Shinji Asano

List of Publications by Year
in descending order

69 papers	1,292 citations	361413 20 h-index	395702 33 g-index
70 all docs	70 docs citations	70 times ranked	1313 citing authors

#	Article	IF	Citations
1	Pathophysiological Roles of Ezrin/Radixin/Moesin Proteins. Biological and Pharmaceutical Bulletin, 2017, 40, 381-390.	1.4	79
2	Scopadulciol, an Inhibitor of Gastric H+,K+-ATPhase from Scoparia dulcis, and Its Structure-Activity Relation-ships. Journal of Natural Products, 1991, 54, 802-809.	3.0	69
3	Microbiota-gut-brain axis: enteroendocrine cells and the enteric nervous system form an interface between the microbiota and the central nervous system. Biomedical Research, 2020, 41, 199-216.	0.9	57
4	Functional Expression of Gastric H+,K+-ATPase and Site-directed Mutagenesis of the Putative Cation Binding Site and the Catalytic Center. Journal of Biological Chemistry, 1996, 271, 2740-2745.	3.4	54
5	Establishment and Characterization of a Colonic Epithelial Cell Line MCE301 from Transgenic Mice Harboring Temperature-Sensitive Simian Virus 40 Large T-Antigen Gene.. Cell Structure and Function, 2000, 25, 297-307.	1.1	52
6	Functional expression of putative H⁺-K⁺-ATPase from guinea pig distal colon. American Journal of Physiology - Cell Physiology, 1998, 275, C669-C674.	4.6	49
7	Identification of genes responsive to sodium butyrate in colonic epithelial cells. Biochemical and Biophysical Research Communications, 2002, 293, 1287-1294.	2.1	49
8	The Roles of Carbohydrate Chains of the Î²-Subunit on the Functional Expression of Gastric H+,K+-ATPase. Journal of Biological Chemistry, 2000, 275, 8324-8330.	3.4	46
9	pH of TGN and recycling endosomes of H⁺/K⁺-ATPase-transfected HEK-293 cells: implications for pH regulation in the secretory pathway. American Journal of Physiology - Cell Physiology, 2003, 285, C205-C214.	4.6	44
10	Mutational Analysis of Putative SCH 28080 Binding Sites of the Gastric H+,K+-ATPase. Journal of Biological Chemistry, 1997, 272, 17668-17674.	3.4	40
11	The Cavity Structure for Docking the K+-competitive Inhibitors in the Gastric Proton Pump. Journal of Biological Chemistry, 2004, 279, 13968-13975.	3.4	40
12	A Novel Transporter of SLC22 Family Specifically Transports Prostaglandins and Co-localizes with 15-Hydroxyprostaglandin Dehydrogenase in Renal Proximal Tubules. Journal of Biological Chemistry, 2010, 285, 22141-22151.	3.4	39
13	K+-Cl- Cotransporter-3a Up-regulates Na+,K+-ATPase in Lipid Rafts of Gastric Luminal Parietal Cells. Journal of Biological Chemistry, 2008, 283, 6869-6877.	3.4	38
14	Scopadulcic acid B, a new tetracyclic diterpenoid from Scoparia dulcis L. Its structure, H+, K+-adenosine triphosphatase inhibitory activity and pharmacokinetic behaviour in rats.. Chemical and Pharmaceutical Bulletin, 1990, 38, 2740-2745.	1.3	31
15	Sex hormones induce a gender-related difference in renal expression of a novel prostaglandin transporter, OAT-PG, influencing basal PGE₂concentration. American Journal of Physiology - Renal Physiology, 2012, 302, F342-F349.	2.7	30
16	Ezrin, a membrane cytoskeletal cross-linker, is essential for the regulation of phosphate and calcium homeostasis. Kidney International, 2013, 83, 41-49.	5.2	29
17	Knockdown of ezrin causes intrahepatic cholestasis by the dysregulation of bile fluidity in the bile duct epithelium in mice. Hepatology, 2015, 61, 1660-1671.	7.3	27
18	The presence of H+,K+-ATPase in the crypt of rabbit distal colon demonstrated with monoclonal antibodies against gastric H+,K+-ATPase. Gastroenterology, 1990, 99, 1339-1346.	1.3	26

