Ahmad Chaddad

List of Publications by Year
in descending order

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58 papers	1,555 citations	331538 21 h-index	330025 37 g-index
59 all docs	59 docs citations	59 times ranked	2370 citing authors

#	Article	IF	Citations
1	Deep radiomic signature with immune cell markers predicts the survival of glioma patients. Neurocomputing, 2022, 469, 366-375.	3.5	13
2	Deep Radiomic Analysis for Predicting Coronavirus Disease 2019 in Computerized Tomography and X-Ray Images. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3-11.	7.2	16
3	Modeling Texture in Deep 3D CNN for Survival Analysis. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2454-2462.	3.9	16
4	AutoEncoder for Neuroimage. Lecture Notes in Computer Science, 2021, , 84-90.	1.0	1
5	Magnetic Resonance Imaging Based Radiomic Models of Prostate Cancer: A Narrative Review. Cancers, 2021, 13, 552.	1.7	21
6	Modeling of Textures to Predict Immune Cell Status and Survival of Brain Tumour Patients. , 2021, , .		2
7	Future artificial intelligence tools and perspectives in medicine. Current Opinion in Urology, 2021, 31, 371-377.	0.9	6
8	Can Autism Be Diagnosed with Artificial Intelligence? A Narrative Review. Diagnostics, 2021, 11, 2032.	1.3	9
9	Deep Radiomic Analysis to Predict Gleason Score in Prostate Cancer. IEEE Access, 2020, 8, 167767-167778.	2.6	22
10	Glioma Grading via Analysis of Digital Pathology Images Using Machine Learning. Cancers, 2020, 12, 578.	1.7	40
11	Multimodal Ensemble-Based Segmentation of White Matter Lesions and Analysis of Their Differential Characteristics across Major Brain Regions. Applied Sciences (Switzerland), 2020, 10, 1903.	1.3	0
12	Combined Long-Term Androgen Deprivation and Pelvic Radiotherapy in the Post-operative Management of Pathologically Defined High-Risk Prostate Cancer Patients: Results of the Prospective Phase II McGill 0913 Study. Frontiers in Oncology, 2020, 10, 312.	1.3	3
13	Image Magnification Based on Bicubic Approximation with Edge as Constraint. Applied Sciences (Switzerland), 2020, 10, 1865.	1.3	0
14	Imaging Signature of 1p/19q Co-deletion Status Derived via Machine Learning in Lower Grade Glioma. Lecture Notes in Computer Science, 2020, , 61-69.	1.0	4
15	Deep Discriminative Learning for Autism Spectrum Disorder Classification. Lecture Notes in Computer Science, 2020, , 435-443.	1.0	5
16	Deep Radiomic Features from MRI Scans Predict Survival Outcome of Recurrent Glioblastoma. Lecture Notes in Computer Science, 2020, , 36-43.	1.0	1
17	Integration of Radiomic and Multi-omic Analyses Predicts Survival of Newly Diagnosed IDH1 Wild-Type Glioblastoma. Cancers, 2019, 11, 1148.	1.7	41
18	Deep Radiomic Analysis Based on Modeling Information Flow in Convolutional Neural Networks. IEEE Access, 2019, 7, 97242-97252.	2.6	22

