Masoom A Haider

List of Publications by Citations

115 papers	6,408 citations	34 h-index	79 g-index
126 ext. papers	8,186 ext. citations	6 avg, IF	5.87 L-index

#	Paper	IF	Citations
115	PI-RADS Prostate Imaging - Reporting and Data System: 2015, Version 2. *European Urology*, **2016**, 69, 16-40	10.2	1682
114	Prostate Imaging Reporting and Data System Version 2.1: 2019 Update of Prostate Imaging Reporting and Data System Version 2. *European Urology*, **2019**, 76, 340-351	10.2	576
113	Combined T2-weighted and diffusion-weighted MRI for localization of prostate cancer. *American Journal of Roentgenology*, **2007**, 189, 323-8	5.4	461
112	Prostate Magnetic Resonance Imaging and Magnetic Resonance Imaging Targeted Biopsy in Patients with a Prior Negative Biopsy: A Consensus Statement by AUA and SAR. *Journal of Urology*, **2016**, 196, 1613-1618	2.5	239
111	Chemical shift MR imaging of hyperattenuating (>10 HU) adrenal masses: does it still have a role?. *Radiology*, **2004**, 231, 711-6	20.5	214
110	Dynamic contrast-enhanced magnetic resonance imaging for localization of recurrent prostate cancer after external beam radiotherapy. *International Journal of Radiation Oncology Biology Physics*, **2008**, 70, 425-30	4	200
109	Radiomics-based Prognosis Analysis for Non-Small Cell Lung Cancer. *Scientific Reports*, **2017**, 7, 46349	4.9	138
108	Reporting Magnetic Resonance Imaging in Men on Active Surveillance for Prostate Cancer: The PRECISE Recommendations-A Report of a European School of Oncology Task Force. *European Urology*, **2017**, 71, 648-655	10.2	132
107	Focal laser ablation for prostate cancer followed by radical prostatectomy: validation of focal therapy and imaging accuracy. *European Urology*, **2010**, 57, 1111-4	10.2	124
106	Multi-detector row helical CT in preoperative assessment of small (Radiology, **2002**, 225, 137-42	20.5	108
105	Automated prostate cancer detection via comprehensive multi-parametric magnetic resonance imaging texture feature models. *BMC Medical Imaging*, **2015**, 15, 27	2.9	107
104	MAPS: A Quantitative Radiomics Approach for Prostate Cancer Detection. *IEEE Transactions on Biomedical Engineering*, **2016**, 63, 1145-56	5	105
103	Imaging-based diagnosis of autosomal dominant polycystic kidney disease. *Journal of the American Society of Nephrology: JASN*, **2015**, 26, 746-53	12.7	94
102	PI-RADS Steering Committee: The PI-RADS Multiparametric MRI and MRI-directed Biopsy Pathway. *Radiology*, **2019**, 292, 464-474	20.5	84
101	CT texture features are associated with overall survival in pancreatic ductal adenocarcinoma - a quantitative analysis. *BMC Medical Imaging*, **2017**, 17, 38	2.9	84
100	Prostate gland: MR imaging appearance after vascular targeted photodynamic therapy with palladium-bacteriopheophorbide. *Radiology*, **2007**, 244, 196-204	20.5	82
99	Radiomics analysis at PET/CT contributes to prognosis of recurrence and survival in lung cancer treated with stereotactic body radiotherapy. *Scientific Reports*, **2018**, 8, 4003	4.9	78

