

Shinji Asano

List of Publications by Year in descending order

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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	Ezrin knockdown reduces procaterol-stimulated ciliary beating without morphological changes in mouse airway cilia. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	7
2	Pathophysiological Roles of Actin-Binding Scaffold Protein, Ezrin. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3246.	4.1	20
3	Enhancement of airway ciliary beating mediated via voltage-gated Ca ²⁺ channels/ β -nicotinic receptors in mice. <i>Pflugers Archiv European Journal of Physiology</i> , 2022, 474, 1091-1106.	2.8	4
4	Minimum biological domain of xenin-25 required to induce anion secretion in the rat ileum. <i>Peptides</i> , 2021, 147, 170680.	2.4	1
5	Moesin is involved in microglial activation accompanying morphological changes and reorganization of the actin cytoskeleton. <i>Journal of Physiological Sciences</i> , 2020, 70, 52.	2.1	7
6	Airway Ciliary Beating Affected by the Pcp4 Dose-Dependent [Ca ²⁺] _i Increase in Down Syndrome Mice, Ts1Rhr. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1947.	4.1	4
7	Intracellular Cl ⁻ Regulation of Ciliary Beating in Ciliated Human Nasal Epithelial Cells: Frequency and Distance of Ciliary Beating Observed by High-Speed Video Microscopy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4052.	4.1	15
8	Microbiota-gut-brain axis: enteroendocrine cells and the enteric nervous system form an interface between the microbiota and the central nervous system. <i>Biomedical Research</i> , 2020, 41, 199-216.	0.9	57
9	Moesin is Involved in Migration and Phagocytosis Activities of Primary Microglia. <i>BPB Reports</i> , 2020, 3, 185-189.	0.3	0
10	Xenin-25 induces anion secretion by activating noncholinergic secretomotor neurons in the rat ileum. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, G785-G796.	3.4	7
11	Loss of ezrin expression reduced the susceptibility to the glomerular injury in mice. <i>Scientific Reports</i> , 2018, 8, 4512.	3.3	13
12	Internalization of NKCC2 is impaired in thick ascending limb of Henle in moesin knockout mice. <i>Pflugers Archiv European Journal of Physiology</i> , 2018, 470, 1055-1068.	2.8	8
13	The Cell Biology of Gastric Acid Secretion. , 2018, , 831-867.		1
14	Pathophysiological Roles of Ezrin/Radixin/Moesin Proteins. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 381-390.	1.4	79
15	Ursodeoxycholic Acid Ameliorates Intrahepatic Cholestasis Independent of Biliary Bicarbonate Secretion in β -mannan 6-phosphate 4-epimerase-deficient Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 34-42.	1.4	11
16	Comprehensive proteome analysis of brush border membrane fraction of ileum of ezrin knockdown mice. <i>Biomedical Research</i> , 2016, 37, 127-139.	0.9	11
17	Effects of ezrin knockdown on the structure of gastric glandular epithelia. <i>Journal of Physiological Sciences</i> , 2016, 66, 53-65.	2.1	11
18	Knockdown of ezrin causes intrahepatic cholestasis by the dysregulation of bile fluidity in the bile duct epithelium in mice. <i>Hepatology</i> , 2015, 61, 1660-1671.	7.3	27