#	Article	IF	Citations
19	A Chimeric Gastric H+,K+-ATPase Inhibitable with Both Ouabain and SCH 28080. Journal of Biological Chemistry, 1999, 274, 6848-6854.	3.4	24
20	Alanine-scanning Mutagenesis of the Sixth Transmembrane Segment of Gastric H+,K+-ATPase Î±-Subunit. Journal of Biological Chemistry, 2001, 276, 31265-31273.	3.4	22
21	DEVELOPMENT OF THE CONDITIONALLY IMMORTALIZED TESTICULAR SERTOLI CELL LINE TTE3 EXPRESSING SERTOLI CELL SPECIFIC GENES FROM MICE TRANSGENIC FOR TEMPERATURE SENSITIVE SIMIAN VIRUS 40 LARGE T ANTIGEN GENE. Journal of Urology, 2002, 167, 1538-1545.	0.4	21
22	Mutational Study on the Roles of Disulfide Bonds in the Î²-Subunit of Gastric H+,K+-ATPase. Journal of Biological Chemistry, 2002, 277, 20671-20677.	3.4	21
23	L-Type Amino Acid Transporter-1 Expressed in Human Astrocytomas, U343MGa. Biological and Pharmaceutical Bulletin, 2007, 30, 415-422.	1.4	20
24	Ezrin Mediates Neuritogenesis via Down-Regulation of RhoA Activity in Cultured Cortical Neurons. PLoS ONE, 2014, 9, e105435.	2.5	20
25	Ouabain-Insensitive, Vanadate-Sensitive K+-ATPase or Rat Distal Colon is Partly Similar to Gastric H+,K+-ATPase.. The Japanese Journal of Physiology, 1992, 42, 577-589.	0.9	20
26	Pathophysiological Roles of Actin-Binding Scaffold Protein, Ezrin. International Journal of Molecular Sciences, 2022, 23, 3246.	4.1	20
27	Involvement of the H3O+-Lys-164 -Gln-161-Glu-345 Charge Transfer Pathway in Proton Transport of Gastric H+,K+-ATPase. Journal of Biological Chemistry, 2008, 283, 16876-16884.	3.4	19
28	Initiation of malignancy by duodenal contents reflux and the role of ezrin in developing esophageal squamous cell carcinoma. Cancer Science, 2010, 101, 624-630.	3.9	19
29	Mutational Analysis of the Putative K+-Binding Site on the Fourth Transmembrane Segment of the Gastric H+,K+-ATPase. Journal of Biochemistry, 2000, 127, 993-1000.	1.7	18
30	Expression of ATP1AL1, a Non-Gastric Proton Pump, in Human Colorectum.. The Japanese Journal of Physiology, 2002, 52, 317-321.	0.9	18
31	Molecular and pharmacological properties of inwardly rectifying K+ channels of human lung cancer cells. European Journal of Pharmacology, 2002, 435, 125-133.	3.5	18
32	Development and Characterization of Conditionally Immortalized Gastric Epithelial Cell Lines from Transgenic Rats Harboring Temperature-Sensitive Simian Virus 40 Large T-antigen Gene.. Cell Structure and Function, 2002, 27, 71-79.	1.1	18
33	Monoclonal Antibody HK4001 Completely Inhibits K+-Dependent ATP Hydrolysis and H+ Transport of Hog Gastric H+K+-ATPase1. Journal of Biochemistry, 1989, 106, 1074-1079.	1.7	17
34	Molecular and Cellular Regulation of the Gastric Proton Pump. Biological and Pharmaceutical Bulletin, 2004, 27, 1-12.	1.4	17
35	Inhibition of P-type ATPases by [(dihydroindenyl)oxy]acetic acid (DIOA), a K+â€“Clâ¯ cotransporter inhibitor. European Journal of Pharmacology, 2007, 560, 123-126.	3.5	17
36	Intracellular Clâ¯ Regulation of Ciliary Beating in Ciliated Human Nasal Epithelial Cells: Frequency and Distance of Ciliary Beating Observed by High-Speed Video Microscopy. International Journal of Molecular Sciences, 2020, 21, 4052.	4.1	15

