

Eitaro Aihara

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,947
citations

304743

22
h-index

361022

35
g-index

43
all docs

43
docs citations

43
times ranked

2863
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishment of Gastrointestinal Epithelial Organoids. <i>Current Protocols in Mouse Biology</i> , 2013, 3, 217-240.	1.2	253
2	Wnt/ β -catenin promotes gastric fundus specification in mice and humans. <i>Nature</i> , 2017, 541, 182-187.	27.8	176
3	Single Lgr5- or Lgr6-expressing taste stem/progenitor cells generate taste bud cells ex vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16401-16406.	7.1	171
4	Trefoil Factor Peptides and Gastrointestinal Function. <i>Annual Review of Physiology</i> , 2017, 79, 357-380.	13.1	130
5	<i>Helicobacter pylori</i> targets cancer-associated apical-junctional constituents in gastroids and gastric epithelial cells. <i>Gut</i> , 2015, 64, 720-730.	12.1	127
6	Paracrine signals regulate human liver organoid maturation from iPSC. <i>Development (Cambridge)</i> , 2017, 144, 1056-1064.	2.5	104
7	The use of murine-derived fundic organoids in studies of gastric physiology. <i>Journal of Physiology</i> , 2015, 593, 1809-1827.	2.9	98
8	Intercellular Coupling of the Cell Cycle and Circadian Clock in Adult Stem Cell Culture. <i>Molecular Cell</i> , 2016, 64, 900-912.	9.7	93
9	The Development of Spasmolytic Polypeptide/TFF2-Expressing Metaplasia (SPEM) During Gastric Repair Is Absent in the Aged Stomach. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 605-624.	4.5	79
10	Motility and Chemotaxis Mediate the Preferential Colonization of Gastric Injury Sites by <i>Helicobacter pylori</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004275.	4.7	67
11	<i>Helicobacter pylori</i> -induced Sonic Hedgehog Expression is Regulated by NF- κ B Pathway Activation: The Use of a Novel In Vitro Model to Study Epithelial Response to Infection. <i>Helicobacter</i> , 2015, 20, 19-28.	3.5	56
12	Characterization of stem/progenitor cell cycle using murine circumvallate papilla taste bud organoid. <i>Scientific Reports</i> , 2015, 5, 17185.	3.3	54
13	Trefoil Factor 2 Requires Na/H Exchanger 2 Activity to Enhance Mouse Gastric Epithelial Repair. <i>Journal of Biological Chemistry</i> , 2011, 286, 38375-38382.	3.4	47
14	Glutamine and alanyl-glutamine promote crypt expansion and mTOR signaling in murine enteroids. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, G831-G839.	3.4	47
15	Epithelial Regeneration After Gastric Ulceration Causes Prolonged Cell-Type Alterations. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 625-647.	4.5	41
16	Transcriptome analyses of taste organoids reveal multiple pathways involved in taste cell generation. <i>Scientific Reports</i> , 2017, 7, 4004.	3.3	40
17	Indian Hedgehog Mediates Gastrin-Induced Proliferation in Stomach of Adult Mice. <i>Gastroenterology</i> , 2014, 147, 655-666.e9.	1.3	39
18	Robust circadian rhythms in organoid cultures from PERIOD2::LUCIFERASE mouse small intestine. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 1123-30.	2.4	38

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19	In vivo action of trefoil factor 2 (TFF2) to speed gastric repair is independent of cyclooxygenase. <i>Gut</i> , 2010, 59, 1184-1191.	12.1	33
20	In Vivo Epithelial Wound Repair Requires Mobilization of Endogenous Intracellular and Extracellular Calcium. <i>Journal of Biological Chemistry</i> , 2013, 288, 33585-33597.	3.4	31
21	Effect of essential amino acids on enteroids: Methionine deprivation suppresses proliferation and affects differentiation in enteroid stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 171-176.	2.1	28
22	Enteroendocrine cells couple nutrient sensing to nutrient absorption by regulating ion transport. <i>Nature Communications</i> , 2020, 11, 4791.	12.8	27
23	Trefoil factor 2 activation of CXCR4 requires calcium mobilization to drive epithelial repair in gastric organoids. <i>Journal of Physiology</i> , 2019, 597, 2673-2690.	2.9	23
24	<i>Helicobacter pylori</i> Uses the TlpB Receptor To Sense Sites of Gastric Injury. <i>Infection and Immunity</i> , 2019, 87, .	2.2	22
25	Cell injury triggers actin polymerization initiating epithelial restitution. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	20
26	Organoids as a Model to Study Infectious Disease. <i>Methods in Molecular Biology</i> , 2018, 1734, 71-81.	0.9	18
27	Transient receptor potential vanilloid 4 mediates sour taste sensing via type III taste cell differentiation. <i>Scientific Reports</i> , 2019, 9, 6686.	3.3	17
28	Importance of Ca ²⁺ in gastric epithelial restitution—new views revealed by real-time in vivo measurements. <i>Current Opinion in Pharmacology</i> , 2014, 19, 76-83.	3.5	14
29	Deficient Active Transport Activity in Healing Mucosa After Mild Gastric Epithelial Damage. <i>Digestive Diseases and Sciences</i> , 2020, 65, 119-131.	2.3	14
30	Murine Methyl Donor Deficiency Impairs Early Growth in Association with Dysmorphic Small Intestinal Crypts and Reduced Gut Microbial Community Diversity. <i>Current Developments in Nutrition</i> , 2019, 3, nzy070.	0.3	12
31	Comparative analysis of enteroendocrine cells and their hormones between mouse intestinal organoids and native tissues. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 936-942.	1.3	10
32	Multiscale positive feedbacks contribute to unidirectional gastric disease progression induced by <i>Helicobacter pylori</i> infection. <i>BMC Systems Biology</i> , 2017, 11, 111.	3.0	5
33	Extracting Insights From Temporal Data by Integrating Dynamic Modeling and Machine Learning. <i>Frontiers in Physiology</i> , 2020, 11, 1012.	2.8	5
34	Generation of intestinal chemosensory cells from nonhuman primate organoids. <i>Biochemical and Biophysical Research Communications</i> , 2021, 536, 20-25.	2.1	5
35	Modeling Human Bile Acid Transport and Synthesis in Stem Cell-Derived Hepatocytes with a Patient-Specific Mutation. <i>Stem Cell Reports</i> , 2021, 16, 309-323.	4.8	3
36	Localized mobilization of intracellular calcium promotes epithelial repair in vivo. <i>FASEB Journal</i> , 2012, 26, 1107.8.	0.5	0

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37	Sonic Hedgehog Acts Via A Smoothenedâ€Dependent Pathway As A Macrophage Chemoattractant. FASEB Journal, 2013, 27, 948.4.	0.5	0
38	Indian Hedgehog mediates gastrinâ€induced proliferation in the adult stomach. FASEB Journal, 2013, 27, 946.2.	0.5	0
39	Epithelial regeneration after gastric ulceration causes prolonged weakened defenses and altered cell types. FASEB Journal, 2015, 29, 998.6.	0.5	0
40	Effect of EGFR on Calcium Mobilization and Epithelial Repair in Gastric Organoids. FASEB Journal, 2018, 32, 612.3.	0.5	0
41	Effect of Helicobacter pylori chemotaxis on gastric epithelial repair. FASEB Journal, 2019, 33, 869.19.	0.5	0
42	During Ca 2+ â€dependent gastric epithelial repair, Ca 2+ is sourced from both Ca 2+ uptake and intracellular Ca 2+ release. FASEB Journal, 2019, 33, 869.18.	0.5	0