List of Publications by Year
in descending order

43	16,738	172386	289141
43 papers	**16,738** citations	**29** h-index	**40** g-index
43 all docs	**43** docs citations	**43** times ranked	**18893** citing authors

#	Article	IF	Citations
1	Streaming Convolutional Neural Networks for End-to-End Learning With Multi-Megapixel Images. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 1581-1590.	9.7	28
2	Using deep learning for quantification of cellularity and cell lineages in bone marrow biopsies and comparison to normal age-related variation. Pathology, 2022, 54, 318-327.	0.3	6
3	Artificial intelligence for diagnosis and Gleason grading of prostate cancer: the PANDA challenge. Nature Medicine, 2022, 28, 154-163.	15.2	143
4	Automated quantification of levels of breast terminal duct lobular (TDLU) involution using deep learning. Npj Breast Cancer, 2022, 8, 13.	2.3	6
5	Automatic tumour segmentation in H&E-stained whole-slide images of the pancreas.. , 2022, , .		0
6	A Decade of *GigaScience*: The Challenges of Gigapixel Pathology Images. GigaScience, 2022, 11, .	3.3	3
7	Predicting biochemical recurrence of prostate cancer with artificial intelligence. Communications Medicine, 2022, 2, .	1.9	8
8	Prostate158 - An expert-annotated 3T MRI dataset and algorithm for prostate cancer detection. Computers in Biology and Medicine, 2022, 148, 105817.	3.9	17
9	Artificial intelligence to detect MYC translocation in slides of diffuse large B-cell lymphoma. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2021, 479, 617-621.	1.4	14
10	Artificial intelligence assistance significantly improves Gleason grading of prostate biopsies by pathologists. Modern Pathology, 2021, 34, 660-671.	2.9	84
11	Deep Learning Methods for Lung Cancer Segmentation in Whole-Slide Histopathology Images—The ACDC@LungHP Challenge 2019. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 429-440.	3.9	51
12	Neural Image Compression for Gigapixel Histopathology Image Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 567-578.	9.7	125
13	Optimized tumour infiltrating lymphocyte assessment for triple negative breast cancer prognostics. Breast, 2021, 56, 78-87.	0.9	18
14	Deep learning in histopathology: the path to the clinic. Nature Medicine, 2021, 27, 775-784.	15.2	355
15	Residual cyclegan for robust domain transformation of histopathological tissue slides. Medical Image Analysis, 2021, 70, 102004.	7.0	48
16	Artificial Intelligence for Diagnosis and Gleason Grading of Prostate Cancer in Biopsies—Current Status and Next Steps. European Urology Focus, 2021, 7, 687-691.	1.6	18
17	Detection of Prostate Cancer in Whole-Slide Images Through End-to-End Training With Image-Level Labels. IEEE Transactions on Medical Imaging, 2021, 40, 1817-1826.	5.4	48
18	Automated deep-learning system for Gleason grading of prostate cancer using biopsies: a diagnostic study. Lancet Oncology, The, 2020, 21, 233-241.	5.1	407

#	Article	IF	Citations
19	The 2019 International Society of Urological Pathology (ISUP) Consensus Conference on Grading of Prostatic Carcinoma. American Journal of Surgical Pathology, 2020, 44, e87-e99.	2.1	292
20	Impact of rescanning and normalization on convolutional neural network performance in multi-center, whole-slide classification of prostate cancer. Scientific Reports, 2020, 10, 14398.	1.6	40
21	Predicting MYC translocation in HE specimens of diffuse large B-cell lymphoma through deep learning. , 2020, , .		2
22	State-of-the-Art Deep Learning in Cardiovascular Image Analysis. JACC: Cardiovascular Imaging, 2019, 12, 1549-1565.	2.3	238
23	No pixel-level annotations needed. Nature Biomedical Engineering, 2019, 3, 855-856.	11.6	14
24	Quantifying the effects of data augmentation and stain color normalization in convolutional neural networks for computational pathology. Medical Image Analysis, 2019, 58, 101544.	7.0	311
25	Learning to detect lymphocytes in immunohistochemistry with deep learning. Medical Image Analysis, 2019, 58, 101547.	7.0	98
26	Epithelium segmentation using deep learning in H&E-stained prostate specimens with immunohistochemistry as reference standard. Scientific Reports, 2019, 9, 864.	1.6	107
27	From Detection of Individual Metastases to Classification of Lymph Node Status at the Patient Level: The CAMELYON17 Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 550-560.	5.4	269
28	Robust and accurate quantification of biomarkers of immune cells in lung cancer micro-environment using deep convolutional neural networks. PeerJ, 2019, 7, e6335.	0.9	24
29	Resolution-agnostic tissue segmentation in whole-slide histopathology images with convolutional neural networks. PeerJ, 2019, 7, e8242.	0.9	39
30	Whole-Slide Mitosis Detection in H&E Breast Histology Using PHH3 as a Reference to Train Distilled Stain-Invariant Convolutional Networks. IEEE Transactions on Medical Imaging, 2018, 37, 2126-2136.	5.4	184
31	1399 H&E-stained sentinel lymph node sections of breast cancer patients: the CAMELYON dataset. GigaScience, 2018, 7, .	3.3	221
32	Using deep learning to segment breast and fibroglandular tissue in MRI volumes. Medical Physics, 2017, 44, 533-546.	1.6	173
33	A survey on deep learning in medical image analysis. Medical Image Analysis, 2017, 42, 60-88.	7.0	7,976
34	Diagnostic Assessment of Deep Learning Algorithms for Detection of Lymph Node Metastases in Women With Breast Cancer. JAMA - Journal of the American Medical Association, 2017, 318, 2199.	3.8	2,003
35	Comparison of different methods for tissue segmentation in histopathological whole-slide images. , 2017, , .		29
36	Location Sensitive Deep Convolutional Neural Networks for Segmentation of White Matter Hyperintensities. Scientific Reports, 2017, 7, 5110.	1.6	171

#	Article	IF	Citations
37	Large scale deep learning for computer aided detection of mammographic lesions. Medical Image Analysis, 2017, 35, 303-312.	7.0	728
38	Context-aware stacked convolutional neural networks for classification of breast carcinomas in whole-slide histopathology images. Journal of Medical Imaging, 2017, 4, 1.	0.8	126
39	Deep learning as a tool for increased accuracy and efficiency of histopathological diagnosis. Scientific Reports, 2016, 6, 26286.	1.6	764
40	Automated Detection of DCIS in Whole-Slide H&E Stained Breast Histopathology Images. IEEE Transactions on Medical Imaging, 2016, 35, 2141-2150.	5.4	68
41	Pulmonary Nodule Detection in CT Images: False Positive Reduction Using Multi-View Convolutional Networks. IEEE Transactions on Medical Imaging, 2016, 35, 1160-1169.	5.4	926
42	Stain Specific Standardization of Whole-Slide Histopathological Images. IEEE Transactions on Medical Imaging, 2016, 35, 404-415.	5.4	218
43	Computer-Aided Detection of Prostate Cancer in MRI. IEEE Transactions on Medical Imaging, 2014, 33, 1083-1092.	5.4	338