98	Refining Genotype-Phenotype Correlation in Autosomal Dominant Polycystic Kidney Disease. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 1861-8	12.7	78
97	Active Surveillance Magnetic Resonance Imaging Study (ASIST): Results of a Randomized Multicenter Prospective Trial. *European Urology*, **2019**, 75, 300-309	10.2	71
96	Assessment of the tumor microenvironment in cervix cancer using dynamic contrast enhanced CT, interstitial fluid pressure and oxygen measurements. *International Journal of Radiation Oncology Biology Physics*, **2005**, 62, 1100-7	4	68
95	Prostate Cancer Detection using Deep Convolutional Neural Networks. *Scientific Reports*, **2019**, 9, 19518	4.9	68
94	Changes in apparent diffusion coefficient and T2 relaxation during radiotherapy for prostate cancer. *Journal of Magnetic Resonance Imaging*, **2013**, 37, 909-16	5.6	60
93	CT texture analysis: a potential tool for prediction of survival in patients with metastatic clear cell carcinoma treated with sunitinib. *Cancer Imaging*, **2017**, 17, 4	5.6	59
92	Randomized Study of Systematic Biopsy Versus Magnetic Resonance Imaging and Targeted and Systematic Biopsy in Men on Active Surveillance (ASIST): 2-year Postbiopsy Follow-up. *European Urology*, **2020**, 77, 311-317	10.2	50
91	Multiparametric-MRI in diagnosis of prostate cancer. *Indian Journal of Urology*, **2015**, 31, 194-201	0.8	44
90	Correlations between dynamic contrast-enhanced magnetic resonance imaging-derived measures of tumor microvasculature and interstitial fluid pressure in patients with cervical cancer. *Journal of Magnetic Resonance Imaging*, **2007**, 25, 153-9	5.6	42
89	Fully automated segmentation of prostate whole gland and transition zone in diffusion-weighted MRI using convolutional neural networks. *Journal of Medical Imaging*, **2017**, 4, 041307	2.6	41
88	Federated learning for predicting clinical outcomes in patients with COVID-19. *Nature Medicine*, **2021**, 27, 1735-1743	50.5	41
87	Focal Salvage High Dose-Rate Brachytherapy for Locally Recurrent Prostate Cancer After Primary Radiation Therapy Failure: Results From a Prospective Clinical Trial. *International Journal of Radiation Oncology Biology Physics*, **2018**, 102, 561-567	4	40
86	Growth kinetics of small renal masses: A prospective analysis from the Renal Cell Carcinoma Consortium of Canada. *Canadian Urological Association Journal*, **2014**, 8, 24-7	1.2	38
85	Real-Time MRI-Guided Focused Ultrasound for Focal Therapy of Locally Confined Low-Risk Prostate Cancer: Feasibility and Preliminary Outcomes. *American Journal of Roentgenology*, **2015**, 205, W177-84	5.4	36
84	A Pilot Study to Evaluate the Role of Magnetic Resonance Imaging for Prostate Cancer Screening in the General Population. *Journal of Urology*, **2016**, 196, 361-6	2.5	35
83	Artificial Intelligence: reshaping the practice of radiological sciences in the 21st century. *British Journal of Radiology*, **2020**, 93, 20190855	3.4	34
82	Robot-assisted MRI-guided prostatic interventions. *Robotica*, **2010**, 28, 215-234	2.1	32
81	Comparison of Multiparametric Magnetic Resonance Imaging-Targeted Biopsy With Systematic Transrectal Ultrasonography Biopsy for Biopsy-Naive Men at Risk for Prostate Cancer: A Phase 3 Randomized Clinical Trial. *JAMA Oncology*, **2021**, 7, 534-542	13.4	31

