

Joseph T E Roland

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,511
citations

430874

18
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

2281
citing authors

#	ARTICLE	IF	CITATIONS
1	Rab GTPase-Myo5B complexes control membrane recycling and epithelial polarization. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2789-2794.	7.1	168
2	Unsupervised Trajectory Analysis of Single-Cell RNA-Seq and Imaging Data Reveals Alternative Tuft Cell Origins in the Gut. Cell Systems, 2018, 6, 37-51.e9.	6.2	167
3	Myosin Vb Interacts with Rab8a on a Tubular Network Containing EHD1 and EHD3. Molecular Biology of the Cell, 2007, 18, 2828-2837.	2.1	145
4	Advances in Evaluation of Chronic Diarrhea in Infants. Gastroenterology, 2018, 154, 2045-2059.e6.	1.3	129
5	Differential pre-malignant programs and microenvironment chart distinct paths to malignancy in human colorectal polyps. Cell, 2021, 184, 6262-6280.e26.	28.9	125
6	Cell lineage distribution atlas of the human stomach reveals heterogeneous gland populations in the gastric antrum. Gut, 2014, 63, 1711-1720.	12.1	119
7	Alternative Splicing in Class V Myosins Determines Association with Rab10. Journal of Biological Chemistry, 2009, 284, 1213-1223.	3.4	97
8	Loss of MYO5B in Mice Recapitulates Microvillus Inclusion Disease and Reveals an Apical Trafficking Pathway Distinct to Neonatal Duodenum. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 131-157.	4.5	63
9	Lurbinectedin Inactivates the Ewing Sarcoma Oncoprotein EWS-FLI1 by Redistributing It within the Nucleus. Cancer Research, 2016, 76, 6657-6668.	0.9	57
10	Rab11a regulates Syntaxin 3 localization and microvillus assembly in enterocytes. Journal of Cell Science, 2015, 128, 1617-26.	2.0	47
11	Targeting MYCN-expressing triple-negative breast cancer with BET and MEK inhibitors. Science Translational Medicine, 2020, 12, .	12.4	46
12	Abnormal Rab11a-Rab8a Vesicles cluster in enterocytes of patients with microvillus inclusion disease. Traffic, 2017, 18, 453-464.	2.7	45
13	MITI minimum information guidelines for highly multiplexed tissue images. Nature Methods, 2022, 19, 262-267.	19.0	37
14	Trop2 is upregulated in the transition to dysplasia in the metaplastic gastric mucosa. Journal of Pathology, 2020, 251, 336-347.	4.5	29
15	Distinct metaplastic and inflammatory phenotypes in autoimmune and adenocarcinoma-associated chronic atrophic gastritis. United European Gastroenterology Journal, 2017, 5, 37-44.	3.8	27
16	Lysophosphatidic Acid Increases Maturation of Brush Borders and SGLT1 Activity in MYO5B-deficient Mice, a Model of Microvillus Inclusion Disease. Gastroenterology, 2020, 159, 1390-1405.e20.	1.3	23
17	Novel induction of CD40 expression by tumor cells with RAS/RAF/PI3K pathway inhibition augments response to checkpoint blockade. Molecular Cancer, 2021, 20, 85.	19.2	23
18	CircleNet: Anchor-Free Glomerulus Detection with Circle Representation. Lecture Notes in Computer Science, 2020, 2020, 35-44.	1.3	23

#	ARTICLE	IF	CITATIONS
19	MIRIAM: A machine and deep learning single-cell segmentation and quantification pipeline for multi-dimensional tissue images. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2022, 101, 521-528.	1.5	23
20	MAGI-2 in prostate cancer: an immunohistochemical study. <i>Human Pathology</i> , 2016, 52, 83-91.	2.0	18
21	Unique histologic features of tonsils from patients with periodic fever, aphthous stomatitis, pharyngitis, and cervical adenitis (PFAPA) syndrome. <i>Clinical Rheumatology</i> , 2018, 37, 1309-1317.	2.2	18
22	Quantifying and correcting slide-to-slide variation in multiplexed immunofluorescence images. <i>Bioinformatics</i> , 2022, 38, 1700-1707.	4.1	16
23	Cell differentiation is disrupted by MYO5B loss through Wnt/Notch imbalance. <i>JCI Insight</i> , 2021, 6, .	5.0	13
24	Bcl2-Expressing Quiescent Type B Neural Stem Cells in the Ventricular Subventricular Zone Are Resistant to Concurrent Temozolomide/X-Irradiation. <i>Stem Cells</i> , 2019, 37, 1629-1639.	3.2	12
25	Integrin $\alpha 21$ Establishes Liver Microstructure and Modulates Transforming Growth Factor $\beta 2$ during Liver Development and Regeneration. <i>American Journal of Pathology</i> , 2021, 191, 309-319.	3.8	10
26	Clinically adaptable polymer enables simultaneous spatial analysis of colonic tissues and biofilms. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 33.	6.4	8
27	The BDNF rs6265 Polymorphism is a Modifier of Cardiomyocyte Contractility and Dilated Cardiomyopathy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7466.	4.1	6
28	MEK Inhibitor Reverses Metaplasia and Allows Re-Emergence of Normal Lineages in <i>Helicobacter pylori</i> -Infected Gerbils. <i>Gastroenterology</i> , 2019, 156, 577-581.e4.	1.3	5
29	A cross-platform informatics system for the Gut Cell Atlas: integrating clinical, anatomical and histological data. , 2021, 11601, .		4
30	Proximity of immune and tumor cells underlies response to BRAF/MEK-targeted therapies in metastatic melanoma patients. <i>Npj Precision Oncology</i> , 2022, 6, 6.	5.4	4
31	Rab11FIP1-deficient mice develop spontaneous inflammation and show increased susceptibility to colon damage. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 323, G239-G254.	3.4	2
32	Functional MYO5B Loss Disrupts Stem Cell Function and Differentiation of Secretory Cell Lineage. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
33	Inpainting missing tissue in multiplexed immunofluorescence imaging. , 2022, 12039, .		0
34	Random Multi-Channel Image Synthesis for Multiplexed Immunofluorescence Imaging.. <i>Proceedings of Machine Learning Research</i> , 2021, 156, 36-46.	0.3	0
35	A Myosin Vb Splice Variant Regulates Coronavirus M Protein Trafficking in Polarized Epithelial Cells. <i>FASEB Journal</i> , 2022, 36, .	0.5	0