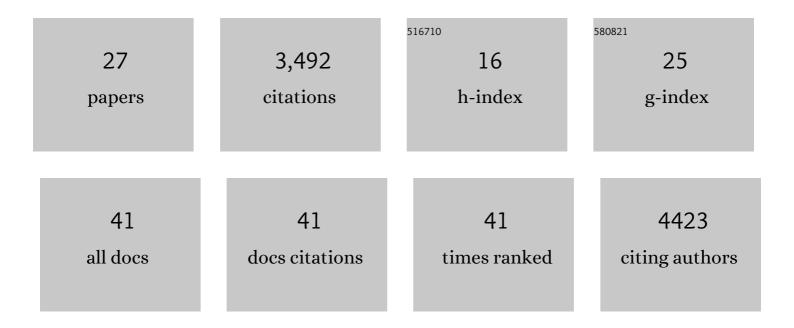
R Michael Angelo

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Multiplexed ion beam imaging of human breast tumors. Nature Medicine, 2014, 20, 436-442.	30.7	881
2	A Structured Tumor-Immune Microenvironment in Triple Negative Breast Cancer Revealed by Multiplexed Ion Beam Imaging. Cell, 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. Nature Biotechnology, 2022, 40, 555-565.	17.5	297
4	MIBI-TOF: A multiplexed imaging platform relates cellular phenotypes and tissue structure. Science Advances, 2019, 5, eaax5851.	10.3	252
5	Single-cell metabolic profiling of human cytotoxic T cells. Nature Biotechnology, 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. Cell, 2022, 185, 299-310.e18.	28.9	161
7	Spatial mapping of protein composition and tissue organization: a primer for multiplexed antibody-based imaging. Nature Methods, 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. Nature Immunology, 2022, 23, 318-329.	14.5	110
10	Immunohistochemistry and mass spectrometry for highly multiplexed cellular molecular imaging. Laboratory Investigation, 2015, 95, 397-405.	3.7	94
11	Glucose Metabolism Drives Histone Acetylation Landscape Transitions that Dictate Muscle Stem Cell Function. Cell Reports, 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. Immunity, 2022, 55, 1118-1134.e8.	14.3	44
13	MAUI (MBI Analysis User Interface)—An image processing pipeline for Multiplexed Mass Based Imaging. PLoS Computational Biology, 2021, 17, e1008887.	3.2	37
14	MITI minimum information guidelines for highly multiplexed tissue images. Nature Methods, 2022, 19, 262-267.	19.0	37
15	Deep learning-inferred multiplex immunofluorescence for immunohistochemical image quantification. Nature Machine Intelligence, 2022, 4, 401-412.	16.0	36
16	Mass synaptometry: High-dimensional multi parametric assay for single synapses. Journal of Neuroscience Methods, 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. Communications Biology, 2021, 4, 852.	4.4	25
18	Multiplexed Ion Beam Imaging: Insights into Pathobiology. Annual Review of Pathology: Mechanisms of Disease, 2022, 17, 403-423.	22.4	16

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