Ichiro Sakata

List of Publications by Year
in descending order

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92 papers	4,363 citations	126907 33 h-index	110387 64 g-index
96 all docs	96 docs citations	96 times ranked	4177 citing authors

#	Article	IF	Citations
1	The orexigenic hormone ghrelin defends against depressive symptoms of chronic stress. Nature Neuroscience, 2008, 11, 752-753.	14.8	534
2	Ghrelin Increases the Rewarding Value of High-Fat Diet in an Orexin-Dependent Manner. Biological Psychiatry, 2010, 67, 880-886.	1.3	314
3	Ghrelin mediates stress-induced food-reward behavior in mice. Journal of Clinical Investigation, 2011, 121, 2684-2692.	8.2	279
4	Ghrelin-producing cells exist as two types of cells, closed- and opened-type cells, in the rat gastrointestinal tract. Peptides, 2002, 23, 531-536.	2.4	276
5	A Major Lineage of Enteroendocrine Cells Coexpress CCK, Secretin, GIP, GLP-1, PYY, and Neurotensin but Not Somatostatin. Endocrinology, 2012, 153, 5782-5795.	2.8	269
6	Seven transmembrane G protein-coupled receptor repertoire of gastric ghrelin cells. Molecular Metabolism, 2013, 2, 376-392.	6.5	261
7	Ghrelin secretion stimulated by Î² ₁ -adrenergic receptors in cultured ghrelinoma cells and in fasted mice. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15868-15873.	7.1	170
8	Growth hormone secretagogue receptor expression in the cells of the stomach-projected afferent nerve in the rat nodose ganglion. Neuroscience Letters, 2003, 342, 183-186.	2.1	110
9	Colocalization of ghrelinO-acyltransferase and ghrelin in gastric mucosal cells. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E134-E141.	3.5	109
10	Ghrelin Directly Stimulates Glucagon Secretion from Pancreatic Î±-Cells. Molecular Endocrinology, 2011, 25, 1600-1611.	3.7	108
11	Genetic tracing of Nav1.8â€expressing vagal afferents in the mouse. Journal of Comparative Neurology, 2011, 519, 3085-3101.	1.6	100
12	Ghrelin Cells in the Gastrointestinal Tract. International Journal of Peptides, 2010, 2010, 1-7.	0.7	89
13	Increased ghrelin signaling prolongs survival in mouse models of human aging through activation of sirtuin1. Molecular Psychiatry, 2016, 21, 1613-1623.	7.9	87
14	Characterization of a novel ghrelin cell reporter mouse. Regulatory Peptides, 2009, 155, 91-98.	1.9	84
15	Glucose-mediated control of ghrelin release from primary cultures of gastric mucosal cells. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E1300-E1310.	3.5	84
16	Functional implications of limited leptin receptor and ghrelin receptor coexpression in the brain. Journal of Comparative Neurology, 2012, 520, 281-294.	1.6	76
17	G protein-coupled receptor 120 signaling regulates ghrelin secretion in vivo and in vitro. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E28-E35.	3.5	74
18	Estrogen modulates ghrelin expression in the female rat stomach. Peptides, 2004, 25, 289-297.	2.4	73

