Masoom A Haider

List of Publications by Year
in descending order

124 papers	9,836 citations	71102 41 h-index	37204 96 g-index
126 all docs	126 docs citations	126 times ranked	8516 citing authors

#	Article	IF	Citations
1	PI-RADS Prostate Imaging â€" Reporting and Data System: 2015, Version 2. European Urology, 2016, 69, 16-40.	1.9	2,290
2	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.	1.9	1,270
3	Combined T2-Weighted and Diffusion-Weighted MRI for Localization of Prostate Cancer. American Journal of Roentgenology, 2007, 189, 323-328.	2.2	520
4	Synopsis of the PI-RADS v2 Guidelines for Multiparametric Prostate Magnetic Resonance Imaging and Recommendations for Use. European Urology, 2016, 69, 41-49.	1.9	454
5	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.	0.4	305
6	Federated learning for predicting clinical outcomes in patients with COVID-19. Nature Medicine, 2021, 27, 1735-1743.	30.7	300
7	Chemical Shift MR Imaging of Hyperattenuating (>10 HU) Adrenal Masses: Does It Still Have a Role?. Radiology, 2004, 231, 711-716.	7.3	261
8	Dynamic Contrast-Enhanced Magnetic Resonance Imaging forÂLocalization of Recurrent Prostate Cancer After ExternalÂBeam Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2008, 70, 425-430.	0.8	234
9	Radiomics-based Prognosis Analysis for Non-Small Cell Lung Cancer. Scientific Reports, 2017, 7, 46349.	3.3	196
10	Reporting Magnetic Resonance Imaging in Men on Active Surveillance for Prostate Cancer: The PRECISE Recommendationsâ€"A Report of a European School of Oncology Task Force. European Urology, 2017, 71, 648-655.	1.9	190
11	PI-RADS Steering Committee: The PI-RADS Multiparametric MRI and MRI-directed Biopsy Pathway. Radiology, 2019, 292, 464-474.	7.3	162
12	Focal Laser Ablation for Prostate Cancer Followed by Radical Prostatectomy: Validation of Focal Therapy and Imaging Accuracy. European Urology, 2010, 57, 1111-1114.	1.9	151
13	MAPS: A Quantitative Radiomics Approach for Prostate Cancer Detection. IEEE Transactions on Biomedical Engineering, 2016, 63, 1145-1156.	4.2	142
14	Automated prostate cancer detection via comprehensive multi-parametric magnetic resonance imaging texture feature models. BMC Medical Imaging, 2015, 15, 27.	2.7	140
15	Prostate Cancer Detection using Deep Convolutional Neural Networks. Scientific Reports, 2019, 9, 19518.	3.3	131
16	Imaging-Based Diagnosis of Autosomal Dominant Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2015, 26, 746-753.	6.1	126
17	Refining Genotype-Phenotype Correlation in Autosomal Dominant Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2016, 27, 1861-1868.	6.1	123
18	Multiâ€"Detector Row Helical CT in Preoperative Assessment of Small (â‰¤.5 cm) Liver Metastases: Is Thinner Collimation Better?. Radiology, 2002, 225, 137-142.	7.3	121

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19	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.	3.3	114
20	CT texture features are associated with overall survival in pancreatic ductal adenocarcinoma â€" a quantitative analysis. BMC Medical Imaging, 2017, 17, 38.	2.7	112
21	Active Surveillance Magnetic Resonance Imaging Study (ASIST): Results of a Randomized Multicenter Prospective Trial. European Urology, 2019, 75, 300-309.	1.9	99
22	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.	1.9	99
23	Comparison of Multiparametric Magnetic Resonance Imagingâ€"Targeted Biopsy With Systematic Transrectal Ultrasonography Biopsy for Biopsy-Naive Men at Risk for Prostate Cancer. JAMA Oncology, 2021, 7, 534.	7.1	99
24	Prostate Gland: MR Imaging Appearance after Vascular Targeted Photodynamic Therapy with Palladium-Bacteriopheophorbide. Radiology, 2007, 244, 196-204.	7.3	86
25	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, 1100-1107.	0.8	76
26	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.	2.2	76
27	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.	2.8	75
28	Changes in apparent diffusion coefficient and T_2 relaxation during radiotherapy for prostate cancer. Journal of Magnetic Resonance Imaging, 2013, 37, 909-916.	3.4	74
29	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, 868-876.	5.4	72
30	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.	4.5	67
31	Artificial Intelligence: reshaping the practice of radiological sciences in the 21st century. British Journal of Radiology, 2020, 93, 20190855.	2.2	63
32	Multiparametric-MRI in diagnosis of prostate cancer. Indian Journal of Urology, 2015, 31, 194.	0.6	62
33	Prognostic Value of CT Radiomic Features in Resectable Pancreatic Ductal Adenocarcinoma. Scientific Reports, 2019, 9, 5449.	3.3	61
34	Fully automated segmentation of prostate whole gland and transition zone in diffusion-weighted MRI using convolutional neural networks. Journal of Medical Imaging, 2017, 4, 1.	1.5	57
35	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.	0.8	54
36	Small Renal Mass Surveillance: Histology-specific Growth Rates in a Biopsy-characterized Cohort. European Urology, 2020, 78, 460-467.	1.9	53