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19	Glucocorticoid mediates the transcription of OAT-PG, a kidney-specific prostaglandin transporter. <i>Pflügers Archiv European Journal of Physiology</i> , 2014, 466, 925-935.	2.8	4
20	Ezrin Mediates Neuritogenesis via Down-Regulation of RhoA Activity in Cultured Cortical Neurons. <i>PLoS ONE</i> , 2014, 9, e105435.	2.5	20
21	Decreased Expression of a Novel Prostaglandin Transporter, OAT-PG, Facilitates Renocortical PGE ₂ Accumulation during Rat Pregnancy. <i>Gynecologic and Obstetric Investigation</i> , 2013, 76, 163-170.	1.6	3
22	Ezrin, a membrane cytoskeletal cross-linker, is essential for the regulation of phosphate and calcium homeostasis. <i>Kidney International</i> , 2013, 83, 41-49.	5.2	29
23	The membrane cytoskeletal crosslinker ezrin is essential for the regulation of phosphate and calcium homeostasis. <i>FASEB Journal</i> , 2013, 27, 912.5.	0.5	0
24	Sex hormones induce a gender-related difference in renal expression of a novel prostaglandin transporter, OAT-PG, influencing basal PGE ₂ concentration. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, F342-F349.	2.7	30
25	Sex hormones induce gender-related difference in renal expression of a novel prostaglandin transporter, OAT-PG, influencing basal PGE ₂ concentration. <i>FASEB Journal</i> , 2012, 26, 1096.2.	0.5	0
26	Excessive Expression of Hippocampal Ezrin Is Induced by Intrastratial Injection of 6-Hydroxydopamine. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 1753-1758.	1.4	3
27	Molecular Basis of Gastric Acid Secretion in Parietal Cells. <i>Membrane</i> , 2011, 36, 278-285.	0.0	0
28	Initiation of malignancy by duodenal contents reflux and the role of ezrin in developing esophageal squamous cell carcinoma. <i>Cancer Science</i> , 2010, 101, 624-630.	3.9	19
29	A Novel Transporter of SLC22 Family Specifically Transports Prostaglandins and Co-localizes with 15-Hydroxyprostaglandin Dehydrogenase in Renal Proximal Tubules. <i>Journal of Biological Chemistry</i> , 2010, 285, 22141-22151.	3.4	39
30	Effect of ezrin knockdown on the architecture of gastric epithelia. <i>FASEB Journal</i> , 2010, 24, 1006.2.	0.5	0
31	K ⁺ -Cl ⁻ Cotransporter-3a Up-regulates Na ⁺ ,K ⁺ -ATPase in Lipid Rafts of Gastric Luminal Parietal Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 6869-6877.	3.4	38
32	Involvement of the H ₃ O ⁺ -Lys-164 -Gln-161-Glu-345 Charge Transfer Pathway in Proton Transport of Gastric H ⁺ ,K ⁺ -ATPase. <i>Journal of Biological Chemistry</i> , 2008, 283, 16876-16884.	3.4	19
33	L-Type Amino Acid Transporter-1 Expressed in Human Astrocytomas, U343MGa. <i>Biological and Pharmaceutical Bulletin</i> , 2007, 30, 415-422.	1.4	20
34	Inhibition of P-type ATPases by [(dihydroindenyl)oxy]acetic acid (DIOA), a K ⁺ -Cl ⁻ cotransporter inhibitor. <i>European Journal of Pharmacology</i> , 2007, 560, 123-126.	3.5	17
35	Down-regulation of FXD3 protein, a regulator of Na ⁺ ,K ⁺ -ATPase, in human colorectal cancers. <i>FASEB Journal</i> , 2007, 21, A535.	0.5	0
36	The Cavity Structure for Docking the K ⁺ -competitive Inhibitors in the Gastric Proton Pump. <i>Journal of Biological Chemistry</i> , 2004, 279, 13968-13975.	3.4	40

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37	Molecular and Cellular Regulation of the Gastric Proton Pump. Biological and Pharmaceutical Bulletin, 2004, 27, 1-12.	1.4	17
38	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
39	Quantity and Quality Control of Gastric Proton Pump in the Endoplasmic Reticulum by Ubiquitin/Proteasome System. Biochemistry, 2003, 42, 4771-4779.	2.5	4
40	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
41	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
42	Stable Expression of Gastric Proton Pump Activity at the Cell Surface. Journal of Biochemistry, 2002, 131, 923-932.	1.7	13
43	Identification of genes responsive to sodium butyrate in colonic epithelial cells. Biochemical and Biophysical Research Communications, 2002, 293, 1287-1294.	2.1	49
44	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
45	Mutational Study on the Roles of Disulfide Bonds in the β -Subunit of Gastric H ⁺ ,K ⁺ -ATPase. Journal of Biological Chemistry, 2002, 277, 20671-20677.	3.4	21
46	Expression of ATP1A1, a Non-Gastric Proton Pump, in Human Colorectum.. The Japanese Journal of Physiology, 2002, 52, 317-321.	0.9	18
47	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
48	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
49	Mutational Analysis of Gastric Proton Pump, α - and β -Subunits. , 2002, , 59-70.		0
50	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
51	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
52	Alanine-scanning Mutagenesis of the Sixth Transmembrane Segment of Gastric H ⁺ ,K ⁺ -ATPase α -Subunit. Journal of Biological Chemistry, 2001, 276, 31265-31273.	3.4	22
53	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
54	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

