Matthew G Hanna

List of Publications by Year
in descending order

46 papers	2,757 citations	394421 19 h-index	206112 48 g-index
48 all docs	48 docs citations	48 times ranked	3448 citing authors

#	Article	IF	Citations
1	Clinical-grade computational pathology using weakly supervised deep learning on whole slide images. Nature Medicine, 2019, 25, 1301-1309.	30.7	1,320
2	Metastasis and Immune Evasion from Extracellular cGAMP Hydrolysis. Cancer Discovery, 2021, 11, 1212-1227.	9.4	139
3	Whole-slide imaging equivalency and efficiency study: experience at a large academic center. Modern Pathology, 2019, 32, 916-928.	5.5	134
4	Validation of a digital pathology system including remote review during the COVID-19 pandemic. Modern Pathology, 2020, 33, 2115-2127.	5.5	112
5	Pitfalls in assessing stromal tumor infiltrating lymphocytes (sTILs) in breast cancer. Npj Breast Cancer, 2020, 6, 17.	5.2	106
6	Report on computational assessment of Tumor Infiltrating Lymphocytes from the International Immuno-Oncology Biomarker Working Group. Npj Breast Cancer, 2020, 6, 16.	5.2	90
7	Implementation of Digital Pathology Offers Clinical and Operational Increase in Efficiency and Cost Savings. Archives of Pathology and Laboratory Medicine, 2019, 143, 1545-1555.	2.5	81
8	Swallowed Fluticasone Propionate Is an Effective Long-Term Maintenance Therapy for Children With Eosinophilic Esophagitis. American Journal of Gastroenterology, 2016, 111, 1187-1197.	0.4	76
9	Deep Multi-Magnification Networks for multi-class breast cancer image segmentation. Computerized Medical Imaging and Graphics, 2021, 88, 101866.	5.8	69
10	Whole Slide Imaging: Technology and Applications. Advances in Anatomic Pathology, 2020, 27, 251-259.	4.3	63
11	Comparison of glass slides and various digital-slide modalities for cytopathology screening and interpretation. Cancer Cytopathology, 2017, 125, 701-709.	2.4	59
12	Integrating digital pathology into clinical practice. Modern Pathology, 2022, 35, 152-164.	5.5	42
13	Dissecting the Business Case for Adoption and Implementation of Digital Pathology: A White Paper from the Digital Pathology Association. Journal of Pathology Informatics, 2021, 12, 17.	1.7	41
14	Overview of contemporary guidelines in digital pathology: what is available in 2015 and what still needs to be addressed?. Journal of Clinical Pathology, 2015, 68, 499-505.	2.0	39
15	Integrated digital pathology at scale: A solution for clinical diagnostics and cancer research at a large academic medical center. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1874-1884.	4.4	39
16	Introduction to Artificial Intelligence and Machine Learning for Pathology. Archives of Pathology and Laboratory Medicine, 2021, 145, 1228-1254.	2.5	35
17	Validation of mitotic cell quantification via microscopy and multiple whole-slide scanners. Diagnostic Pathology, 2019, 14, 65.	2.0	23
18	Why is digital pathology in cytopathology lagging behind surgical pathology?. Cancer Cytopathology, 2017, 125, 519-520.	2.4	23

