Masahiro Hosaka

List of Publications by Year
in descending order

56	2,823	236612 25	168136 53
papers	citations	h-index	g-index

58	58	58	3163
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phosphorescent Lightâ€“Emitting Iridium Complexes Serve as a Hypoxia-Sensing Probe for Tumor Imaging in Living Animals. Cancer Research, 2010, 70, 4490-4498.	0.4	319
2	A Phospho-Switch Controls the Dynamic Association of Synapsins with Synaptic Vesicles. Neuron, 1999, 24, 377-387.	3.8	243
3	The Rab27a/Granuphilin Complex Regulates the Exocytosis of Insulin-Containing Dense-Core Granules. Molecular and Cellular Biology, 2002, 22, 1858-1867.	1.1	214
4	Identification and Functional Expression of a New Member of the Mammalian Kex2-Like Processing Endoprotease Family: Its Striking Structural Similarity to PACE41. Journal of Biochemistry, 1993, 113, 132-135.	0.9	203
5	Ratiometric Molecular Sensor for Monitoring Oxygen Levels in Living Cells. Angewandte Chemie - International Edition, 2012, 51, 4148-4151.	7.2	201
6	Reactive Oxygen Species-Mediated Pancreatic Î²-Cell Death Is Regulated by Interactions between Stress-Activated Protein Kinases, p38 and c-Jun N-Terminal Kinase, and Mitogen-Activated Protein Kinase Phosphatases. Endocrinology, 2008, 149, 1654-1665.	1.4	125
7	Cloning and Functional Expression of a Novel Endoprotease Involved in Prohormone Processing at Dibasic Sites1. Journal of Biochemistry, 1991, 109, 803-806.	0.9	113
8	Oxygen imaging of living cells and tissues using luminescent molecular probes. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2017, 30, 71-95.	5.6	98
9	Synapsins I and II Are ATP-binding Proteins with Differential Ca2+ Regulation. Journal of Biological Chemistry, 1998, 273, 1425-1429.	1.6	91
10	Homo- and Heterodimerization of Synapsins. Journal of Biological Chemistry, 1999, 274, 16747-16753.	1.6	87
11	Synapsin III, a Novel Synapsin with an Unusual Regulation by Ca2+. Journal of Biological Chemistry, 1998, 273, 13371-13374.	1.6	85
12	Secretogranin III Binds to Cholesterol in the Secretory Granule Membrane as an Adapter for Chromogranin A. Journal of Biological Chemistry, 2004, 279, 3627-3634.	1.6	81
13	Identification of a Chromogranin A Domain That Mediates Binding to Secretogranin III and Targeting to Secretory Granules in Pituitary Cells and Pancreatic Î²-Cells. Molecular Biology of the Cell, 2002, 13, 3388-3399.	0.9	79
14	Intracellular and in Vivo Oxygen Sensing Using Phosphorescent Ir(III) Complexes with a Modified Acetylacetonato Ligand. Analytical Chemistry, 2015, 87, 2710-2717.	3.2	76
15	Interaction between secretogranin III and carboxypeptidase E facilitates prohormone sorting within secretory granules. Journal of Cell Science, 2005, 118, 4785-4795.	1.2	68
16	Angiogenic endothelium-specific nestin expression is enhanced by the first intron of the nestin gene. Laboratory Investigation, 2004, 84, 1581-1592.	1.7	55
17	Cholesterol Biosynthesis Pathway Intermediates and Inhibitors Regulate Glucose-Stimulated Insulin Secretion and Secretory Granule Formation in Pancreatic Î²-Cells. Endocrinology, 2010, 151, 4705-4716.	1.4	46
18	Secretogranin III: a Bridge between Core Hormone Aggregates and the Secretory Granule Membrane. Endocrine Journal, 2010, 57, 275-286.	0.7	43

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19	Mitochondria-targeted oxygen probes based on cationic iridium complexes with a 5-amino-1, 10-phenanthroline ligand. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 299, 172-182.	2.0	43
20	Parathyroid Hormone-Related Protein Induces Insulin Expression Through Activation of MAP Kinase-Specific Phosphatase-1 That Dephosphorylates c-Jun NH2-Terminal Kinase in Pancreatic Â-Cells. Diabetes, 2003, 52, 2720-2730.	0.3	39
21	Secretogranin II binds to secretogranin III and forms secretory granules with orexin, neuropeptide Y, and POMC. Journal of Endocrinology, 2009, 202, 111-121.	1.2	39
22	A Large Form of Secretogranin III Functions as a Sorting Receptor for Chromogranin A Aggregates in PC12 Cells. Molecular Endocrinology, 2008, 22, 1935-1949.	3.7	34
23	A Subset of p23 Localized on Secretory Granules in Pancreatic Î²-cells. Journal of Histochemistry and Cytochemistry, 2007, 55, 235-245.	1.3	29
24	Silylation Improves the Photodynamic Activity of Tetraphenylporphyrin Derivatives In Vitro and In Vivo. Chemistry - A European Journal, 2014, 20, 6054-6060.	1.7	26
25	Immunocytochemical Localization of Secretogranin III in the Anterior Lobe of Male Rat Pituitary Glands. Journal of Histochemistry and Cytochemistry, 2003, 51, 227-238.	1.3	25
26	A Unique Ball-Shaped Golgi Apparatus in the Rat Pituitary Gonadotrope. Journal of Histochemistry and Cytochemistry, 2012, 60, 588-602.	1.3	24
27	Silylation enhancement of photodynamic activity of tetraphenylporphyrin derivative. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 221, 98-104.	2.0	21
28	Immunocytochemical localization of secretogranin III in the endocrine pancreas of male rats. Archives of Histology and Cytology, 2004, 67, 57-64.	0.2	20
29	Sorting Mechanism of Peptide Hormones and Biogenesis Mechanism of Secretory Granules by Secretogranin III, a Cholesterol-Binding Protein, in Endocrine Cells. Current Diabetes Reviews, 2008, 4, 31-38.	0.6	20
30	Cyclophilin C-associated protein regulation of phagocytic functions via NFAT activation in macrophages. Brain Research, 2011, 1397, 55-65.	1.1	20
31	Luminal Interaction of Phogrin with Carboxypeptidase E for Effective Targeting to Secretory Granules. Traffic, 2011, 12, 499-506.	1.3	19
32	Multiple Sorting Systems for Secretory Granules Ensure the Regulated Secretion of Peptide Hormones. Traffic, 2013, 14, 205-218.	1.3	16
33	Chronic exercise enhances insulin secretion ability of pancreatic islets without change in insulin content in non-diabetic rats. Biochemical and Biophysical Research Communications, 2013, 430, 676-682.	1.0	16
34	TORC1 activity is partially reduced under nitrogen starvation conditions in sake yeast Kyokai no. 7, Saccharomyces cerevisiae. Journal of Bioscience and Bioengineering, 2016, 121, 247-252.	1.1	15
35	Molecular probes for sensing the cholesterol composition of subcellular organelle membranes. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 1169-1181.	1.2	14
36	PACE4A IS A UBIQUITOUS ENDOPROTEASE THAT HAS SIMILAR BUT NOT IDENTICAL SUBSTRATE SPECIFICITY TO OTHER KEX2-LIKE PROCESSING ENDOPROTEASES . Biomedical Research, 1994, 15, 383-390.	0.3	14