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55	The Roles of Carbohydrate Chains of the $\hat{\text{I}}^2$ -Subunit on the Functional Expression of Gastric H ⁺ ,K ⁺ -ATPase. <i>Journal of Biological Chemistry</i> , 2000, 275, 8324-8330.	3.4	46
56	Significance of Lysine/Glycine Cluster Structure in Gastric H ⁺ ,K ⁺ -ATPase.. <i>The Japanese Journal of Physiology</i> , 2000, 50, 419-428.	0.9	6
57	A Chimeric Gastric H ⁺ ,K ⁺ -ATPase Inhibitable with Both Ouabain and SCH 28080. <i>Journal of Biological Chemistry</i> , 1999, 274, 6848-6854.	3.4	24
58	Chimeric Domain Analysis of the Compatibility between H ⁺ ,K ⁺ -ATPase and Na ⁺ ,K ⁺ -ATPase $\hat{\text{I}}^2$ -Subunits for the Functional Expression of Gastric H ⁺ ,K ⁺ -ATPase. <i>Journal of Biological Chemistry</i> , 1999, 274, 22257-22265.	3.4	8
59	Functional expression of putative H ⁺ -K ⁺ -ATPase from guinea pig distal colon. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 275, C669-C674.	4.6	49
60	Mutational Analysis of Putative SCH 28080 Binding Sites of the Gastric H ⁺ ,K ⁺ -ATPase. <i>Journal of Biological Chemistry</i> , 1997, 272, 17668-17674.	3.4	40
61	Functional Expression of Gastric H ⁺ ,K ⁺ -ATPase and Site-directed Mutagenesis of the Putative Cation Binding Site and the Catalytic Center. <i>Journal of Biological Chemistry</i> , 1996, 271, 2740-2745.	3.4	54
62	Monoclonal Antibody HK4013 Recognizes an Epitope Specific for Gastric Subtype of H ⁺ , K ⁺ -ATPase1. <i>Journal of Biochemistry</i> , 1994, 116, 1069-1074.	1.7	2
63	K ⁺ -site-directed pyridine derivative, AU-1421, activates hydrolysis of the K ⁺ -sensitive phosphoenzyme of sarcoplasmic reticulum Ca ²⁺ -ATPase and inactivates that of K ⁺ -transporting ATPases. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992, 1106, 71-76.	2.6	1
64	Ouabain-Insensitive, Vanadate-Sensitive K ⁺ -ATPase or Rat Distal Colon is Partly Similar to Gastric H ⁺ ,K ⁺ -ATPase.. <i>The Japanese Journal of Physiology</i> , 1992, 42, 577-589.	0.9	20
65	Scopadulciol, an Inhibitor of Gastric H ⁺ ,K ⁺ -ATPase from <i>Scoparia dulcis</i> , and Its Structure-Activity Relationships. <i>Journal of Natural Products</i> , 1991, 54, 802-809.	3.0	69
66	Scopadulcic acid B, a new tetracyclic diterpenoid from <i>Scoparia dulcis</i> L. Its structure, H ⁺ , K ⁺ -adenosine triphosphatase inhibitory activity and pharmacokinetic behaviour in rats.. <i>Chemical and Pharmaceutical Bulletin</i> , 1990, 38, 2740-2745.	1.3	31
67	The presence of H ⁺ ,K ⁺ -ATPase in the crypt of rabbit distal colon demonstrated with monoclonal antibodies against gastric H ⁺ ,K ⁺ -ATPase. <i>Gastroenterology</i> , 1990, 99, 1339-1346.	1.3	26
68	Monoclonal Antibody HK4001 Completely Inhibits K ⁺ -Dependent ATP Hydrolysis and H ⁺ Transport of Hog Gastric H ⁺ ,K ⁺ -ATPase1. <i>Journal of Biochemistry</i> , 1989, 106, 1074-1079.	1.7	17
69	Properties of Light and Heavy Vesicles Simultaneously Prepared from Hog Gastric Mucosae1. <i>Journal of Biochemistry</i> , 1988, 103, 672-677.	1.7	8