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19	Existence of ghrelin-immunopositive and -expressing cells in the proventriculus of the hatching and adult chicken. Regulatory Peptides, 2003, 111, 123-128.	1.9	60
20	Postnatal changes in ghrelin mRNA expression and in ghrelin-producing cells in the rat stomach. Journal of Endocrinology, 2002, 174, 463-471.	2.6	59
21	House musk shrew (Suncus murinus, order: Insectivora) as a new model animal for motilin study. Peptides, 2009, 30, 318-329.	2.4	57
22	Gastric estrogen directly induces ghrelin expression and production in the rat stomach. Journal of Endocrinology, 2006, 190, 749-757.	2.6	53
23	Hindbrain Ghrelin Receptor Signaling Is Sufficient to Maintain Fasting Glucose. PLoS ONE, 2012, 7, e44089.	2.5	52
24	Structural determination and histochemical localization of ghrelin in the red-eared slider turtle, Trachemys scripta elegans. General and Comparative Endocrinology, 2004, 138, 50-57.	1.8	49
25	Exogenous administration of octanoic acid accelerates octanoylated ghrelin production in the proventriculus of neonatal chicks. Biochemical and Biophysical Research Communications, 2005, 333, 583-589.	2.1	44
26	Coordination of motilin and ghrelin regulates the migrating motor complex of gastrointestinal motility in Suncus murinus. American Journal of Physiology - Renal Physiology, 2012, 302, G1207-G1215.	3.4	41
27	Localization of Ghrelin-Producing Cells in the Stomach of the Rainbow Trout (Oncorhynchus mykiss). Zoological Science, 2004, 21, 757-762.	0.7	40
28	In vitro selection of a peptide antagonist of growth hormone secretagogue receptor using cDNA display. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11121-11126.	7.1	40
29	The Role of the Vagus Nerve in the Migrating Motor Complex and Ghrelin- and Motilin-Induced Gastric Contraction in Suncus. PLoS ONE, 2013, 8, e64777.	2.5	40
30	Gastric leptin, but not estrogen and somatostatin, contributes to the elevation of ghrelin mRNA expression level in fasted rats. Journal of Endocrinology, 2008, 196, 529-538.	2.6	39
31	Identification of ghrelin in the house musk shrew (Suncus murinus): cDNA cloning, peptide purification and tissue distribution. Peptides, 2009, 30, 982-990.	2.4	39
32	Physiological characteristics of gastric contractions and circadian gastric motility in the free-moving conscious house musk shrew (Suncus murinus). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R1106-R1113.	1.8	38
33	Molecular identification of GHS-R and GPR38 in Suncus murinus. Peptides, 2012, 36, 29-38.	2.4	36
34	Ghrelin Is an Essential Factor for Motilin-Induced Gastric Contraction in Suncus murinus. Endocrinology, 2015, 156, 4437-4447.	2.8	34
35	Proton- and ammonium-sensing by histaminergic neurons controlling wakefulness. Frontiers in Systems Neuroscience, 2012, 6, 23.	2.5	31
36	Identification of immunoreactive plasma and stomach ghrelin, and expression of stomach ghrelin mRNA in the bullfrog, Rana catesbeiana. General and Comparative Endocrinology, 2006, 148, 236-244.	1.8	26

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37	Diurnal Change of Thyroidâ€Stimulating Hormone mRNA Expression in the Rat Pars Tuberalis. Journal of Neuroendocrinology, 2007, 19, 839-846.	2.6	26
38	Myenteric neural network activated by motilin in the stomach of Suncus murinus (house musk) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	3.0	26
39	Neuroanatomical and functional characterization of CRF neurons of the amygdala using a novel transgenic mouse model. Neuroscience, 2015, 289, 153-165.	2.3	25
40	DNA Introduction into Living Cells by Water Droplet Impact with an Electrospray Process. Angewandte Chemie - International Edition, 2008, 47, 1429-1431.	13.8	23
41	Negative Regulation of Neuromedin U mRNA Expression in the Rat Pars Tuberalis by Melatonin. PLoS ONE, 2013, 8, e67118.	2.5	22
42	Mechanism of Ghrelin-Induced Gastric Contractions in Suncus murinus (House Musk Shrew): Involvement of Intrinsic Primary Afferent Neurons. PLoS ONE, 2013, 8, e60365.	2.5	21
43	Role of Calcium and EPAC in Norepinephrine-Induced Ghrelin Secretion. Endocrinology, 2014, 155, 98-107.	2.8	19
44	Caspase-3 sensitive signaling in vivo in apoptotic HeLa cells by chemically engineered intramolecular fluorescence resonance energy transfer mutants of green fluorescent protein. Biochemical and Biophysical Research Communications, 2005, 330, 454-460.	2.1	18
45	Characterization of Gastric and Neuronal Histaminergic Populations Using a Transgenic Mouse Model. PLoS ONE, 2013, 8, e60276.	2.5	18
46	Motilin Stimulates Gastric Acid Secretion in Coordination with Ghrelin in Suncus murinus. PLoS ONE, 2015, 10, e0131554.	2.5	17
47	Collision of millimetre droplets induces DNA and protein transfection into cells. Scientific Reports, 2012, 2, 289.	3.3	16
48	Î²-Oxidation in ghrelin-producing cells is important for ghrelin acyl-modification. Scientific Reports, 2018, 8, 9176.	3.3	16
49	Detailed analysis of formation of chicken pituitary primordium in early embryonic development. Cell and Tissue Research, 2008, 333, 417-426.	2.9	15
50	Glutamine and glutamic acid enhance thyroid-stimulating hormone Î² subunit mRNA expression in the rat pars tuberalis. Journal of Endocrinology, 2012, 212, 383-394.	2.6	15
51	A high-throughput direct fluorescence resonance energy transfer-based assay for analyzing apoptotic proteases using flow cytometry and fluorescence lifetime measurements. Analytical Biochemistry, 2015, 491, 10-17.	2.4	15
52	A Sexually Dimorphic Area of the Dorsal Hypothalamus in Mice and Common Marmosets. Endocrinology, 2016, 157, 4817-4828.	2.8	14
53	Identification of pheasant ghrelin and motilin and their actions on contractility of the isolated gastrointestinal tract. General and Comparative Endocrinology, 2020, 285, 113294.	1.8	14
54	Molecular cloning of motilin and mechanism of motilin-induced gastrointestinal motility in Japanese quail. General and Comparative Endocrinology, 2016, 233, 53-62.	1.8	13

