

# Pretesh R Patel

## List of Publications by Year in descending order

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75  
papers

1,768  
citations

293460

24  
h-index

325983

40  
g-index

75  
all docs

75  
docs citations

75  
times ranked

2522  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Metastasectomy and Aggressive Local Therapy in Newly Diagnosed Metastatic Soft Tissue Sarcoma: An Analysis of the NCDDB. <i>Annals of Surgical Oncology</i> , 2022, 29, 649-659.	0.7	5
2	Dosimetric Uncertainties in Dominant Intraprostatic Lesion Simultaneous Boost Using Intensity Modulated Proton Therapy. <i>Advances in Radiation Oncology</i> , 2022, 7, 100826.	0.6	5
3	Neoadjuvant treatment of pancreatic carcinosarcoma: a case report and review of literature. <i>Chinese Clinical Oncology</i> , 2022, 11, 8-8.	0.4	3
4	Machine learning for tracking planned versus delivered dose in pancreas SBRT.. <i>Journal of Clinical Oncology</i> , 2022, 40, 561-561.	0.8	0
5	Impact of rectal spacer on toxicity reduction in men treated with proton versus photon therapy.. <i>Journal of Clinical Oncology</i> , 2022, 40, 247-247.	0.8	0
6	Longitudinal Changes in U.S. Parameters of Neurovascular Bundles Suggest Mechanism for Radiation-Induced Erectile Dysfunction. <i>Advances in Radiation Oncology</i> , 2022, 7, 100946.	0.6	4
7	Biomechanically constrained non-rigid MR-TRUS prostate registration using deep learning based 3D point cloud matching. <i>Medical Image Analysis</i> , 2021, 67, 101845.	7.0	33
8	Deformable MR-CT prostate registration using biomechanically constrained deep learning networks. <i>Medical Physics</i> , 2021, 48, 253-263.	1.6	27
9	Male pelvic CT multi-organ segmentation using synthetic MRI-aided dual pyramid networks. <i>Physics in Medicine and Biology</i> , 2021, 66, 085007.	1.6	9
10	<sup>18</sup> F-fluciclovine-PET/CT imaging versus conventional imaging alone to guide postprostatectomy salvage radiotherapy for prostate cancer (EMPIRE-1): a single centre, open-label, phase 2/3 randomised controlled trial. <i>Lancet, The</i> , 2021, 397, 1895-1904.	6.3	107
11	Male pelvic multi-organ segmentation on transrectal ultrasound using anchor-free mask CNN. <i>Medical Physics</i> , 2021, 48, 3055-3064.	1.6	11
12	Self-supervised learning for accelerated 3D high-resolution ultrasound imaging. <i>Medical Physics</i> , 2021, 48, 3916-3926.	1.6	7
13	Learning-based dose prediction for pancreatic stereotactic body radiation therapy using dual pyramid adversarial network. <i>Physics in Medicine and Biology</i> , 2021, 66, 125019.	1.6	12
14	Early Comparative Toxicity Outcomes of Patients With Prostate Cancer Receiving Initial Cryotherapy and Radiotherapy Salvage. <i>Clinical Genitourinary Cancer</i> , 2021, 19, 267-270.e1.	0.9	2
15	ASO Author Reflections: Evolving Surgical Role in Metastatic Soft Tissue Sarcoma. <i>Annals of Surgical Oncology</i> , 2021, , 1.	0.7	0
16	Small-Cell Carcinoma of the Prostate: Report of Outcomes of Localized Disease Using the National Cancer Database. <i>Clinical Genitourinary Cancer</i> , 2021, 19, e193-e199.	0.9	1
17	Patient-reported outcomes after Low-dose-rate versus High-dose-rate brachytherapy boost in combination with external beam radiation for intermediate and high risk prostate cancer. <i>Brachytherapy</i> , 2021, 20, 1130-1138.	0.2	3
18	ASO Visual Abstract: Impact of Metastasectomy and Aggressive Local Therapy in Newly Diagnosed Metastatic Soft Tissue Sarcoma: An Analysis of the NCDDB. <i>Annals of Surgical Oncology</i> , 2021, 28, 579-580.	0.7	0

