotid salivary secretion induced by stimulation of periodontal regions with toothbrush in humans. <i>Journal of Medical Investigation</i> , 2009, 56, 277-277.	0.2	8
59	Hyposalivation due to chemotherapy exacerbates oral ulcerative mucositis and delays its healing. <i>Archives of Oral Biology</i> , 2019, 105, 20-26.	0.8	8
60	Evidence for the presence of nicotinic receptors on rat subfornical organ neurons. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2003, 108, 87-90.	1.4	7
61	Cell subpopulations of nicotine-sensitive subfornical organ neurons in rat. <i>Neuroscience Letters</i> , 2008, 442, 74-76.	1.0	7
62	Distinct mechanisms underlie the regulation of body fluid balance by neurokinin B and angiotensin II in the rat brain. <i>Brain Research</i> , 2011, 1383, 179-186.	1.1	7
63	Alterations in opioid inhibition cause widespread nociception but do not affect anxiety-like behavior in oral cancer mice. <i>Neuroscience</i> , 2017, 363, 50-61.	1.1	7
64	Maldevelopment of the submandibular gland in a mouse model of apert syndrome. <i>Developmental Dynamics</i> , 2018, 247, 1175-1185.	0.8	7
65	Analgesic Mechanisms of Steroid Ointment against Oral Ulcerative Mucositis in a Rat Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12600.	1.8	7
66	Diversity of the muscarinic and nicotinic responses of subfornical organ neurons in rat slice preparations. <i>Neuroscience Letters</i> , 2004, 354, 135-138.	1.0	6
67	Activation of subfornical organ neurons in rats through pre- and postsynaptic $\hat{\pm}$ -adrenoceptors. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 290, R1646-R1653.	0.9	6
68	Small salivary gland size in patients with xerostomia of unknown etiology. <i>Archives of Oral Biology</i> , 2009, 54, 369-373.	0.8	6
69	A Rat Pain Model of Facial Cancer. <i>Methods in Molecular Biology</i> , 2012, 851, 149-157.	0.4	6
70	Dopamine modulates neuronal excitability pre- and post-synaptically in the rat subfornical organ. <i>Brain Research</i> , 2012, 1447, 44-52.	1.1	6
71	Association between sensory processing and dental fear among female undergraduates in Japan. <i>Acta Odontologica Scandinavica</i> , 2019, 77, 525-533.	0.9	6
72	Vesicular nucleotide transporter mediates adenosine triphosphate release in compressed human periodontal ligament fibroblast cells and participates in tooth movement-induced nociception in rats. <i>Archives of Oral Biology</i> , 2020, 110, 104607.	0.8	6

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73	Xerostomia aggravates ligation-induced peri-implantitis: A preclinical in vivo study. <i>Clinical Oral Implants Research</i> , 2021, 32, 581-589.	1.9	6
74	The effect of flavor on the oral perception and palatability of viscosity in healthy human subjects. <i>Journal of Oral Biosciences</i> , 2021, 63, 91-96.	0.8	6
75	The ethanol metabolite acetaldehyde induces water and salt intake via two distinct pathways in the central nervous system of rats. <i>Neuropharmacology</i> , 2015, 99, 589-599.	2.0	5
76	Targeting the endothelin axis as a therapeutic strategy for oral cancer metastasis and pain. <i>Scientific Reports</i> , 2020, 10, 20832.	1.6	5
77	Functional evaluation of swallowing in patients with tongue cancer before and after surgery using high-speed continuous magnetic resonance imaging based on T2-weighted sequences. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2018, 125, 88-98.	0.2	4
78	A Ser252Trp substitution in mouse FGFR2 results in hyperplasia of embryonic salivary gland parenchyma. <i>Journal of Oral Biosciences</i> , 2021, 63, 184-191.	0.8	4
79	Noncholinergic Actions of Atropine on GABAergic Synaptic Transmission in the Subfornical Organ of Rat Slice Preparations. <i>Toxicology and Applied Pharmacology</i> , 2002, 178, 180-185.	1.3	3
80	Oral Dryness and Thirst. <i>Journal of Oral Biosciences</i> , 2010, 52, 344-351.	0.8	3
81	Can the neurovascular compression volume of the trigeminal nerve on magnetic resonance cisternography predict the success of local anesthetic block after initial treatment by the carbamazepine?. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014, 117, e15-e21.	0.2	3
82	Hematogenous apoptotic mechanism in salivary glands in chronic periodontitis. <i>Archives of Oral Biology</i> , 2020, 117, 104775.	0.8	3
83	Proteome analysis for rat saliva. <i>Journal of Medical Investigation</i> , 2009, 56, 224-227.	0.2	3
84	Effects of pilocarpine and cevimeline on Ca ²⁺ mobilization in rat parotid acini and ducts. <i>Journal of Medical Investigation</i> , 2009, 56, 375-375.	0.2	3
85	Enhancement of ERK phosphorylation and photic responses in Vc/C1 neurons of a migraine model. <i>Neuroscience Letters</i> , 2017, 647, 14-19.	1.0	2
86	Neuronal effects of neurokinin B on the rat subfornical organ. <i>NeuroReport</i> , 2011, 22, 374-378.	0.6	1
87	Diagnosis and Prognostic Evaluation for Xerostomia Using Dynamic MR Sialography. <i>Current Medical Imaging</i> , 2014, 10, 84-94.	0.4	1
88	Cisplatin induces TRPA1-mediated mechanical allodynia in the oral mucosa. <i>Archives of Oral Biology</i> , 2022, 133, 105317.	0.8	1
89	Expression of Ascorbate Peroxidase Derived from <i>Cyanidioschyzon merolae</i> in Mammalian Cells. <i>In Vivo</i> , 2020, 34, 2437-2441.	0.6	0
90	Effects of inhalation sedation with nitrous oxide on intraoral senses. <i>Pediatric Dental Journal</i> , 2021, 31, 248-255.	0.3	0

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91	P-22. Relationship of thirst, dry mouth and salivary secretion. The Journal of the Kyushu Dental Society, 2004, 58, 143-144.	0.0	0
92	1. Transient outward K ⁺ currents in rat dissociated subfornical organ neurons and angiotensin II effects. The Journal of the Kyushu Dental Society, 2005, 59, 222-223.	0.0	0
93	Ca ²⁺ mobilization by nicotine through synaptic activation in rat parotid acini. Journal of Medical Investigation, 2009, 56, 376-376.	0.2	0
94	OSC16: Effects of Streptozotocin-induced Diabetes Mellitus on Peri-implantitis. Journal of Indian Prosthodontic Society, The, 2018, 18, S13-S14.	0.3	0