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55	A comparative study of sex difference in calbindin neurons among mice, musk shrews, and Japanese quails. Neuroscience Letters, 2016, 631, 63-69.	2.1	13
56	Expression of Serum Retinol Binding Protein and Transthyretin within Mouse Gastric Ghrelin Cells. PLoS ONE, 2013, 8, e64882.	2.5	12
57	Utility of animal gastrointestinal motility and transit models in functional gastrointestinal disorders. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2019, 40-41, 101633.	2.4	11
58	Involvement of Transient Receptor Potential Vanilloid Receptor 1, (TRPV1)-Expressing Vagal Nerve in the Inhibitory Effect of Gastric Acidification on Exogenous Motilin-Induced Gastric Phase III Contractions in Suncus murinus. Digestive Diseases and Sciences, 2016, 61, 1501-1511.	2.3	9
59	Underlying mechanism of the cyclic migrating motor complex inSuncus murinus: a change in gastrointestinal pH is the key regulator. Physiological Reports, 2017, 5, e13105.	1.7	8
60	Circulating messenger for neuroprotection induced by molecular hydrogen. Canadian Journal of Physiology and Pharmacology, 2019, 97, 909-915.	1.4	8
61	Ghrelin-cell physiology and role in the gastrointestinal tract. Current Opinion in Endocrinology, Diabetes and Obesity, 2021, 28, 238-242.	2.3	7
62	Role of Hormone-sensitive Lipase in Leptin-Promoted Fat Loss and Glucose Lowering. Journal of Atherosclerosis and Thrombosis, 2017, 24, 1105-1116.	2.0	6
63	Study of termination of postprandial gastric contractions in humans, dogs and Suncus murinus: role of motilinâ€•and ghrelinâ€‹induced strong contraction. Acta Physiologica, 2018, 222, e12933.	3.8	6
64	A verification study of gastrointestinal motility-stimulating action of guinea-pig motilin using isolated gastrointestinal strips from rabbits and guinea-pigs. General and Comparative Endocrinology, 2019, 274, 106-112.	1.8	6
65	Rikkunshito induces gastric relaxation via the Î²â€‹adrenergic pathway in Suncus murinus. Neurogastroenterology and Motility, 2015, 27, 875-884.	3.0	5
66	The effect of glutamate on ghrelin release in mice. Cell Biology International, 2017, 41, 320-327.	3.0	5
67	Detailed morphogenetic analysis of the embryonic chicken pars tuberalis as glycoprotein alpha subunit positive region. Journal of Molecular Histology, 2013, 44, 401-409.	2.2	4
68	Identification of marker genes for pars tuberalis morphogenesis in chick embryo: expression of Cytokine-like 1 and Gap junction protein alpha 5 in pars tuberalis. Cell and Tissue Research, 2016, 366, 721-731.	2.9	4
69	Molecular Cloning of Ghrelin and Characteristics of Ghrelin-Producing Cells in the Gastrointestinal Tract of the Common Marmoset (Callithrix jacchus). Zoological Science, 2016, 33, 497-504.	0.7	4
70	Detailed analysis of the Î´-crystallin mRNA-expressing region in early development of the chick pituitary gland. Journal of Molecular Histology, 2012, 43, 273-280.	2.2	3
71	Regulation of LH/FSH expression by secretoglobin 3A2 in the mouse pituitary gland. Cell and Tissue Research, 2014, 356, 253-260.	2.9	3
72	Motilin stimulates pepsinogen secretion in Suncus murinus. Biochemical and Biophysical Research Communications, 2015, 462, 263-268.	2.1	3

