

# R Michael Angelo

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

3,492  
citations

516710

16  
h-index

580821

25  
g-index

41  
all docs

41  
docs citations

41  
times ranked

4423  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplexed ion beam imaging of human breast tumors. <i>Nature Medicine</i> , 2014, 20, 436-442.	30.7	881
2	A Structured Tumor-Immune Microenvironment in Triple Negative Breast Cancer Revealed by Multiplexed Ion Beam Imaging. <i>Cell</i> , 2018, 174, 1373-1387.e19.	28.9	729
3	Whole-cell segmentation of tissue images with human-level performance using large-scale data annotation and deep learning. <i>Nature Biotechnology</i> , 2022, 40, 555-565.	17.5	297
4	MIBI-TOF: A multiplexed imaging platform relates cellular phenotypes and tissue structure. <i>Science Advances</i> , 2019, 5, eaax5851.	10.3	252
5	Single-cell metabolic profiling of human cytotoxic T cells. <i>Nature Biotechnology</i> , 2021, 39, 186-197.	17.5	187
6	Transition to invasive breast cancer is associated with progressive changes in the structure and composition of tumor stroma. <i>Cell</i> , 2022, 185, 299-310.e18.	28.9	161
7	Spatial mapping of protein composition and tissue organization: a primer for multiplexed antibody-based imaging. <i>Nature Methods</i> , 2022, 19, 284-295.	19.0	156
8	The Society for Immunotherapy of Cancer statement on best practices for multiplex immunohistochemistry (IHC) and immunofluorescence (IF) staining and validation. , 2020, 8, e000155.		140
9	The immunoregulatory landscape of human tuberculosis granulomas. <i>Nature Immunology</i> , 2022, 23, 318-329.	14.5	110
10	Immunohistochemistry and mass spectrometry for highly multiplexed cellular molecular imaging. <i>Laboratory Investigation</i> , 2015, 95, 397-405.	3.7	94
11	Glucose Metabolism Drives Histone Acetylation Landscape Transitions that Dictate Muscle Stem Cell Function. <i>Cell Reports</i> , 2019, 27, 3939-3955.e6.	6.4	94
12	Combined protein and nucleic acid imaging reveals virus-dependent B cell and macrophage immunosuppression of tissue microenvironments. <i>Immunity</i> , 2022, 55, 1118-1134.e8.	14.3	44
13	MAUI (MBI Analysis User Interface)â€™ An image processing pipeline for Multiplexed Mass Based Imaging. <i>PLoS Computational Biology</i> , 2021, 17, e1008887.	3.2	37
14	MITI minimum information guidelines for highly multiplexed tissue images. <i>Nature Methods</i> , 2022, 19, 262-267.	19.0	37
15	Deep learning-inferred multiplex immunofluorescence for immunohistochemical image quantification. <i>Nature Machine Intelligence</i> , 2022, 4, 401-412.	16.0	36
16	Mass synaptometry: High-dimensional multi parametric assay for single synapses. <i>Journal of Neuroscience Methods</i> , 2019, 312, 73-83.	2.5	26
17	Multiplexed imaging analysis of the tumor-immune microenvironment reveals predictors of outcome in triple-negative breast cancer. <i>Communications Biology</i> , 2021, 4, 852.	4.4	25
18	Multiplexed Ion Beam Imaging: Insights into Pathobiology. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2022, 17, 403-423.	22.4	16

#	ARTICLE	IF	CITATIONS
19	Reproducible, high-dimensional imaging in archival human tissue by multiplexed ion beam imaging by time-of-flight (MIBI-TOF). <i>Laboratory Investigation</i> , 2022, 102, 762-770.	3.7	16
20	Single-synapse analyses of Alzheimer's disease implicate pathologic tau, DJ1, CD47, and ApoE. <i>Science Advances</i> , 2021, 7, eabk0473.	10.3	14
21	Multiplexed Ion Beam Imaging Readout of Single-Cell Immunoblotting. <i>Analytical Chemistry</i> , 2021, 93, 8517-8525.	6.5	9
22	Multiplexed imaging reveals an IFN- $\gamma$ -driven inflammatory state in nivolumab-associated gastritis. <i>Cell Reports Medicine</i> , 2021, 2, 100419.	6.5	9
23	Mapping cell phenotypes in breast cancer. <i>Nature Cancer</i> , 2020, 1, 156-157.	13.2	5
24	High-Dimensional Tissue Profiling by Multiplexed Ion Beam Imaging. <i>Methods in Molecular Biology</i> , 2022, 2386, 147-156.	0.9	2
25	Highly multiplexed IHC in clinical tissue biopsies using multiplexed ion beam imaging. <i>Journal of Histotechnology</i> , 2016, 39, 172-172.	0.5	1
26	Virus-Dependent Immune Conditioning of Tissue Microenvironments. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
27	Evaluation of Geuenich et al.: Targeting a crucial bottleneck for analyzing single-cell multiplexed imaging data. <i>Cell Systems</i> , 2021, 12, 1121-1123.	6.2	0