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19	Outcome of Everolimus-Based Therapy in Hormone-Receptor-Positive Metastatic Breast Cancer Patients After Progression on Palbociclib. Breast Cancer: Basic and Clinical Research, 2020, 14, 117822342094486.	1.1	20
20	A Regulatory Science Initiative to Harmonize and Standardize Digital Pathology and Machine Learning Processes to Speed up Clinical Innovation to Patients. Journal of Pathology Informatics, 2020, 11, 22.	1.7	19
21	Digital Pathology Operations at an NYC Tertiary Cancer Center During the First 4 Months of COVID-19 Pandemic Response. Academic Pathology, 2021, 8, 23742895211010276.	1.1	18
22	A Pathologist-Annotated Dataset for Validating Artificial Intelligence: A Project Description and Pilot Study. Journal of Pathology Informatics, 2021, 12, 45.	1.7	17
23	(Re) Defining the High-Power Field for Digital Pathology. Journal of Pathology Informatics, 2020, 11, 33.	1.7	16
24	Multi-magnification-based machine learning as an ancillary tool for the pathologic assessment of shaved margins for breast carcinoma lumpectomy specimens. Modern Pathology, 2021, 34, 1487-1494.	5.5	15
25	The Future of Pathology: What can we Learn from the COVID-19 Pandemic?. Journal of Pathology Informatics, 2020, 11, 15.	1.7	15
26	Automatic quantification of HER2 gene amplification in invasive breast cancer from chromogenic in situ hybridization whole slide images. Journal of Medical Imaging, 2019, 6, 1.	1.5	14
27	Advantage of Z-stacking for teleconsultation between the USA and Colombia. Diagnostic Cytopathology, 2019, 47, 35-40.	1.0	13
28	Bar Coding and Tracking in Pathology. Surgical Pathology Clinics, 2015, 8, 123-135.	1.7	12
29	Feasibility of using the Omnyx digital pathology system for cytology practice. Journal of the American Society of Cytopathology, 2019, 8, 182-189.	0.5	11
30	Interobserver Variation of PD-L1 SP142 Immunohistochemistry Interpretation in Breast Carcinoma: A Study of 79 Cases Using Whole Slide Imaging. Archives of Pathology and Laboratory Medicine, 2021, 145, 1132-1137.	2.5	11
31	Bar Coding and Tracking in Pathology. Clinics in Laboratory Medicine, 2016, 36, 13-30.	1.4	9
32	Minimally invasive mammary Paget's disease without an underlying breast carcinoma. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2013, 463, 471-473.	2.8	8
33	Digital validation of breast biomarkers (ER, PR, AR, and HER2) in cytology specimens using three different scanners. Modern Pathology, 2022, 35, 52-59.	5.5	8
34	Smartphone applications: A contemporary resource for dermatopathology. Journal of Pathology Informatics, 2015, 6, 44.	1.7	8
35	HER2 Immunohistochemistry in Invasive Micropapillary Breast Carcinoma: Complete Assessment of an Incomplete Pattern. Archives of Pathology and Laboratory Medicine, 2021, 145, 979-987.	2.5	7
36	Current applications and challenges of artificial intelligence in pathology. Human Pathology Reports, 2022, 27, 300596.	0.3	7

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37	The role of informatics in patient‐centered care and personalized medicine. Cancer Cytopathology, 2017, 125, 494-501.	2.4	6
38	Predictive Nuclear Chromatin Characteristics of Melanoma and Dysplastic Nevi. Journal of Pathology Informatics, 2017, 8, 15.	1.7	5
39	Validation and Utility of the Free Light Chain Assay in Pleural Effusions of Patients With Multiple Myeloma. Clinical Lymphoma, Myeloma and Leukemia, 2016, 16, e113-e117.	0.4	4
40	Reply to Why is digital pathology in cytopathology lagging behind surgical pathology?. Cancer Cytopathology, 2017, 125, 732-732.	2.4	4
41	Pathology Informatics Education during the COVID-19 Pandemic at Memorial Sloan Kettering Cancer Center (MSKCC). Acta Medica Academica, 2021, 50, 136.	0.8	4
42	Efficient Visualization of Whole Slide Images in Web-based Viewers for Digital Pathology. Archives of Pathology and Laboratory Medicine, 2022, 146, 1273-1280.	2.5	4
43	Development of Training Materials for Pathologists to Provide Machine Learning Validation Data of Tumor-Infiltrating Lymphocytes in Breast Cancer. Cancers, 2022, 14, 2467.	3.7	4
44	Career Paths of Pathology Informatics Fellowship Alumni. Journal of Pathology Informatics, 2018, 9, 14.	1.7	2
45	Photo Quiz: Hematuria in a 26-Year-Old Male with AIDS. Journal of Clinical Microbiology, 2018, 56, .	3.9	1
46	Answer to May 2018 Photo Quiz. Journal of Clinical Microbiology, 2018, 56, .	3.9	1