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73	The proximal gastric corpus is the most responsive site of motilin-induced contractions in the stomach of the Asian house shrew. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2016, 186, 665-675.	1.5	3
74	Milk basic protein increases ghrelin secretion and bone mineral density in rodents. Nutrition, 2017, 39-40, 15-19.	2.4	3
75	The important role of ghrelin on gastric contraction in Suncus murinus. Endocrine Journal, 2017, 64, S11-S14.	1.6	3
76	The study of ghrelin secretion and acyl-modification using mice and ghrelinoma cell lines. Endocrine Journal, 2017, 64, S27-S29.	1.6	3
77	GABAergic and glutamatergic neurons in the brain regulate phase II of migrating motor contractions in the <i>Suncus murinus</i>. Journal of Smooth Muscle Research, 2018, 54, 91-99.	1.2	3
78	Identification and characterization of an antimicrobial peptide, lysozyme, from Suncus murinus. Cell and Tissue Research, 2019, 376, 401-412.	2.9	3
79	Pyridoxine stimulates filaggrin production in human epidermal keratinocytes. Molecular Biology Reports, 2021, 48, 5513-5518.	2.3	3
80	Diurnal changes of colonic motility and regulatory factors for colonic motility in Suncus murinus. Neurogastroenterology and Motility, 2022, 34, e14302.	3.0	3
81	Molecular cloning and analysis of Suncus murinus group IIA secretary phospholipase A2 expression. Developmental and Comparative Immunology, 2019, 100, 103427.	2.3	2
82	Adenosine stimulates neuromedin U mRNA expression in the rat pars tuberalis. Molecular and Cellular Endocrinology, 2019, 496, 110518.	3.2	2
83	The suppressive effect of REVERBs on ghrelin and GOAT transcription in gastric ghrelin-producing cells. Neuropeptides, 2021, 90, 102187.	2.2	2
84	Using a Whole-mount Immunohistochemical Method to Study the Innervation of the Biliary Tract in Suncus murinus. Journal of Visualized Experiments, 2017, , .	0.3	1
85	Generation and characterization of Suncus murinus intestinal organoid: a useful tool for studying motilin secretion. Cell Biology International, 2020, 44, 62-69.	3.0	1
86	The role of central corticotrophinâ€releasing factor receptor signalling in plasma glucose maintenance through ghrelin secretion in calorieâ€restricted mice. Journal of Neuroendocrinology, 2021, 33, e12961.	2.6	1
87	The inhibitory effect of somatostatin on gastric motility in Suncus murinus. Journal of Smooth Muscle Research, 2020, 56, 69-81.	1.2	1
88	Identification of motilin in Japanese fire bellied newt. General and Comparative Endocrinology, 2022, 323-324, 114031.	1.8	1
89	Molecular cloning of cholecystokinin (CCK) and CCK-A receptor and mechanism of CCK-induced gastrointestinal motility in Suncus murinus. General and Comparative Endocrinology, 2022, 327, 114074.	1.8	1
90	Molecular characterization and expression analysis of the regenerating islet-derived protein 3 alpha from Suncus murinus. Gene Reports, 2021, 25, 101400.	0.8	0

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91	The role of nesfatin-1 in the regulation of feeding and emesis in <i>Suncus murinus</i> (House Musk Shrew). Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-1-31.	0.0	0
92	The Actions of Centrally Administered Nesfatin-1 on Emesis, Feeding, and Locomotor Activity in Suncus murinus (House Musk Shrew). Frontiers in Pharmacology, 2022, 13, 858522.	3.5	0