

# Pekka Katajisto

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

4,211  
citations

331670

21  
h-index

414414

32  
g-index

37  
all docs

37  
docs citations

37  
times ranked

6862  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapamycin-Induced Insulin Resistance Is Mediated by mTORC2 Loss and Uncoupled from Longevity. <i>Science</i> , 2012, 335, 1638-1643.	12.6	1,022
2	mTORC1 in the Paneth cell niche couples intestinal stem-cell function to calorie intake. <i>Nature</i> , 2012, 486, 490-495.	27.8	631
3	Asymmetric apportioning of aged mitochondria between daughter cells is required for stemness. <i>Science</i> , 2015, 348, 340-343.	12.6	463
4	Fasting Activates Fatty Acid Oxidation to Enhance Intestinal Stem Cell Function during Homeostasis and Aging. <i>Cell Stem Cell</i> , 2018, 22, 769-778.e4.	11.1	266
5	A Wnt-producing niche drives proliferative potential and progression in lung adenocarcinoma. <i>Nature</i> , 2017, 545, 355-359.	27.8	265
6	In vivo genome editing and organoid transplantation models of colorectal cancer and metastasis. <i>Nature Biotechnology</i> , 2017, 35, 569-576.	17.5	248
7	Notum produced by Paneth cells attenuates regeneration of aged intestinal epithelium. <i>Nature</i> , 2019, 571, 398-402.	27.8	166
8	Functional, metabolic and transcriptional maturation of human pancreatic islets derived from stem cells. <i>Nature Biotechnology</i> , 2022, 40, 1042-1055.	17.5	135
9	NOTUM from Apc-mutant cells biases clonal competition to initiate cancer. <i>Nature</i> , 2021, 594, 430-435.	27.8	122
10	LKB1 signaling in mesenchymal cells required for suppression of gastrointestinal polyposis. <i>Nature Genetics</i> , 2008, 40, 455-459.	21.4	110
11	Depletion of Rictor, an essential protein component of mTORC2, decreases male lifespan. <i>Aging Cell</i> , 2014, 13, 911-917.	6.7	99
12	Tumor suppressor function of Liver kinase B1 (Lkb1) is linked to regulation of epithelial integrity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E388-97.	7.1	89
13	Suppression of Peutz-Jeghers polyposis by inhibition of cyclooxygenase-2. <i>Gastroenterology</i> , 2004, 127, 1030-1037.	1.3	88
14	The LKB1 tumor suppressor kinase in human disease. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2007, 1775, 63-75.	7.4	72
15	Stromal Lkb1 deficiency leads to gastrointestinal tumorigenesis involving the IL-11/JAK/STAT3 pathway. <i>Journal of Clinical Investigation</i> , 2017, 128, 402-414.	8.2	56
16	Metabolic determination of cell fate through selective inheritance of mitochondria. <i>Nature Cell Biology</i> , 2022, 24, 148-154.	10.3	46
17	Intestinal estrogen receptor beta suppresses colon inflammation and tumorigenesis in both sexes. <i>Cancer Letters</i> , 2020, 492, 54-62.	7.2	42
18	Lkb1 is required for TGF $\beta$ -mediated myofibroblast differentiation. <i>Journal of Cell Science</i> , 2008, 121, 3531-3540.	2.0	36

#	ARTICLE	IF	CITATIONS
19	LKB1 in endothelial cells is required for angiogenesis and TGF $\beta$ 2-mediated vascular smooth muscle cell recruitment. <i>Development (Cambridge)</i> , 2008, 135, 2331-2338.	2.5	36
20	Mutation analysis of three genes encoding novel LKB1-interacting proteins, BRG1, STRAD $1\pm$ , and MO25 $1\pm$ , in Peutz-Jeghers syndrome. <i>British Journal of Cancer</i> , 2005, 92, 1126-1129.	6.4	29
21	LKB1 Represses ATOH1 via PDK4 and Energy Metabolism and Regulates Intestinal Stem Cell Fate. <i>Gastroenterology</i> , 2020, 158, 1389-1401.e10.	1.3	29
22	Smooth muscle-specific MMP17 (MT4-MMP) regulates the intestinal stem cell niche and regeneration after damage. <i>Nature Communications</i> , 2021, 12, 6741.	12.8	26
23	Retrograde movements determine effective stem cell numbers in the intestine. <i>Nature</i> , 2022, 607, 548-554.	27.8	26
24	The role of stem cell niche in intestinal aging. <i>Mechanisms of Ageing and Development</i> , 2020, 191, 111330.	4.6	20
25	Impaired Gastric Gland Differentiation in Peutz-Jeghers Syndrome. <i>American Journal of Pathology</i> , 2010, 176, 2467-2476.	3.8	17
26	Accumulation of Progerin Affects the Symmetry of Cell Division and Is Associated with Impaired Wnt Signaling and the Mislocalization of Nuclear Envelope Proteins. <i>Journal of Investigative Dermatology</i> , 2019, 139, 2272-2280.e12.	0.7	15
27	Latest advances in aging research and drug discovery. <i>Aging</i> , 2019, 11, 9971-9981.	3.1	13
28	Laminin alpha 5 regulates mammary gland remodeling through luminal cell differentiation and Wnt4-mediated epithelial crosstalk. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	8
29	An image analysis method for regionally defined cellular phenotyping of the Drosophila midgut. <i>Cell Reports Methods</i> , 2021, 1, 100059.	2.9	7
30	<i>WNT2</i> activation through proximal germline deletion predisposes to small intestinal neuroendocrine tumors and intestinal adenocarcinomas. <i>Human Molecular Genetics</i> , 2021, 30, 2429-2440.	2.9	6
31	Polycomb Repressive Complex 2 Regulates Genes Necessary for Intestinal Microfold Cell (M Cell) Development. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 873-889.	4.5	5