

Masahiro Hosaka

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57
papers

2,457
citations

25
h-index

49
g-index

58
ext. papers

2,642
ext. citations

4.6
avg, IF

4.54
L-index

#	Paper	IF	Citations
57	Phosphorescent light-emitting iridium complexes serve as a hypoxia-sensing probe for tumor imaging in living animals. <i>Cancer Research</i> , 2010 , 70, 4490-8	10.1	282
56	A phospho-switch controls the dynamic association of synapsins with synaptic vesicles. <i>Neuron</i> , 1999 , 24, 377-87	13.9	221
55	The Rab27a/granuphilin complex regulates the exocytosis of insulin-containing dense-core granules. <i>Molecular and Cellular Biology</i> , 2002 , 22, 1858-67	4.8	197
54	Identification and functional expression of a new member of the mammalian Kex2-like processing endoprotease family: its striking structural similarity to PACE4. <i>Journal of Biochemistry</i> , 1993 , 113, 132-5 ^{3.1}	3.1	187
53	Ratiometric molecular sensor for monitoring oxygen levels in living cells. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4148-51	16.4	170
52	Reactive oxygen species-mediated pancreatic beta-cell death is regulated by interactions between stress-activated protein kinases, p38 and c-Jun N-terminal kinase, and mitogen-activated protein kinase phosphatases. <i>Endocrinology</i> , 2008 , 149, 1654-65	4.8	110
51	Cloning and functional expression of a novel endoprotease involved in prohormone processing at dibasic sites. <i>Journal of Biochemistry</i> , 1991 , 109, 803-6	3.1	100
50	Synapsins I and II are ATP-binding proteins with differential Ca ²⁺ regulation. <i>Journal of Biological Chemistry</i> , 1998 , 273, 1425-9	5.4	80
49	Synapsin III, a novel synapsin with an unusual regulation by Ca ²⁺ . <i>Journal of Biological Chemistry</i> , 1998 , 273, 13371-4	5.4	77
48	Secretogranin III binds to cholesterol in the secretory granule membrane as an adapter for chromogranin A. <i>Journal of Biological Chemistry</i> , 2004 , 279, 3627-34	5.4	76
47	Identification of a chromogranin A domain that mediates binding to secretogranin III and targeting to secretory granules in pituitary cells and pancreatic beta-cells. <i>Molecular Biology of the Cell</i> , 2002 , 13, 3388-99	3.5	76
46	Homo- and heterodimerization of synapsins. <i>Journal of Biological Chemistry</i> , 1999 , 274, 16747-53	5.4	72
45	Oxygen imaging of living cells and tissues using luminescent molecular probes. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2017 , 30, 71-95	16.4	65
44	Interaction between secretogranin III and carboxypeptidase E facilitates prohormone sorting within secretory granules. <i>Journal of Cell Science</i> , 2005 , 118, 4785-95	5.3	62
43	Intracellular and in vivo oxygen sensing using phosphorescent Ir(III) complexes with a modified acetylacetonato ligand. <i>Analytical Chemistry</i> , 2015 , 87, 2710-7	7.8	59
42	Angiogenic endothelium-specific nestin expression is enhanced by the first intron of the nestin gene. <i>Laboratory Investigation</i> , 2004 , 84, 1581-92	5.9	52
41	Secretogranin III: a bridge between core hormone aggregates and the secretory granule membrane. <i>Endocrine Journal</i> , 2010 , 57, 275-86	2.9	38

40	Cholesterol biosynthesis pathway intermediates and inhibitors regulate glucose-stimulated insulin secretion and secretory granule formation in pancreatic beta-cells. <i>Endocrinology</i> , 2010 , 151, 4705-16	4.8	36
39	Secretogranin II binds to secretogranin III and forms secretory granules with orexin, neuropeptide Y, and POMC. <i>Journal of Endocrinology</i> , 2009 , 202, 111-21	4.7	34
38	Ratiometric Molecular Sensor for Monitoring Oxygen Levels in Living Cells. <i>Angewandte Chemie</i> , 2012 , 124, 4224-4227	3.6	33
37	Mitochondria-targeted oxygen probes based on cationic iridium complexes with a 5-amino-1, 10-phenanthroline ligand. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 299, 172-182	4.7	32
36	Parathyroid hormone-related protein induces insulin expression through activation of MAP kinase-specific phosphatase-1 that dephosphorylates c-Jun NH2-terminal kinase in pancreatic beta-cells. <i>Diabetes</i> , 2003 , 52, 2720-30	0.9	32
35	A large form of secretogranin III functions as a sorting receptor for chromogranin A aggregates in PC12 cells. <i>Molecular Endocrinology</i> , 2008 , 22, 1935-49		29
34	A subset of p23 localized on secretory granules in pancreatic beta-cells. <i>Journal of Histochemistry and Cytochemistry</i> , 2007 , 55, 235-45	3.4	27
33	Immunocytochemical localization of secretogranin III in the anterior lobe of male rat pituitary glands. <i>Journal of Histochemistry and Cytochemistry</i> , 2003 , 51, 227-38	3.4	25
32	Silylation improves the photodynamic activity of tetraphenylporphyrin derivatives in vitro and in vivo. <i>Chemistry - A European Journal</i> , 2014 , 20, 6054-60	4.8	22
31	A unique ball-shaped Golgi apparatus in the rat pituitary gonadotrope: its functional implications in relation to the arrangement of the microtubule network. <i>Journal of Histochemistry and Cytochemistry</i> , 2012 , 60, 588-602	3.4	21
30	Immunocytochemical localization of secretogranin III in the endocrine pancreas of male rats. <i>Archives of Histology and Cytology</i> , 2004 , 67, 57-64		20
29	Silylation enhancement of photodynamic activity of tetraphenylporphyrin derivative. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 221, 98-104	4.7	18
28	Cyclophilin C-associated protein regulation of phagocytic functions via NFAT activation in macrophages. <i>Brain Research</i> , 2011 , 1397, 55-65	3.7	16
27	Multiple sorting systems for secretory granules ensure the regulated secretion of peptide hormones. <i>Traffic</i> , 2013 , 14, 205-18	5.7	15
26	Chronic exercise enhances insulin secretion ability of pancreatic islets without change in insulin content in non-diabetic rats. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 430, 676-82	3.4	15
25	Sorting mechanism of peptide hormones and biogenesis mechanism of secretory granules by secretogranin III, a cholesterol-binding protein, in endocrine cells. <i>Current Diabetes Reviews</i> , 2008 , 4, 31-8	2.7	15
24	Luminal interaction of phogrin with carboxypeptidase E for effective targeting to secretory granules. <i>Traffic</i> , 2011 , 12, 499-506	5.7	13
23	PACE4A IS A UBIQUITOUS ENDOPROTEASE THAT HAS SIMILAR BUT NOT IDENTICAL SUBSTRATE SPECIFICITY TO OTHER KEX2-LIKE PROCESSING ENDOPROTEASES . <i>Biomedical Research</i> , 1994 , 15, 383-390		13