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37	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, 153-159.	3.4	51
38	CNN-based survival model for pancreatic ductal adenocarcinoma in medical imaging. BMC Medical Imaging, 2020, 20, 11.	2.7	49
39	Magnetic Resonance Imaging-Guided Transurethral Ultrasound Ablation of Prostate Cancer. Journal of Urology, 2021, 205, 769-779.	0.4	45
40	Growth kinetics of small renal masses: A prospective analysis from the Renal Cell Carcinoma Consortium of Canada. Canadian Urological Association Journal, 2014, 8, 24.	0.6	44
41	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-W184.	2.2	44
42	A Pilot Study to Evaluate the Role of Magnetic Resonance Imaging for Prostate Cancer Screening in the General Population. Journal of Urology, 2016, 196, 361-366.	0.4	44
43	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.	0.4	44
44	MPCaD: a multi-scale radiomics-driven framework for automated prostate cancer localization and detection. BMC Medical Imaging, 2018, 18, 16.	2.7	43
45	Value of Increasing Biopsy Cores per Target with Cognitive MRI-targeted Transrectal US Prostate Biopsy. Radiology, 2019, 291, 83-89.	7.3	43
46	Robot-assisted MRI-guided prostatic interventions. Robotica, 2010, 28, 215-234.	1.9	37
47	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.	2.9	37
48	ESUR/ESUI position paper: developing artificial intelligence for precision diagnosis of prostate cancer using magnetic resonance imaging. European Radiology, 2021, 31, 9567-9578.	4.5	34
49	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.	7.3	34
50	MRI-guided Focused Ultrasound Ablation for Localized Intermediate-Risk Prostate Cancer: Early Results of a Phase II Trial. Radiology, 2021, 298, 695-703.	7.3	33
51	Prostate Cancer Detection via a Quantitative Radiomics-Driven Conditional Random Field Framework. IEEE Access, 2015, 3, 2531-2541.	4.2	32
52	Magnetic resonance guided focused high frequency ultrasound ablation for focal therapy in prostate cancer — phase 1 trial. European Radiology, 2018, 28, 4281-4287.	4.5	30
53	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.	0.4	28
54	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, 188-196.	0.8	26

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55	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.	0.8	25
56	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.	6.2	24
57	Prognostic value of early changes in CT-measured body composition in patients receiving chemotherapy for unresectable pancreatic cancer. European Radiology, 2021, 31, 8662-8670.	4.5	24
58	Standardized Reporting of Machine Learning Applications in Urology: The STREAM-URO Framework. European Urology Focus, 2021, 7, 672-682.	3.1	23
59	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 â€" Reporting and Data System: 2015, Version 2. Eur Urol 2016;69:16â€"40. European Urology, 2016, 70, e137-e138.	1.9	22
60	Role of mpMRI of the prostate in screening for prostate cancer. Translational Andrology and Urology, 2017, 6, 464-471.	1.4	22
61	Improving prognostic performance in resectable pancreatic ductal adenocarcinoma using radiomics and deep learning features fusion in CT images. Scientific Reports, 2021, 11, 1378.	3.3	21
62	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.	4.5	20
63	Pre-operative radiomics model for prognostication in resectable pancreatic adenocarcinoma with external validation. European Radiology, 2022, 32, 2492-2505.	4.5	20
64	Determination of the Association Between T2-weighted MRI and Gleason Sub-pattern: A Proof of Principle Study. Academic Radiology, 2016, 23, 1412-1421.	2.5	19
65	Deep learning-based artificial intelligence applications in prostate MRI: brief summary. British Journal of Radiology, 2022, 95, 20210563.	2.2	19
66	Using decision curve analysis to benchmark performance of a magnetic resonance imagingâ€"based deep learning model for prostate cancer risk assessment. European Radiology, 2020, 30, 6867-6876.	4.5	18
67	Perineural Cysts Presenting as Complex Adnexal Cystic Masses on Transvaginal Sonography. American Journal of Roentgenology, 2001, 177, 1313-1318.	2.2	16
68	Mechanical stability analysis of carrageenan-based polymer gel for magnetic resonance imaging liver phantom with lesion particles. Journal of Medical Imaging, 2014, 1, 035502.	1.5	16
69	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, 332.	0.6	16
70	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.	2.0	16
71	Quantitative investigative analysis of tumour separability in the prostate gland using ultra-high b-value computed diffusion imaging. , 2012, 2012, 420-3.		15
72	Treatment planning for prostate focal laser ablation in the face of needle placement uncertainty. Medical Physics, 2013, 41, 013301.	3.0	15