80	Value of Increasing Biopsy Cores per Target with Cognitive MRI-targeted Transrectal US Prostate Biopsy. *Radiology*, **2019**, 291, 83-89	20.5	30
79	Prognostic Value of CT Radiomic Features in Resectable Pancreatic Ductal Adenocarcinoma. *Scientific Reports*, **2019**, 9, 5449	4.9	30
78	MPCaD: a multi-scale radiomics-driven framework for automated prostate cancer localization and detection. *BMC Medical Imaging*, **2018**, 18, 16	2.9	28
77	Prostate Cancer Detection via a Quantitative Radiomics-Driven Conditional Random Field Framework. *IEEE Access*, **2015**, 3, 2531-2541	3.5	23
76	CNN-based survival model for pancreatic ductal adenocarcinoma in medical imaging. *BMC Medical Imaging*, **2020**, 20, 11	2.9	22
75	Sorafenib Increases Tumor Hypoxia in Cervical Cancer Patients Treated With Radiation Therapy: Results of a Phase 1 Clinical Study. *International Journal of Radiation Oncology Biology Physics*, **2016**, 94, 111-117	4	21
74	Evaluation of Focal Ablation of Magnetic Resonance Imaging Defined Prostate Cancer Using Magnetic Resonance Imaging Controlled Transurethral Ultrasound Therapy with Prostatectomy as the Reference Standard. *Journal of Urology*, **2017**, 197, 255-261	2.5	20
73	Comparison of Magnetic Resonance Imaging and Transrectal Ultrasound Informed Prostate Biopsy for Prostate Cancer Diagnosis in Biopsy Naïve Men: A Systematic Review and Meta-Analysis. *Journal of Urology*, **2020**, 203, 1085-1093	2.5	20
72	Small Renal Mass Surveillance: Histology-specific Growth Rates in a Biopsy-characterized Cohort. *European Urology*, **2020**, 78, 460-467	10.2	20
71	Can machine learning radiomics provide pre-operative differentiation of combined hepatocellular cholangiocarcinoma from hepatocellular carcinoma and cholangiocarcinoma to inform optimal treatment planning?. *European Radiology*, **2021**, 31, 244-255	8	20
70	Magnetic resonance guided focused high frequency ultrasound ablation for focal therapy in prostate cancer - phase 1 trial. *European Radiology*, **2018**, 28, 4281-4287	8	19
69	Toward Prostate Cancer Contouring Guidelines on Magnetic Resonance Imaging: Dominant Lesion Gross and Clinical Target Volume Coverage Via Accurate Histology Fusion. *International Journal of Radiation Oncology Biology Physics*, **2016**, 96, 188-96	4	19
68	PI-RADS Committee Position on MRI Without Contrast Medium in Biopsy-Naive Men With Suspected Prostate Cancer: Narrative Review. *American Journal of Roentgenology*, **2021**, 216, 3-19	5.4	19
67	A Single-Arm, Multicenter Validation Study of Prostate Cancer Localization and Aggressiveness With a Quantitative Multiparametric Magnetic Resonance Imaging Approach. *Investigative Radiology*, **2019**, 54, 437-447	10.1	17
66	Role of mpMRI of the prostate in screening for prostate cancer. *Translational Andrology and Urology*, **2017**, 6, 464-471	2.3	16
65	Late gadolinium enhancement of colorectal liver metastases post-chemotherapy is associated with tumour fibrosis and overall survival post-hepatectomy. *European Radiology*, **2018**, 28, 3505-3512	8	16
64	Determination of the Association Between T2-weighted MRI and Gleason Sub-pattern: A Proof of Principle Study. *Academic Radiology*, **2016**, 23, 1412-1421	4.3	15
63	Perineural cysts presenting as complex adnexal cystic masses on transvaginal sonography. *American Journal of Roentgenology*, **2001**, 177, 1313-8	5.4	15

62	Prostate imaging: evaluation of a reusable two-channel endorectal receiver coil for MR imaging at 1.5 T. *Radiology*, **2014**, 270, 556-65	20.5	14
61	Quantitative investigative analysis of tumour separability in the prostate gland using ultra-high b-value computed diffusion imaging. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International*	0.9	14
60	Prostate Magnetic Resonance Imaging for Local Recurrence Reporting (PI-RR): International Consensus -based Guidelines on Multiparametric Magnetic Resonance Imaging for Prostate Cancer Recurrence after Radiation Therapy and Radical Prostatectomy. *European Urology Oncology*, **2021**, 4, 868-868	6.7	14
59	Hepatic perfusion imaging: concepts and application. *Magnetic Resonance Imaging Clinics of North America*, **2010**, 18, 465-75, x	1.6	13
58	Adenocarcinoma involving the uterine cervix: magnetic resonance imaging findings in tumours of endometrial, compared with cervical, origin. *Canadian Association of Radiologists Journal*, **2006**, 57, 43-8	3.9	13
57	Treatment planning for prostate focal laser ablation in the face of needle placement uncertainty. *Medical Physics*, **2014**, 41, 013301	4.4	12
56	Multiparametric magnetic resonance imaging for pre-treatment local staging of prostate cancer: A Cancer Care Ontario clinical practice guideline. *Canadian Urological Association Journal*, **2016**, 10, E332-E339	1.2	12
55	Reply to Erik Rud and Eduard Baco's Letter to the Editor re: Re: Jeffrey C. Weinreb, Jelle O. Barentsz, Peter L. Choyke, et al. PI-RADS Prostate Imaging - Reporting and Data System: 2015, Version 2. Eur Urol 2016;69:16-40. *European Urology*, **2016**, 70, e137-e138	10.2	12
54	Mechanical stability analysis of carrageenan-based polymer gel for magnetic resonance imaging liver phantom with lesion particles. *Journal of Medical Imaging*, **2014**, 1, 035502	2.6	11
53	A Local ROI-specific Atlas-based Segmentation of Prostate Gland and Transitional Zone in Diffusion MRI. *Journal of Computational Vision and Imaging Systems*, **2016**, 2,		11
52	Magnetic Resonance Imaging-Guided Transurethral Ultrasound Ablation of Prostate Cancer. *Journal of Urology*, **2021**, 205, 769-779	2.5	11
51	Extending PowerPoint with DICOM image support. *Radiographics*, **2003**, 23, 1683-7	5.4	9
50	MRI-guided Focused Ultrasound Ablation for Localized Intermediate-Risk Prostate Cancer: Early Results of a Phase II Trial. *Radiology*, **2021**, 298, 695-703	20.5	9
49	Using decision curve analysis to benchmark performance of a magnetic resonance imaging-based deep learning model for prostate cancer risk assessment. *European Radiology*, **2020**, 30, 6867-6876	8	8
48	Sequential Registration-Based Segmentation of the Prostate Gland in MR Image Volumes. *Journal of Digital Imaging*, **2016**, 29, 254-63	5.3	8
47	Dual-stage correlated diffusion imaging **2015**,		8
46	ESUR/ESUI position paper: developing artificial intelligence for precision diagnosis of prostate cancer using magnetic resonance imaging. *European Radiology*, **2021**, 31, 9567-9578	8	8
45	Commentary regarding a recent collaborative consensus statement addressing prostate MRI and MRI-targeted biopsy in patients with a prior negative prostate biopsy. *Abdominal Radiology*, **2017**, 42, 346-349	3	7