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19	Virtual Away Rotations Increase Access to Radiation Oncology. <i>Practical Radiation Oncology</i> , 2021, 11, 325-327.	1.1	9
20	Catheter position prediction using deep learning-based multi-atlas registration for high-dose rate prostate brachytherapy. <i>Medical Physics</i> , 2021, 48, 7261-7270.	1.6	3
21	Influence of Timing between Androgen Deprivation Therapy and External Beam Radiation Therapy in Patients with Localized, High-Risk Prostate Cancer. <i>Advances in Radiation Oncology</i> , 2021, 6, 100803.	0.6	3
22	Synthetic CT-aided multiorgan segmentation for CBCT-guided adaptive pancreatic radiotherapy. <i>Medical Physics</i> , 2021, 48, 7063-7073.	1.6	8
23	Changes in the Vaginal Microbiome and Associated Toxicities Following Radiation Therapy for Gynecologic Cancers. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 680038.	1.8	5
24	Facilitating the Transition to Independent Radiation Oncology Practice Through a Resident-Led, Veterans Affairs Teaching Hospital Service. <i>Practical Radiation Oncology</i> , 2021, 11, 441-447.	1.1	2
25	Survival outcomes in patients with gastric and gastroesophageal junction adenocarcinomas treated with perioperative chemotherapy with or without preoperative radiotherapy. <i>Cancer</i> , 2020, 126, 37-45.	2.0	11
26	CT prostate segmentation based on synthetic MRI-aided deep attention fully convolution network. <i>Medical Physics</i> , 2020, 47, 530-540.	1.6	66
27	Overall survival comparison between androgen deprivation therapy (ADT) plus external beam radiation therapy (EBRT) vs ADT plus EBRT with brachytherapy boost in clinically node-positive prostate cancer. <i>Brachytherapy</i> , 2020, 19, 557-566.	0.2	1
28	The Influence of Histologic Grade on Outcomes of Elderly Women With Early Stage Breast Cancer Treated With Breast Conserving Surgery With or Without Radiotherapy. <i>Clinical Breast Cancer</i> , 2020, 20, e701-e710.	1.1	7
29	CT-based multi-organ segmentation using a 3D self-attention U-net network for pancreatic radiotherapy. <i>Medical Physics</i> , 2020, 47, 4316-4324.	1.6	35
30	Automatic multi-catheter detection using deeply supervised convolutional neural network in MRI-guided HDR prostate brachytherapy. <i>Medical Physics</i> , 2020, 47, 4115-4124.	1.6	24
31	Multi-needle Localization with Attention U-Net in US-guided HDR Prostate Brachytherapy. <i>Medical Physics</i> , 2020, 47, 2735-2745.	1.6	30
32	CBCT-based synthetic CT generation using deep attention cycleGAN for pancreatic adaptive radiotherapy. <i>Medical Physics</i> , 2020, 47, 2472-2483.	1.6	113
33	Radiation as a Single-Modality Treatment in Localized Pancreatic Cancer. <i>Pancreas</i> , 2020, 49, 822-829.	0.5	2
34	Lung Stereotactic Body Radiation Therapy and Concurrent Immunotherapy: A Multicenter Safety and Toxicity Analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 304-313.	0.4	42
35	Examining the use of preoperative radiation therapy in addition to perioperative chemotherapy: National Cancer Data Base vs. Surveillance, Epidemiology, and End Results. <i>Cancer</i> , 2020, 126, 2037-2038.	2.0	0
36	Comparison of vaginal microbiota in gynecologic cancer patients pre- and post-radiation therapy and healthy women. <i>Cancer Medicine</i> , 2020, 9, 3714-3724.	1.3	23