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19	Segmentation and Grade Prediction of Colon Cancer Digital Pathology Images Across Multiple Institutions. Cancers, 2019, 11, 1700.	1.7	24
20	Temozolomide Induced Hypermutation in Glioma: Evolutionary Mechanisms and Therapeutic Opportunities. Frontiers in Oncology, 2019, 9, 41.	1.3	109
21	Predicting the Gene Status and Survival Outcome of Lower Grade Glioma Patients With Multimodal MRI Features. IEEE Access, 2019, 7, 75976-75984.	2.6	25
22	Radiomics in Glioblastoma: Current Status and Challenges Facing Clinical Implementation. Frontiers in Oncology, 2019, 9, 374.	1.3	132
23	Does Interfraction Cone Beam Computed Tomography Improve Target Localization in Prostate Bed Radiotherapy?. Technology in Cancer Research and Treatment, 2019, 18, 153303381983196.	0.8	3
24	Novel Radiomic Features Based on Joint Intensity Matrices for Predicting Glioblastoma Patient Survival Time. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 795-804.	3.9	65
25	Deep Radiomic Analysis of MRI Related to Alzheimerâ€™s Disease. IEEE Access, 2018, 6, 58213-58221.	2.6	67
26	Radiomics Analysis of Subcortical Brain Regions Related to Alzheimer Disease. , 2018, , .		7
27	Predicting Gleason Score of Prostate Cancer Patients Using Radiomic Analysis. Frontiers in Oncology, 2018, 8, 630.	1.3	72
28	Multimodal Radiomic Features for the Predicting Gleason Score of Prostate Cancer. Cancers, 2018, 10, 249.	1.7	88
29	Radiomics Evaluation of Histological Heterogeneity Using Multiscale Textures Derived From 3D Wavelet Transformation of Multispectral Images. Frontiers in Oncology, 2018, 8, 96.	1.3	44
30	Prediction of survival with multi-scale radiomic analysis in glioblastoma patients. Medical and Biological Engineering and Computing, 2018, 56, 2287-2300.	1.6	69
31	Multi-scale radiomic analysis of sub-cortical regions in MRI related to autism, gender and age. Scientific Reports, 2017, 7, 45639.	1.6	46
32	Texture Analysis of Abnormal Cell Images for Predicting the Continuum of Colorectal Cancer. Analytical Cellular Pathology, 2017, 2017, 1-13.	0.7	16
33	Hippocampus and amygdala radiomic biomarkers for the study of autism spectrum disorder. BMC Neuroscience, 2017, 18, 52.	0.8	81
34	Predicting survival time of lung cancer patients using radiomic analysis. Oncotarget, 2017, 8, 104393-104407.	0.8	54
35	Classifications of Multispectral Colorectal Cancer Tissues Using Convolution Neural Network. Journal of Pathology Informatics, 2017, 8, 1.	0.8	53
36	GBM heterogeneity characterization by radiomic analysis of phenotype anatomical planes. Proceedings of SPIE, 2016, , .	0.8	1

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37	Spatially constrained sparse regression for the data-driven discovery of Neuroimaging biomarkers. , 2016, , .		0
38	Multispectral texture analysis of histopathological abnormalities in colorectal tissues. , 2016, , .		2
39	Local discriminative characterization of MRI for Alzheimer's disease. , 2016, , .		6
40	A quantitative study of shape descriptors from glioblastoma multiforme phenotypes for predicting survival outcome. British Journal of Radiology, 2016, 89, 20160575.	1.0	39
41	Radiomic analysis of multi-contrast brain MRI for the prediction of survival in patients with glioblastoma multiforme. , 2016, 2016, 4035-4038.		19
42	Phenotypic characterization of glioblastoma identified through shape descriptors. Proceedings of SPIE, 2016, , .	0.8	0
43	Extracted magnetic resonance texture features discriminate between phenotypes and are associated with overall survival in glioblastoma multiforme patients. Medical and Biological Engineering and Computing, 2016, 54, 1707-1718.	1.6	50
44	Quantitative evaluation of robust skull stripping and tumor detection applied to axial MR images. Brain Informatics, 2016, 3, 53-61.	1.8	54
45	Multi Texture Analysis of Colorectal Cancer Continuum Using Multispectral Imagery. PLoS ONE, 2016, 11, e0149893.	1.1	40
46	Real-time abnormal cell detection using a deformable snake model. Health and Technology, 2015, 5, 179-187.	2.1	6
47	Automated Feature Extraction in Brain Tumor by Magnetic Resonance Imaging Using Gaussian Mixture Models. International Journal of Biomedical Imaging, 2015, 2015, 1-11.	3.0	71
48	High-Throughput Quantification of Phenotype Heterogeneity Using Statistical Features. Advances in Bioinformatics, 2015, 2015, 1-7.	5.7	11
49	Comparison of segmentation techniques for histopathological images. , 2015, , .		5
50	Radiomics texture feature extraction for characterizing GBM phenotypes using GLCM. , 2015, , .		24
51	Low-noise transimpedance amplifier dedicated to biomedical devices: Near infrared spectroscopy system. , 2014, , .		5
52	Segmentation of abnormal cells by using level set model. , 2014, , .		0
53	Quantitative texture analysis for Glioblastoma phenotypes discrimination. , 2014, , .		10
54	Survival analysis of pre-operative GBM patients by using quantitative image features. , 2014, , .		1

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55	Brain tumor identification using Gaussian Mixture Model features and Decision Trees classifier. , 2014, , .		11
56	Statistical feature selection for enhanced detection of brain tumor. , 2014, , .		6
57	Brain function evaluation using enhanced fNIRS signals extraction. , 2014, , .		3
58	Extraction of Haralick Features from Segmented Texture Multispectral Bio-Images for Detection of Colon Cancer Cells. , 2011, , .		13