

# 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	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
2	Quantifying and correcting slide-to-slide variation in multiplexed immunofluorescence images. <i>Bioinformatics</i> , 2022, 38, 1700-1707.	4.1	16
3	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
4	MITI minimum information guidelines for highly multiplexed tissue images. <i>Nature Methods</i> , 2022, 19, 262-267.	19.0	37
5	Inpainting missing tissue in multiplexed immunofluorescence imaging. , 2022, 12039, .		0
6	A Myosin Vb Splice Variant Regulates Coronavirus M Protein Trafficking in Polarized Epithelial Cells. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
7	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
8	A cross-platform informatics system for the Gut Cell Atlas: integrating clinical, anatomical and histological data. , 2021, 11601, .		4
9	Integrin $\beta$ 1 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
10	Functional MYO5B Loss Disrupts Stem Cell Function and Differentiation of Secretory Cell Lineage. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
11	Novel induction of CD40 expression by tumor cells with RAS/RAF/PI3K pathway inhibition augments response to checkpoint blockade. <i>Molecular Cancer</i> , 2021, 20, 85.	19.2	23
12	Cell differentiation is disrupted by MYO5B loss through Wnt/Notch imbalance. <i>JCI Insight</i> , 2021, 6, .	5.0	13
13	Differential pre-malignant programs and microenvironment chart distinct paths to malignancy in human colorectal polyps. <i>Cell</i> , 2021, 184, 6262-6280.e26.	28.9	125
14	Random Multi-Channel Image Synthesis for Multiplexed Immunofluorescence Imaging.. <i>Proceedings of Machine Learning Research</i> , 2021, 156, 36-46.	0.3	0
15	Clinically adaptable polymer enables simultaneous spatial analysis of colonic tissues and biofilms. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 33.	6.4	8
16	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
17	Trop2 is upregulated in the transition to dysplasia in the metaplastic gastric mucosa. <i>Journal of Pathology</i> , 2020, 251, 336-347.	4.5	29
18	Lysophosphatidic Acid Increases Maturation of Brush Borders and SGLT1 Activity in MYO5B-deficient Mice, a Model of Microvillus Inclusion Disease. <i>Gastroenterology</i> , 2020, 159, 1390-1405.e20.	1.3	23

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19	Targeting MYCN-expressing triple-negative breast cancer with BET and MEK inhibitors. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	46
20	CircleNet: Anchor-Free Glomerulus Detection with Circle Representation. <i>Lecture Notes in Computer Science</i> , 2020, 2020, 35-44.	1.3	23
21	Bcl2-Expressing Quiescent Type B Neural Stem Cells in the Ventricularâ€“Subventricular Zone Are Resistant to Concurrent Temozolomide/X-Irradiation. <i>Stem Cells</i> , 2019, 37, 1629-1639.	3.2	12
22	MEK Inhibitor Reverses Metaplasia and Allows Re-Emergence of Normal Lineages in <i>Helicobacter pylori</i> â€“Infected Gerbils. <i>Gastroenterology</i> , 2019, 156, 577-581.e4.	1.3	5
23	Advances in Evaluation of Chronic Diarrhea in Infants. <i>Gastroenterology</i> , 2018, 154, 2045-2059.e6.	1.3	129
24	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
25	Unsupervised Trajectory Analysis of Single-Cell RNA-Seq and Imaging Data Reveals Alternative Tuft Cell Origins in the Gut. <i>Cell Systems</i> , 2018, 6, 37-51.e9.	6.2	167
26	Distinct metaplastic and inflammatory phenotypes in autoimmune and adenocarcinomaâ€“associated chronic atrophic gastritis. <i>United European Gastroenterology Journal</i> , 2017, 5, 37-44.	3.8	27
27	Abnormal Rab11â€“Rab8â€“Vesicles cluster in enterocytes of patients with microvillus inclusion disease. <i>Traffic</i> , 2017, 18, 453-464.	2.7	45
28	Lurbinectedin Inactivates the Ewing Sarcoma Oncoprotein EWS-FLI1 by Redistributing It within the Nucleus. <i>Cancer Research</i> , 2016, 76, 6657-6668.	0.9	57
29	Loss of MYO5B in Mice Recapitulates Microvillus Inclusion Disease and Reveals an Apical Trafficking Pathway Distinct to Neonatal Duodenum. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 131-157.	4.5	63
30	MAGI-2 in prostate cancer: an immunohistochemical study. <i>Human Pathology</i> , 2016, 52, 83-91.	2.0	18
31	Rab11a regulates Syntaxin 3 localization and microvillus assembly in enterocytes. <i>Journal of Cell Science</i> , 2015, 128, 1617-26.	2.0	47
32	Cell lineage distribution atlas of the human stomach reveals heterogeneous gland populations in the gastric antrum. <i>Gut</i> , 2014, 63, 1711-1720.	12.1	119
33	Rab GTPaseâ€“Myo5B complexes control membrane recycling and epithelial polarization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2789-2794.	7.1	168
34	Alternative Splicing in Class V Myosins Determines Association with Rab10. <i>Journal of Biological Chemistry</i> , 2009, 284, 1213-1223.	3.4	97
35	Myosin Vb Interacts with Rab8a on a Tubular Network Containing EHD1 and EHD3. <i>Molecular Biology of the Cell</i> , 2007, 18, 2828-2837.	2.1	145