Pretesh R Patel

List of Publications by Year
in descending order

75 papers	1,768 citations	257450 24 h-index	289244 40 g-index
75 all docs	75 docs citations	75 times ranked	2292 citing authors

#	Article	IF	Citations
1	Deeply supervised 3D fully convolutional networks with group dilated convolution for automatic <scp>MRI</scp> prostate segmentation. Medical Physics, 2019, 46, 1707-1718.	3.0	151
2	CBCTâ€based synthetic CT generation using deepâ€attention cycleGAN for pancreatic adaptive radiotherapy. Medical Physics, 2020, 47, 2472-2483.	3.0	113
3	18F-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. Lancet, The, 2021, 397, 1895-1904.	13.7	107
4	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.	0.8	105
5	Outcomes for patients with locally advanced pancreatic adenocarcinoma treated with stereotactic body radiation therapy versus conventionally fractionated radiation. Cancer, 2017, 123, 3486-3493.	4.1	103
6	Synthetic MRI-aided multi-organ segmentation on male pelvic CT using cycle consistent deep attention network. Radiotherapy and Oncology, 2019, 141, 192-199.	0.6	97
7	Ultrasound prostate segmentation based on multidirectional deeply supervised Vâ€Net. Medical Physics, 2019, 46, 3194-3206.	3.0	96
8	CT prostate segmentation based on synthetic MRIâ€aided deep attention fully convolution network. Medical Physics, 2020, 47, 530-540.	3.0	66
9	The risk of carotid stenosis in head and neck cancer patients after radiation therapy. Oral Oncology, 2018, 80, 9-15.	1.5	57
10	MRI-based treatment planning for liver stereotactic body radiotherapy: validation of a deep learning-based synthetic CT generation method. British Journal of Radiology, 2019, 92, 20190067.	2.2	52
11	Concomitant Chemotherapy and Radiotherapy with SBRT Boost for Unresectable Stage III Nonâ€“Small Cell Lung Cancer: A Phase I Study. Journal of Thoracic Oncology, 2017, 12, 1687-1695.	1.1	47
12	Lung Stereotactic Body Radiation Therapy and Concurrent Immunotherapy: A Multicenter Safety and Toxicity Analysis. International Journal of Radiation Oncology Biology Physics, 2020, 108, 304-313.	0.8	42
13	Pelvic multiâ€organ segmentation on coneâ€beam CT for prostate adaptive radiotherapy. Medical Physics, 2020, 47, 3415-3422.	3.0	37
14	Nextâ€generation sequencing and clinical outcomes of patients with lung adenocarcinoma treated with stereotactic body radiotherapy. Cancer, 2017, 123, 3681-3690.	4.1	36
15	CTâ€based multiâ€organ segmentation using a 3D selfâ€attention Uâ€net network for pancreatic radiotherapy. Medical Physics, 2020, 47, 4316-4324.	3.0	35
16	Biomechanically constrained non-rigid MR-TRUS prostate registration using deep learning based 3D point cloud matching. Medical Image Analysis, 2021, 67, 101845.	11.6	33
17	MRI-based pseudo CT synthesis using anatomical signature and alternating random forest with iterative refinement model. Journal of Medical Imaging, 2018, 5, 1.	1.5	33
18	Domestic Job Shortage or Job Maldistribution? AÂGeographic Analysis of the Current RadiationÂOncology Job Market. International Journal of Radiation Oncology Biology Physics, 2017, 99, 9-15.	0.8	32