#	Article	IF	Citations
37	Stable Expression of Gastric Proton Pump Activity at the Cell Surface. Journal of Biochemistry, 2002, 131, 923-932.	1.7	13
38	Loss of ezrin expression reduced the susceptibility to the glomerular injury in mice. Scientific Reports, 2018, 8, 4512.	3.3	13
39	Comprehensive proteome analysis of brush border membrane fraction of ileum of ezrin knockdown mice . Biomedical Research, 2016, 37, 127-139.	0.9	11
40	Effects of ezrin knockdown on the structure of gastric glandular epithelia. Journal of Physiological Sciences, 2016, 66, 53-65.	2.1	11
41	Ursodeoxycholic Acid Ameliorates Intrahepatic Cholestasis Independent of Biliary Bicarbonate Secretion in <i>Vil2^{kd}</i>[/]<i>^{kd}</i> Mice. Biological and Pharmaceutical Bulletin, 2017, 40, 34-42.	1.4	11
42	Properties of Light and Heavy Vesicles Simultaneously Prepared from Hog Gastric Mucosae1. Journal of Biochemistry, 1988, 103, 672-677.	1.7	8
43	Chimeric Domain Analysis of the Compatibility between H+,K+-ATPase and Na+,K+-ATPase Î²-Subunits for the Functional Expression of Gastric H+,K+-ATPase. Journal of Biological Chemistry, 1999, 274, 22257-22265.	3.4	8
44	Internalization of NKCC2 is impaired in thick ascending limb of Henle in moesin knockout mice. Pflugers Archiv European Journal of Physiology, 2018, 470, 1055-1068.	2.8	8
45	Xenin-25 induces anion secretion by activating noncholinergic secretomotor neurons in the rat ileum. American Journal of Physiology - Renal Physiology, 2019, 316, G785-G796.	3.4	7
46	Moesin is involved in microglial activation accompanying morphological changes and reorganization of the actin cytoskeleton. Journal of Physiological Sciences, 2020, 70, 52.	2.1	7
47	Ezrin knockdown reduces procaterol-stimulated ciliary beating without morphological changes in mouse airway cilia. Journal of Cell Science, 2022, 135, .	2.0	7
48	Significance of Lysine/Glycine Cluster Structure in Gastric H+,K+-ATPase.. The Japanese Journal of Physiology, 2000, 50, 419-428.	0.9	6
49	Cibenzoline, an ATP-sensitive K+ channel blocker, binds to the K+ -binding site from the cytoplasmic side of gastric H+ ,K+ -ATPase. British Journal of Pharmacology, 2001, 134, 1655-1662.	5.4	5
50	New Gastric Epithelial Cell Lines from Mice Transgenic for Temperature-Sensitive Simian Virus 40 Large T Antigen Show Distinct Types of Cell Differentiation. Digestion, 2003, 67, 71-81.	2.3	5
51	Quantity and Quality Control of Gastric Proton Pump in the Endoplasmic Reticulum by Ubiquitin/Proteasome Systemâ€. Biochemistry, 2003, 42, 4771-4779.	2.5	4
52	Glucocorticoid mediates the transcription of OAT-PG, a kidney-specific prostaglandin transporter. Pflugers Archiv European Journal of Physiology, 2014, 466, 925-935.	2.8	4
53	Airway Ciliary Beating Affected by the Pcp4 Dose-Dependent [Ca2+]i Increase in Down Syndrome Mice, Ts1Rhr. International Journal of Molecular Sciences, 2020, 21, 1947.	4.1	4
54	Enhancement of airway ciliary beating mediated via voltage-gated Ca2+ channels/Î±7-nicotinic receptors in mice. Pflugers Archiv European Journal of Physiology, 2022, 474, 1091-1106.	2.8	4

#	Article	IF	Citations
55	Excessive Expression of Hippocampal Ezrin Is Induced by Intrastriatal Injection of 6-Hydroxydopamine. Biological and Pharmaceutical Bulletin, 2011, 34, 1753-1758.	1.4	3
56	Decreased Expression of a Novel Prostaglandin Transporter, OAT-PG, Facilitates Renocortical PGE₂ Accumulation during Rat Pregnancy. Gynecologic and Obstetric Investigation, 2013, 76, 163-170.	1.6	3
57	Monoclonal Antibody HK4013 Recognizes an Epitope Specific for Gastric Subtype of H+, K+-ATPase1. Journal of Biochemistry, 1994, 116, 1069-1074.	1.7	2
58	K+-site-directed pyridine derivative, AU-1421, activates hydrolysis of the K+-sensitive phosphoenzyme of sarcoplasmic reticulum Ca2+-ATPase and inactivates that of K+-transporting ATPases. Biochimica Et Biophysica Acta - Biomembranes, 1992, 1106, 71-76.	2.6	1
59	Quality Control of Gastric Proton Pump in the Endoplasmic Reticulum by Ubiquitin/Proteasome System. Annals of the New York Academy of Sciences, 2003, 986, 655-657.	3.8	1
60	The Cell Biology of Gastric Acid Secretion. , 2018, , 831-867.		1
61	DEVELOPMENT OF THE CONDITIONALLY IMMORTALIZED TESTICULAR SERTOLI CELL LINE TTE3 EXPRESSING SERTOLI CELL SPECIFIC GENES FROM MICE TRANSGENIC FOR TEMPERATURE SENSITIVE SIMIAN VIRUS 40 LARGE T ANTIGEN GENE. Journal of Urology, 2002, , 1538-1545.	0.4	1
62	Minimum biological domain of xenin-25 required to induce anion secretion in the rat ileum. Peptides, 2021, 147, 170680.	2.4	1
63	Mutational Analysis of Gastric Proton Pump, Î±- and Î²-Subunits. , 2002, , 59-70.		0
64	Downâ€regulation of FXYD3 protein, a regulator of Na + ,K + â€ATPase, in human colorectal cancers. FASEB Journal, 2007, 21, A535.	0.5	0
65	Effect of ezrin knockdown on the architecture of gastric epithelia. FASEB Journal, 2010, 24, 1006.2.	0.5	0
66	Molecular Basis of Gastric Acid Secretion in Parietal Cells. Membrane, 2011, 36, 278-285.	0.0	0
67	Sex hormones induce genderâ€related difference in renal expression of a novel prostaglandin transporter, OATâ€PG, influencing basal PGE 2 concentration. FASEB Journal, 2012, 26, 1096.2.	0.5	0
68	The membrane cytoskeletal crosslinker ezrin is essential for the regulation of phosphate and calcium homeostasis. FASEB Journal, 2013, 27, 912.5.	0.5	0
69	Moesin is Involved in Migration and Phagocytosis Activities of Primary Microglia. BPB Reports, 2020, 3, 185-189.	0.3	0