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37	Pelvic multi-organ segmentation on cone-beam CT for prostate adaptive radiotherapy. <i>Medical Physics</i> , 2020, 47, 3415-3422.	1.6	37
38	Intensity non-uniformity correction in MR imaging using residual cycle generative adversarial network. <i>Physics in Medicine and Biology</i> , 2020, 65, 215025.	1.6	27
39	Immunologic alterations in the pancreatic cancer microenvironment of patients treated with neoadjuvant chemotherapy and radiotherapy. <i>JCI Insight</i> , 2020, 5, .	2.3	31
40	Analysis of Radiation Facility Volume and Survival in Men With Lymph Node-Positive Prostate Cancer Treated With Radiation and Androgen Deprivation Therapy. <i>JAMA Network Open</i> , 2020, 3, e2025143.	2.8	5
41	MRI-based treatment planning for liver stereotactic body radiotherapy: validation of a deep learning-based synthetic CT generation method. <i>British Journal of Radiology</i> , 2019, 92, 20190067.	1.0	52
42	Synthetic MRI-aided multi-organ segmentation on male pelvic CT using cycle consistent deep attention network. <i>Radiotherapy and Oncology</i> , 2019, 141, 192-199.	0.3	97
43	Survival Outcomes With Thoracic Radiotherapy in Extensive-Stage Small-Cell Lung Cancer: Propensity Score-Matched Analysis of the National Cancer Database. <i>Clinical Lung Cancer</i> , 2019, 20, 484-493.e6.	1.1	16
44	Ultrasound prostate segmentation based on multidirectional deeply supervised V-Net. <i>Medical Physics</i> , 2019, 46, 3194-3206.	1.6	96
45	Dosimetric study on learning-based cone-beam CT correction in adaptive radiation therapy. <i>Medical Dosimetry</i> , 2019, 44, e71-e79.	0.4	20
46	Dose evaluation of MRI-based synthetic CT generated using a machine learning method for prostate cancer radiotherapy. <i>Medical Dosimetry</i> , 2019, 44, e64-e70.	0.4	30
47	Multiparametric MRI-guided dose boost to dominant intraprostatic lesions in CT-based High-dose-rate prostate brachytherapy. <i>British Journal of Radiology</i> , 2019, 92, 20190089.	1.0	20
48	Deeply supervised 3D fully convolutional networks with group dilated convolution for automatic MRI prostate segmentation. <i>Medical Physics</i> , 2019, 46, 1707-1718.	1.6	151
49	High-dose-rate prostate brachytherapy appears safe in patients with high baseline International Prostate Symptom Scores. <i>Brachytherapy</i> , 2019, 18, 793-799.	0.2	8
50	Role of adjuvant therapy in resected stage IA subcentimeter (T1a/T1b) pancreatic cancer. <i>Cancer</i> , 2019, 125, 57-67.	2.0	15
51	Patient-reported health-related quality of life outcomes after HDR brachytherapy between small (<math>\leq 60\text{cc}</math>) and large (<math>> 60\text{cc}</math>) prostate glands. <i>Brachytherapy</i> , 2019, 18, 13-21.	0.2	7
52	Chemotherapy with or Without Definitive Radiation Therapy in Inoperable Pancreatic Cancer. <i>Annals of Surgical Oncology</i> , 2018, 25, 1026-1033.	0.7	9
53	Health care disparities among octogenarians and nonagenarians with stage III lung cancer. <i>Cancer</i> , 2018, 124, 775-784.	2.0	24
54	The risk of carotid stenosis in head and neck cancer patients after radiation therapy. <i>Oral Oncology</i> , 2018, 80, 9-15.	0.8	57