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19	Immunologic alterations in the pancreatic cancer microenvironment of patients treated with neoadjuvant chemotherapy and radiotherapy. JCI Insight, 2020, 5, .	5.0	31
20	Dose evaluation of MRI-based synthetic CT generated using a machine learning method for prostate cancer radiotherapy. Medical Dosimetry, 2019, 44, e64-e70.	0.9	30
21	Multiâ€needle Localization with Attention Uâ€Net in USâ€guided HDR Prostate Brachytherapy. Medical Physics, 2020, 47, 2735-2745.	3.0	30
22	Deformable MRâ€CBCT prostate registration using biomechanically constrained deep learning networks. Medical Physics, 2021, 48, 253-263.	3.0	27
23	Intensity non-uniformity correction in MR imaging using residual cycle generative adversarial network. Physics in Medicine and Biology, 2020, 65, 215025.	3.0	27
24	Guideline-concordant Care Improves Overall Survival for Locally Advanced Nonâ€“Small-cell Lung Carcinoma Patients: A National Cancer Database Analysis. Clinical Lung Cancer, 2017, 18, 706-718.	2.6	26
25	Stereotactic Body Radiotherapy for Early-stage Nonâ€“small-cell Lung Cancer in Patients 80 Years and Older: A Multi-center Analysis. Clinical Lung Cancer, 2017, 18, 551-558.e6.	2.6	24
26	Health care disparities among octogenarians and nonagenarians with stage III lung cancer. Cancer, 2018, 124, 775-784.	4.1	24
27	Automatic multiâ€catheter detection using deeply supervised convolutional neural network in MRIâ€guided HDR prostate brachytherapy. Medical Physics, 2020, 47, 4115-4124.	3.0	24
28	Comparison of vaginal microbiota in gynecologic cancer patients preâ€and postâ€radiation therapy and healthy women. Cancer Medicine, 2020, 9, 3714-3724.	2.8	23
29	Dosimetric study on learning-based cone-beam CT correction in adaptive radiation therapy. Medical Dosimetry, 2019, 44, e71-e79.	0.9	20
30	Multiparametric MRI-guided dose boost to dominant intraprostatic lesions in CT-based High-dose-rate prostate brachytherapy. British Journal of Radiology, 2019, 92, 20190089.	2.2	20
31	Survival Outcomes With Thoracic Radiotherapy in Extensive-Stage Small-Cell Lung Cancer: AÂPropensity Score-Matched Analysis of the National Cancer Database. Clinical Lung Cancer, 2019, 20, 484-493.e6.	2.6	16
32	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.	1.4	15
33	Role of adjuvant therapy in resected stage IA subcentimeter (T1a/T1b) pancreatic cancer. Cancer, 2019, 125, 57-67.	4.1	15
34	Impact of intensity modulated radiation therapy on survival in anal cancer. Journal of Gastrointestinal Oncology, 2018, 9, 618-630.	1.4	12
35	Learning-based dose prediction for pancreatic stereotactic body radiation therapy using dual pyramid adversarial network. Physics in Medicine and Biology, 2021, 66, 125019.	3.0	12
36	Survival outcomes in patients with gastric and gastroesophageal junction adenocarcinomas treated with perioperative chemotherapy with or without preoperative radiotherapy. Cancer, 2020, 126, 37-45.	4.1	11

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37	Male pelvic multiâ€organ segmentation on transrectal ultrasound using anchorâ€free mask CNN. Medical Physics, 2021, 48, 3055-3064.	3.0	11
38	Chemotherapy with or Without Definitive Radiation Therapy in Inoperable Pancreatic Cancer. Annals of Surgical Oncology, 2018, 25, 1026-1033.	1.5	9
39	Male pelvic CT multi-organ segmentation using synthetic MRI-aided dual pyramid networks. Physics in Medicine and Biology, 2021, 66, 085007.	3.0	9
40	Virtual Away Rotations Increase Access to Radiation Oncology. Practical Radiation Oncology, 2021, 11, 325-327.	2.1	9
41	High-dose-rate prostate brachytherapy appears safe in patients with high baseline International Prostate Symptom Scores. Brachytherapy, 2019, 18, 793-799.	0.5	8
42	Synthetic CTâ€aided multiorgan segmentation for CBCTâ€guided adaptive pancreatic radiotherapy. Medical Physics, 2021, 48, 7063-7073.	3.0	8
43	Patient-reported health-related quality of life outcomes after HDR brachytherapy between small (<60Âcc) and large (â‰¥60Âcc) prostate glands. Brachytherapy, 2019, 18, 13-21.	0.5	7
44	The Influence of Histologic Grade on Outcomes of Elderly Women With Early Stage Breast Cancer Treated With Breast Conserving Surgery With or Without Radiotherapy. Clinical Breast Cancer, 2020, 20, e701-e710.	2.4	7
45	Selfâ€supervised learning for accelerated 3D highâ€resolution ultrasound imaging. Medical Physics, 2021, 48, 3916-3926.	3.0	7
46	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.	0.9	6
47	Predictors of pneumonitis-free survival following lung stereotactic body radiation therapy. Translational Lung Cancer Research, 2018, 8, 15-23.	2.8	5
48	Targeted sequencing and intracranial outcomes of patients with lung adenocarcinoma brain metastases treated with radiotherapy. Cancer, 2018, 124, 3586-3595.	4.1	5
49	Impact of Metastasectomy and Aggressive Local Therapy in Newly Diagnosed Metastatic Soft Tissue Sarcoma: An Analysis of the NCDB. Annals of Surgical Oncology, 2022, 29, 649-659.	1.5	5
50	Dosimetric Uncertainties in Dominant Intraprostatic Lesion Simultaneous Boost Using Intensity Modulated Proton Therapy. Advances in Radiation Oncology, 2022, 7, 100826.	1.2	5
51	Changes in the Vaginal Microbiome and Associated Toxicities Following Radiation Therapy for Gynecologic Cancers. Frontiers in Cellular and Infection Microbiology, 2021, 11, 680038.	3.9	5
52	Analysis of Radiation Facility Volume and Survival in Men With Lymph Nodeâ€"Positive Prostate Cancer Treated With Radiation and Androgen Deprivation Therapy. JAMA Network Open, 2020, 3, e2025143.	5.9	5
53	Longitudinal Changes in U.S. Parameters of Neurovascular Bundles Suggest Mechanism for Radiation-Induced Erectile Dysfunction. Advances in Radiation Oncology, 2022, 7, 100946.	1.2	4
54	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. Brachytherapy, 2021, 20, 1130-1138.	0.5	3

