

# Chintan Parmar

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

14,541  
citations

201674

27  
h-index

454955

30  
g-index

33  
all docs

33  
docs citations

33  
times ranked

14474  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational Radiomics System to Decode the Radiographic Phenotype. <i>Cancer Research</i> , 2017, 77, e104-e107.	0.9	3,458
2	Decoding tumour phenotype by noninvasive imaging using a quantitative radiomics approach. <i>Nature Communications</i> , 2014, 5, 4006.	12.8	3,355
3	Artificial intelligence in radiology. <i>Nature Reviews Cancer</i> , 2018, 18, 500-510.	28.4	1,953
4	Machine Learning methods for Quantitative Radiomic Biomarkers. <i>Scientific Reports</i> , 2015, 5, 13087.	3.3	744
5	Robust Radiomics Feature Quantification Using Semiautomatic Volumetric Segmentation. <i>PLoS ONE</i> , 2014, 9, e102107.	2.5	488
6	Deep learning for lung cancer prognostication: A retrospective multi-cohort radiomics study. <i>PLoS Medicine</i> , 2018, 15, e1002711.	8.4	385
7	Radiomic feature clusters and Prognostic Signatures specific for Lung and Head & Neck cancer. <i>Scientific Reports</i> , 2015, 5, 11044.	3.3	384
8	Deep Learning Predicts Lung Cancer Treatment Response from Serial Medical Imaging. <i>Clinical Cancer Research</i> , 2019, 25, 3266-3275.	7.0	364
9	Predicting response to cancer immunotherapy using noninvasive radiomic biomarkers. <i>Annals of Oncology</i> , 2019, 30, 998-1004.	1.2	361
10	Stability of FDG-PET Radiomics features: An integrated analysis of test-retest and inter-observer variability. <i>Acta Oncologica</i> , 2013, 52, 1391-1397.	1.8	353
11	Radiomic Machine-Learning Classifiers for Prognostic Biomarkers of Head and Neck Cancer. <i>Frontiers in Oncology</i> , 2015, 5, 272.	2.8	318
12	Somatic Mutations Drive Distinct Imaging Phenotypes in Lung Cancer. <i>Cancer Research</i> , 2017, 77, 3922-3930.	0.9	307
13	Exploratory Study to Identify Radiomics Classifiers for Lung Cancer Histology. <i>Frontiers in Oncology</i> , 2016, 6, 71.	2.8	306
14	Defining the biological basis of radiomic phenotypes in lung cancer. <i>ELife</i> , 2017, 6, .	6.0	258
15	Deep Learning for Fully-Automated Localization and Segmentation of Rectal Cancer on Multiparametric MR. <i>Scientific Reports</i> , 2017, 7, 5301.	3.3	206
16	Volumetric CT-based segmentation of NSCLC using 3D-Slicer. <i>Scientific Reports</i> , 2013, 3, 3529.	3.3	168
17	Associations Between Somatic Mutations and Metabolic Imaging Phenotypes in Non-Small Cell Lung Cancer. <i>Journal of Nuclear Medicine</i> , 2017, 58, 569-576.	5.0	131
18	Data Analysis Strategies in Medical Imaging. <i>Clinical Cancer Research</i> , 2018, 24, 3492-3499.	7.0	115

#	ARTICLE	IF	CITATIONS
19	Radiographic prediction of meningioma grade by semantic and radiomic features. PLoS ONE, 2017, 12, e0187908.	2.5	109
20	Deep convolutional neural networks to predict cardiovascular risk from computed tomography. Nature Communications, 2021, 12, 715.	12.8	101
21	Machine (Deep) Learning Methods for Image Processing and Radiomics. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 104-108.	3.7	89
22	Associations between radiologist-defined semantic and automatically computed radiomic features in non-small cell lung cancer. Scientific Reports, 2017, 7, 3519.	3.3	87
23	Associations of Radiomic Data Extracted from Static and Respiratory-Gated CT Scans with Disease Recurrence in Lung Cancer Patients Treated with SBRT. PLoS ONE, 2017, 12, e0169172.	2.5	87
24	Prognostic value of metabolic metrics extracted from baseline positron emission tomography images in non-small cell lung cancer. Acta Oncologica, 2013, 52, 1398-1404.	1.8	44
25	Impact of experimental design on PET radiomics in predicting somatic mutation status. European Journal of Radiology, 2017, 97, 8-15.	2.6	44
26	Application of the 3D slicer chest imaging platform segmentation algorithm for large lung nodule delineation. PLoS ONE, 2017, 12, e0178944.	2.5	35
27	Radiomics of Coronary Artery Calcium in the Framingham Heart Study. Radiology: Cardiothoracic Imaging, 2020, 2, e190119.	2.5	22
28	Formulation and optimization of enteric coated bilayer tablets of mesalamine by RSM: In vitro " In vivo investigations and roentgenographic study. Journal of Drug Delivery Science and Technology, 2018, 44, 388-398.	3.0	15
29	TUâ€CDâ€BRBâ€02: BEST IN PHYSICS (JOINT IMAGINGâ€THERAPY): Identification of Molecular Phenotypes by Integrating Radiomics and Genomics. Medical Physics, 2015, 42, 3602-3602.	3.0	0
30	MO-DE-207B-01: JACK FOWLER JUNIOR INVESTIGATOR COMPETITION WINNER: Between Somatic Mutations and PET-Based Radiomic Features in Non-Small Cell Lung Cancer. Medical Physics, 2016, 43, 3704-3704.	3.0	0