22	Molecular probes for sensing the cholesterol composition of subcellular organelle membranes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006 , 1761, 1169-81	5	11
21	Addition of phosphotungstic acid to ethanol for dehydration improves both the ultrastructure and antigenicity of pituitary tissue embedded in LR White acrylic resin. <i>Archives of Histology and Cytology</i> , 2005 , 68, 337-47		11
20	Cholesterol Analogs Labeled with Novel Silylated Fluorescent Compounds. <i>Chemistry Letters</i> , 2009 , 38, 966-967	1.7	9
19	CLONING AND SEQUENCE ANALYSIS OF MOUSE cDNAs ENCODING PREPROTACHYKININ A AND B. <i>Biomedical Research</i> , 1993 , 14, 253-259	1.5	9
18	Impaired Processing of Prohormones in Secretogranin III-Null Mice Causes Maladaptation to an Inadequate Diet and Stress. <i>Endocrinology</i> , 2018 , 159, 1213-1227	4.8	8
17	Functional implications of the Golgi and microtubular network in gonadotropes. <i>Molecular and Cellular Endocrinology</i> , 2014 , 385, 88-96	4.4	8
16	Effects of a depot formulation of the GnRH agonist leuprorelin on the ultrastructure of male rat pituitary gonadotropes. <i>Archives of Histology and Cytology</i> , 2007 , 70, 79-93		8
15	Functional localization of proprotein-convertase furin and its substrate TGFbeta in EGF receptor-expressing gastric chief cells. <i>Growth Factors</i> , 2004 , 22, 51-9	1.6	8
14	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. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 116, 141-6	3.3	7
13	The pseudophosphatase phogrin enables glucose-stimulated insulin signaling in pancreatic β cells. <i>Journal of Biological Chemistry</i> , 2018 , 293, 5920-5933	5.4	6
12	Expression of Secretogranin III in Chicken Endocrine Cells: Its Relevance to the Secretory Granule Properties of Peptide Prohormone Processing and Bioactive Amine Content. <i>Journal of Histochemistry and Cytochemistry</i> , 2015 , 63, 350-66	3.4	6
11	In vivo phosphorescence imaging of cancer using iridium complexes 2009 ,		6
10	Partial inhibition of differentiation associated with elevated protein levels of pluripotency factors in mouse embryonic stem cells expressing exogenous EGAM1N homeoprotein. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 120, 562-9	3.3	5
9	TORC1 activity is partially reduced under nitrogen starvation conditions in sake yeast Kyokai no. 7, <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2016 , 121, 247-52	3.3	4
8	Sustained treatment with a GnRH agonist (leuprorelin) affects the ultrastructural characteristics of membranous organelles in male rat pituitary gonadotropes. <i>Archives of Histology and Cytology</i> , 2013 , 74, 41-57		4
7	Synthesis and Properties of Fluorescent Biological Molecules Labeled with Novel Silylated Perylene Derivative. <i>Key Engineering Materials</i> , 2010 , 459, 63-66	0.4	2
6	Canine Salivary Glands: Analysis of Rab and SNARE Protein Expression and SNARE Complex Formation With Diverse Tissue Properties. <i>Journal of Histochemistry and Cytochemistry</i> , 2017 , 65, 637-653	3.4	1
5	Phosphorescent light-emitting iridium complexes serve as a hypoxia-sensing probe for tumor imaging in living animals 2010 ,		1

4	Iridium complex probes for monitoring of cellular oxygen levels and imaging of hypoxic tissues 2012,		1
3	Culture in 10% O enhances the production of active hormones in neuro-endocrine cells by up-regulating the expression of processing enzymes. <i>Biochemical Journal</i> , 2019 , 476, 827-842	3-8	1
2	Expression Pattern of the Reporter in Secretogranin III Gene-trapped Mice. <i>Journal of Histochemistry and Cytochemistry</i> , 2021 , 69, 229-243	3-4	1
1	Differential Expression of Secretogranins II and III in Canine Adrenal Chromaffin Cells and Pheochromocytomas.. <i>Journal of Histochemistry and Cytochemistry</i> , 2022 , 221554221091000	3-4	