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55	Catheter position prediction using deepâ€learningâ€based multiâ€atlas registration for highâ€dose rate prostate brachytherapy. Medical Physics, 2021, 48, 7261-7270.	3.0	3
56	Influence of Timing between Androgen Deprivation Therapy and External Beam Radiation Therapy in Patients with Localized, High-Risk Prostate Cancer. Advances in Radiation Oncology, 2021, 6, 100803.	1.2	3
57	Neoadjuvant treatment of pancreatic carcinosarcoma: a case report and review of literature. Chinese Clinical Oncology, 2022, 11, 8-8.	1.2	3
58	Radiation as a Single-Modality Treatment in Localized Pancreatic Cancer. Pancreas, 2020, 49, 822-829.	1.1	2
59	Early Comparative Toxicity Outcomes of Patients With Prostate Cancer Receiving Initial Cryotherapy and Radiotherapy Salvage. Clinical Genitourinary Cancer, 2021, 19, 267-270.e1.	1.9	2
60	Facilitating the Transition to Independent Radiation Oncology Practice Through a Resident-Led, Veterans Affairs Teaching Hospital Service. Practical Radiation Oncology, 2021, 11, 441-447.	2.1	2
61	In Reply to Fiorino and Cozzarini. International Journal of Radiation Oncology Biology Physics, 2016, 94, 860-861.	0.8	1
62	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. Brachytherapy, 2020, 19, 557-566.	0.5	1
63	Small-Cell Carcinoma of the Prostate: Report of Outcomes of Localized Disease Using the National Cancer Database. Clinical Genitourinary Cancer, 2021, 19, e193-e199.	1.9	1
64	Adjuvant treatment for resected sub-centimeter T1 pancreatic cancer.. Journal of Clinical Oncology, 2018, 36, 4125-4125.	1.6	1
65	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.	1.6	1
66	Health care disparities among octogenarians and nonagenarians with stage III lung cancer.. Journal of Clinical Oncology, 2017, 35, e18075-e18075.	1.6	1
67	Examining the use of preâ€operative radiation therapy in addition to perioperative chemotherapy: National Cancer Data Base vs. Surveillance, Epidemiology, and End Results. Cancer, 2020, 126, 2037-2038.	4.1	0
68	ASO Author Reflections: Evolving Surgical Role in Metastatic Soft Tissue Sarcoma. Annals of Surgical Oncology, 2021, , 1.	1.5	0
69	ASO Visual Abstract: Impact of Metastasectomy and Aggressive Local Therapy in Newly Diagnosed Metastatic Soft Tissue Sarcoma: An Analysis of the NCDB. Annals of Surgical Oncology, 2021, 28, 579-580.	1.5	0
70	Survival outcomes in extensive stage small cell lung cancer patients treated with thoracic radiation.. Journal of Clinical Oncology, 2017, 35, 8565-8565.	1.6	0
71	Chemotherapy with or without definitive radiation therapy in locally advanced pancreatic cancer.. Journal of Clinical Oncology, 2017, 35, 4103-4103.	1.6	0
72	Optimal thoracic radiation dose in limited stage small cell lung cancer.. Journal of Clinical Oncology, 2017, 35, 8562-8562.	1.6	0

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73	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.	1.6	0
74	Machine learning for tracking planned versus delivered dose in pancreas SBRT.. Journal of Clinical Oncology, 2022, 40, 561-561.	1.6	0
75	Impact of rectal spacer on toxicity reduction in men treated with proton versus photon therapy.. Journal of Clinical Oncology, 2022, 40, 247-247.	1.6	0