44	A Comprehensive Study of Data Augmentation Strategies for Prostate Cancer Detection in Diffusion-Weighted MRI Using Convolutional Neural Networks. *Journal of Digital Imaging*, **2021**, 34, 862-876	5.2	7
43	Monte Carlo-based noise compensation in coil intensity corrected endorectal MRI. *BMC Medical Imaging*, **2015**, 15, 43	2.9	6
42	Improving prognostic performance in resectable pancreatic ductal adenocarcinoma using radiomics and deep learning features fusion in CT images. *Scientific Reports*, **2021**, 11, 1378	4.9	6
41	Pharmacokinetic analysis of prostate cancer using independent component analysis. *Magnetic Resonance Imaging*, **2015**, 33, 1236-1245	3.3	5
40	Assessment of nonrespiratory stomach motion in healthy volunteers in fasting and postprandial states. *Practical Radiation Oncology*, **2014**, 4, 288-293	2.8	5
39	Semi-supervised prostate cancer segmentation with multispectral MRI **2010**,		5
38	Discovery radiomics via evolutionary deep radiomic sequencer discovery for pathologically proven lung cancer detection. *Journal of Medical Imaging*, **2017**, 4, 041305	2.6	5
37	Does the Visibility of Grade Group 1 Prostate Cancer on Baseline Multiparametric Magnetic Resonance Imaging Impact Clinical Outcomes?. *Journal of Urology*, **2020**, 204, 1187-1194	2.5	5
36	Prognostic value of early changes in CT-measured body composition in patients receiving chemotherapy for unresectable pancreatic cancer. *European Radiology*, **2021**, 31, 8662-8670	8	5
35	Radiomics **2019**, 597-603		5
34	Avoiding Unnecessary Biopsy: MRI-based Risk Models versus a PI-RADS and PSA Density Strategy for Clinically Significant Prostate Cancer. *Radiology*, **2021**, 300, 369-379	20.5	5
33	Changes in ADC and T2-weighted MRI-derived radiomic features in patients treated with focal salvage HDR prostate brachytherapy for local recurrence after previous external-beam radiotherapy. *Brachytherapy*, **2019**, 18, 567-573	2.4	4
32	Graph-based active contours using shape priors for prostate segmentation with MRI **2011**,		4
31	Validation of Prognostic Radiomic Features From Resectable Pancreatic Ductal Adenocarcinoma in Patients With Advanced Disease Undergoing Chemotherapy. *Canadian Association of Radiologists Journal*, **2021**, 72, 605-613	3.9	4
30	Evaluation of second-line and subsequent targeted therapies in metastatic renal cell cancer (mRCC) patients treated with first-line cediranib. *Canadian Urological Association Journal*, **2014**, 8, 398-402	1.2	3
29	Supervised prostate cancer segmentation with multispectral MRI incorporating location information **2011**,		3
28	Deep learning-based artificial intelligence applications in prostate MRI: brief summary. *British Journal of Radiology*, **2021**, 20210563	3.4	3
27	Negative Predictive Value of Prostate Multiparametric Magnetic Resonance Imaging among Men with Negative Prostate Biopsy and Elevated Prostate Specific Antigen: A Clinical Outcome Retrospective Cohort Study. *Journal of Urology*, **2019**, 202, 1159-1165	2.5	3