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55	Impact of intensity modulated radiation therapy on survival in anal cancer. Journal of Gastrointestinal Oncology, 2018, 9, 618-630.	0.6	12
56	Predictors of pneumonitis-free survival following lung stereotactic body radiation therapy. Translational Lung Cancer Research, 2018, 8, 15-23.	1.3	5
57	Hypofractionated external beam radiation therapy in combination with HDR boost for localized prostate cancer: patient reported quality of life outcomes. Journal of Contemporary Brachytherapy, 2018, 10, 211-217.	0.4	6
58	Targeted sequencing and intracranial outcomes of patients with lung adenocarcinoma brain metastases treated with radiotherapy. Cancer, 2018, 124, 3586-3595.	2.0	5
59	MRI-based pseudo CT synthesis using anatomical signature and alternating random forest with iterative refinement model. Journal of Medical Imaging, 2018, 5, 1.	0.8	33
60	Adjuvant treatment for resected sub-centimeter T1 pancreatic cancer.. Journal of Clinical Oncology, 2018, 36, 4125-4125.	0.8	1
61	Survival outcomes in gastric and gastroesophageal junction adenocarcinoma treated with peri-operative chemotherapy with or without pre-operative radiotherapy.. Journal of Clinical Oncology, 2018, 36, 4026-4026.	0.8	0
62	Outcomes for patients with locally advanced pancreatic adenocarcinoma treated with stereotactic body radiation therapy versus conventionally fractionated radiation. Cancer, 2017, 123, 3486-3493.	2.0	103
63	Guideline-concordant Care Improves Overall Survival for Locally Advanced Non-Small Cell Lung Carcinoma Patients: A National Cancer Database Analysis. Clinical Lung Cancer, 2017, 18, 706-718.	1.1	26
64	Next-generation sequencing and clinical outcomes of patients with lung adenocarcinoma treated with stereotactic body radiotherapy. Cancer, 2017, 123, 3681-3690.	2.0	36
65	Stereotactic Body Radiotherapy for Early-stage Non-small-cell Lung Cancer in Patients 80 Years and Older: A Multi-center Analysis. Clinical Lung Cancer, 2017, 18, 551-558.e6.	1.1	24
66	Domestic Job Shortage or Job Maldistribution? A Geographic Analysis of the Current Radiation Oncology Job Market. International Journal of Radiation Oncology Biology Physics, 2017, 99, 9-15.	0.4	32
67	Concomitant Chemotherapy and Radiotherapy with SBRT Boost for Unresectable Stage III Non-small Cell Lung Cancer: A Phase I Study. Journal of Thoracic Oncology, 2017, 12, 1687-1695.	0.5	47
68	National Cancer Database Analysis of Proton Versus Photon Radiation Therapy in Non-Small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2017, 97, 128-137.	0.4	105
69	Prognostic relevance of human papillomavirus infection in anal squamous cell carcinoma: analysis of the national cancer data base. Journal of Gastrointestinal Oncology, 2017, 8, 998-1008.	0.6	15
70	Survival outcomes in extensive stage small cell lung cancer patients treated with thoracic radiation.. Journal of Clinical Oncology, 2017, 35, 8565-8565.	0.8	0
71	Chemotherapy with or without definitive radiation therapy in locally advanced pancreatic cancer.. Journal of Clinical Oncology, 2017, 35, 4103-4103.	0.8	0
72	Optimal thoracic radiation dose in limited stage small cell lung cancer.. Journal of Clinical Oncology, 2017, 35, 8562-8562.	0.8	0

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73	Presence of genetic aberrations in patients with brain metastases from non-small cell lung cancer (NSCLC) and clinical outcomes.. Journal of Clinical Oncology, 2017, 35, e20604-e20604.	0.8	1
74	Health care disparities among octogenarians and nonagenarians with stage III lung cancer.. Journal of Clinical Oncology, 2017, 35, e18075-e18075.	0.8	1
75	In Reply to Fiorino and Cozzarini. International Journal of Radiation Oncology Biology Physics, 2016, 94, 860-861.	0.4	1