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37	Addition of phosphotungstic acid to ethanol for dehydration improves both the ultrastructure and antigenicity of pituitary tissue embedded in LR White acrylic resin. Archives of Histology and Cytology, 2005, 68, 337-347.	0.2	12
38	The pseudophosphatase phogrin enables glucose-stimulated insulin signaling in pancreatic Î² cells. Journal of Biological Chemistry, 2018, 293, 5920-5933.	1.6	12
39	Cholesterol Analogs Labeled with Novel Silylated Fluorescent Compounds. Chemistry Letters, 2009, 38, 966-967.	0.7	11
40	Impaired Processing of Prohormones in Secretogranin IIIâ€“Null Mice Causes Maladaptation to an Inadequate Diet and Stress. Endocrinology, 2018, 159, 1213-1227.	1.4	11
41	Effects of a depot formulation of the GnRH agonist leuprorelin on the ultrastructure of male rat pituitary gonadotropes. Archives of Histology and Cytology, 2007, 70, 79-93.	0.2	9
42	Functional implications of the Golgi and microtubular network in gonadotropes. Molecular and Cellular Endocrinology, 2014, 385, 88-96.	1.6	9
43	CLONING AND SEQUENCE ANALYSIS OF MOUSE cDNAs ENCODING PREPROTACHYKININ A AND B . Biomedical Research, 1993, 14, 253-259.	0.3	9
44	Functional Localization of Proprotein-convertase Furin and its Substrate TGFÎ² in EGF Receptor-expressing Gastric Chief Cells. Growth Factors, 2004, 22, 51-59.	0.5	8
45	In vivo phosphorescence imaging of cancer using iridium complexes. Proceedings of SPIE, 2009, , .	0.8	7
46	Intact structure of EGAM1 homeoproteins and basic amino acid residues in the common homeodomain of EGAM1 and EGAM1C contribute to their nuclear localization in mouse embryonic stem cells. Journal of Bioscience and Bioengineering, 2013, 116, 141-146.	1.1	7
47	Expression of Secretogranin III in Chicken Endocrine Cells. Journal of Histochemistry and Cytochemistry, 2015, 63, 350-366.	1.3	7
48	Partial inhibition of differentiation associated with elevated protein levels of pluripotency factors in mouse embryonic stem cells expressing exogenous EGAM1N homeoprotein. Journal of Bioscience and Bioengineering, 2015, 120, 562-569.	1.1	5
49	Iridium complex probes for monitoring of cellular oxygen levels and imaging of hypoxic tissues. Proceedings of SPIE, 2012, , .	0.8	4
50	Sustained treatment with a GnRH agonist (leuprorelin) affects the ultrastructural characteristics of membranous organelles in male rat pituitary gonadotropes. Archives of Histology and Cytology, 2013, 74, 41-57.	0.2	4
51	Canine Salivary Glands: Analysis of Rab and SNARE Protein Expression and SNARE Complex Formation With Diverse Tissue Properties. Journal of Histochemistry and Cytochemistry, 2017, 65, 637-653.	1.3	3
52	Synthesis and Properties of Fluorescent Biological Molecules Labeled with Novel Silylated Perylene Derivative. Key Engineering Materials, 0, 459, 63-66.	0.4	2
53	Culture in 10% O2 enhances the production of active hormones in neuro-endocrine cells by up-regulating the expression of processing enzymes. Biochemical Journal, 2019, 476, 827-842.	1.7	2
54	Expression Pattern of the LacZ Reporter in Secretogranin III Gene-trapped Mice. Journal of Histochemistry and Cytochemistry, 2021, 69, 229-243.	1.3	2

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55	Phosphorescent light-emitting iridium complexes serve as a hypoxia-sensing probe for tumor imaging in living animals. Proceedings of SPIE, 2010, , .	0.8	1
56	Differential Expression of Secretogranins II and III in Canine Adrenal Chromaffin Cells and Pheochromocytomas. Journal of Histochemistry and Cytochemistry, 2022, 70, 335-356.	1.3	1