26	Bag of Bags: Nested Multi Instance Classification for Prostate Cancer Detection **2016**,		3
25	Using relative contrast and iterative normalization for improved prostate cancer localization with multispectral MRI **2010**,		2
24	Automated prostate cancer localization with MRI without the need of manually extracted peripheral zone **2011**,		2
23	Evidence-based guideline recommendations on multiparametric magnetic resonance imaging in the diagnosis of clinically significant prostate cancer: A Cancer Care Ontario updated clinical practice guideline.. *Canadian Urological Association Journal*, **2022**, 16, 16-23	1.2	2
22	Survival analysis of PETCAM: A multicenter randomized controlled trial of PET/CT versus no PET/CT for patients with resectable liver colorectal adenocarcinoma metastases.. *Journal of Clinical Oncology*, **2012**, 30, 390-390	2.2	2
21	A Modified AUC for Training Convolutional Neural Networks: Taking Confidence Into Account.. *Frontiers in Artificial Intelligence*, **2021**, 4, 582928	3	2
20	Prognostic Value of Transfer Learning Based Features in Resectable Pancreatic Ductal Adenocarcinoma. *Frontiers in Artificial Intelligence*, **2020**, 3, 550890	3	2
19	Creating patient-centered radiology reports to empower patients undergoing prostate magnetic resonance imaging. *Canadian Urological Association Journal*, **2021**, 15, 108-113	1.2	2
18	Sparse reconstruction of compressive sensing MRI using cross-domain stochastically fully connected conditional random fields. *BMC Medical Imaging*, **2016**, 16, 51	2.9	2
17	Role of multiparametric MRI in long-term surveillance following focal laser ablation of prostate cancer. *British Journal of Radiology*, **2021**, 20210414	3.4	2
16	Improved accuracy of quantitative parameter estimates in dynamic contrast-enhanced CT study with low temporal resolution. *Medical Physics*, **2016**, 43, 388	4.4	1
15	Reply by Authors. *Journal of Urology*, **2021**, 205, 779	2.5	1
14	A protocol for the VISION study: An indiVidual patient data meta-analysis of randomised trials comparing MRI-targeted biopsy to standard transrectal ultraSound guided bIopsy in the detection of prOstate cancer.. *PLoS ONE*, **2022**, 17, e0263345	3.7	0
13	Pre-operative radiomics model for prognostication in resectable pancreatic adenocarcinoma with external validation. *European Radiology*, **2021**, 32, 2492	8	0
12	Prostate minimally invasive procedures: complications and normal vs. abnormal findings on multiparametric magnetic resonance imaging (mpMRI). *Abdominal Radiology*, **2021**, 46, 4388-4400	3	0
11	Standardized Reporting of Machine Learning Applications in Urology: The STREAM-URO Framework. *European Urology Focus*, **2021**, 7, 672-682	5.1	0
10	Synthetic correlated diffusion imaging hyperintensity delineates clinically significant prostate cancer.. *Scientific Reports*, **2022**, 12, 3376	4.9	0
9	Prostate biopsy in the era of MRI-targeting: towards a judicious use of additional systematic biopsy.. *European Radiology*, **2022**, 1	8	0

8	Exploring the value of using patient-oriented MRI reports in clinical practice - a pilot study.. *Supportive Care in Cancer*, **2022**, 1	3.9	0
7	Editorial Comment. *Journal of Urology*, **2022**, 207, 106	2.5	
6	Reply by Authors. *Journal of Urology*, **2019**, 202, 1165	2.5	
5	Reply by Authors. *Journal of Urology*, **2020**, 203, 1093	2.5	
4	MRI response to focal salvage HDR prostate brachytherapy for locally recurrent prostate cancer after external-beam radiotherapy.. *Journal of Clinical Oncology*, **2016**, 34, e631-e631	2.2	
3	Pilot study of focal salvage high-dose rate (HDR) prostate brachytherapy in patients with local recurrence after definitive external-beam radiotherapy (XRT).. *Journal of Clinical Oncology*, **2014**, 32, 264-264	2.2	
2	Beyond the : "Population-Based Prostate Cancer Screening With Magnetic Resonance Imaging or Ultrasonography: The IP1-PROSTAGRAM Study". *American Journal of Roentgenology*, **2021**, 1	5.4	
1	Why we need a vendor neutral specification for delineating prostate cancer with mpMRI. *Abdominal Radiology*, **2016**, 41, 801-2	3	