Simon Graham

List of Publications by Year
in descending order

18
papers	2,152
citations	687220
13
h-index	1058333
14
g-index
20
all docs	20
docs citations	20
times ranked	1627
citing authors

#	Article	IF	Citations
1	Hover-Net: Simultaneous segmentation and classification of nuclei in multi-tissue histology images. Medical Image Analysis, 2019, 58, 101563.	7.0	562
2	A Multi-Organ Nucleus Segmentation Challenge. IEEE Transactions on Medical Imaging, 2020, 39, 1380-1391.	5.4	259
3	MILD-Net: Minimal information loss dilated network for gland instance segmentation in colon histology images. Medical Image Analysis, 2019, 52, 199-211.	7.0	208
4	Predicting breast tumor proliferation from whole-slide images: The TUPAC16 challenge. Medical Image Analysis, 2019, 54, 111-121.	7.0	182
5	Methods for Segmentation and Classification of Digital Microscopy Tissue Images. Frontiers in Bioengineering and Biotechnology, 2019, 7, 53.	2.0	169
6	Micro-Net: A unified model for segmentation of various objects in microscopy images. Medical Image Analysis, 2019, 52, 160-173.	7.0	168
7	Development and validation of a weakly supervised deep learning framework to predict the status of molecular pathways and key mutations in colorectal cancer from routine histology images: a retrospective study. The Lancet Digital Health, 2021, 3, e763-e772.	5.9	128
8	CGC-Net: Cell Graph Convolutional Network for Grading of Colorectal Cancer Histology Images. , 2019, , .		94
9	Fast ScanNet: Fast and Dense Analysis of Multi-Gigapixel Whole-Slide Images for Cancer Metastasis Detection. IEEE Transactions on Medical Imaging, 2019, 38, 1948-1958.	5.4	84
10	MoNuSAC2020: A Multi-Organ Nuclei Segmentation and Classification Challenge. IEEE Transactions on Medical Imaging, 2021, 40, 3413-3423.	5.4	71
11	Lizard: A Large-Scale Dataset for Colonic Nuclear Instance Segmentation and Classification. , 2021, , .		50
12	Dense Steerable Filter CNNs for Exploiting Rotational Symmetry in Histology Images. IEEE Transactions on Medical Imaging, 2020, 39, 4124-4136.	5.4	45
13	Capturing Cellular Topology in Multi-Gigapixel Pathology Images. , 2020, , .		35
14	Semantic annotation for computational pathology: multidisciplinary experience and best practice recommendations. Journal of Pathology: Clinical Research, 2022, 8, 116-128.	1.3	20
15	SAFRON: Stitching Across the Frontier Network for Generating Colorectal Cancer Histology Images. Medical Image Analysis, 2022, 77, 102337.	7.0	16
16	Leveraging Unlabeled Whole-Slide-Images for Mitosis Detection. Lecture Notes in Computer Science, 2018, , 69-77.	1.0	14
17	Rota-Net: Rotation Equivariant Network for Simultaneous Gland and Lumen Segmentation in Colon Histology Images. Lecture Notes in Computer Science, 2019, , 109-116.	1.0	13
18	Simultaneous Nuclear Instance and Layer Segmentation in Oral Epithelial Dysplasia. , 2021, , .		13