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73	Prostate Imaging: Evaluation of a Reusable Two-Channel Endorectal Receiver Coil for MR Imaging at 1.5 T. Radiology, 2014, 270, 556-565.	7.3	15
74	Hepatic Perfusion Imaging: Concepts and Application. Magnetic Resonance Imaging Clinics of North America, 2010, 18, 465-475.	1.1	13
75	Discovery radiomics via evolutionary deep radiomic sequencer discovery for pathologically proven lung cancer detection. Journal of Medical Imaging, 2017, 4, 1.	1.5	12
76	A Modified AUC for Training Convolutional Neural Networks: Taking Confidence Into Account. Frontiers in Artificial Intelligence, 2021, 4, 582928.	3.4	12
77	Dual-stage correlated diffusion imaging. , 2015, , .		11
78	Sequential Registration-Based Segmentation of the Prostate Gland in MR Image Volumes. Journal of Digital Imaging, 2016, 29, 254-263.	2.9	11
79	Validation of Prognostic Radiomic Features From Resectable Pancreatic Ductal Adenocarcinoma in Patients With Advanced Disease Undergoing Chemotherapy. Canadian Association of Radiologists Journal, 2020, 72, 084653712096878.	2.0	11
80	Role of multiparametric MRI in long-term surveillance following focal laser ablation of prostate cancer. British Journal of Radiology, 2022, 95, 20210414.	2.2	11
81	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, .	0.2	11
82	Extending PowerPoint with DICOM Image Support. Radiographics, 2003, 23, 1683-1687.	3.3	10
83	Semi-supervised prostate cancer segmentation with multispectral MRI. , 2010, , .		9
84	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.	0.4	9
85	Prognostic Value of Transfer Learning Based Features in Resectable Pancreatic Ductal Adenocarcinoma. Frontiers in Artificial Intelligence, 2020, 3, 550890.	3.4	9
86	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.	2.1	8
87	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.	0.4	8
88	Prostate biopsy in the era of MRI-targeting: towards a judicious use of additional systematic biopsy. European Radiology, 2022, 32, 7544-7554.	4.5	8
89	Assessment of nonrespiratory stomach motion in healthy volunteers in fasting and postprandial states. Practical Radiation Oncology, 2014, 4, 288-293.	2.1	7
90	Monte Carlo-based noise compensation in coil intensity corrected endorectal MRI. BMC Medical Imaging, 2015, 15, 43.	2.7	7

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91	Radiomics. , 2019, , 597-603.		7
92	Creating patient-centered radiology reports to empower patients undergoing prostate magnetic resonance imaging. Canadian Urological Association Journal, 2020, 15, 108-113.	0.6	7
93	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, 2021, 16, 16-23.	0.6	7
94	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.	0.6	6
95	Prostate minimally invasive procedures: complications and normal vs. abnormal findings on multiparametric magnetic resonance imaging (mpMRI). Abdominal Radiology, 2021, 46, 4388-4400.	2.1	6
96	Radiomics in Abdominopelvic Solid-Organ Oncologic Imaging: Current Status. American Journal of Roentgenology, 2022, 219, 985-995.	2.2	6
97	Graph-based active contours using shape priors for prostate segmentation with MRI. , 2011, , .		5
98	Pharmacokinetic analysis of prostate cancer using independent component analysis. Magnetic Resonance Imaging, 2015, 33, 1236-1245.	1.8	5
99	Bag of Bags: Nested Multi Instance Classification for Prostate Cancer Detection. , 2016, , .		5
100	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.	0.5	5
101	Supervised prostate cancer segmentation with multispectral MRI incorporating location information. , 2011, , .		4
102	Synthetic correlated diffusion imaging hyperintensity delineates clinically significant prostate cancer. Scientific Reports, 2022, 12, 3376.	3.3	4
103	Using relative contrast and iterative normalization for improved prostate cancer localization with multispectral MRI. , 2010, , .		3
104	Balancing the benefits and harms of MRI-directed biopsy pathways. European Radiology, 2022, 32, 2326-2329.	4.5	3
105	Automated prostate cancer localization with MRI without the need of manually extracted peripheral zone. , 2011, , .		2
106	Improved accuracy of quantitative parameter estimates in dynamic contrast-enhanced CT study with low temporal resolution. Medical Physics, 2015, 43, 388-400.	3.0	2
107	Sparse reconstruction of compressive sensing MRI using cross-domain stochastically fully connected conditional random fields. BMC Medical Imaging, 2016, 16, 51.	2.7	2
108	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.	1.6	2

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109	A protocol for the VISION study: An indiVidual patient data meta-analysis of randomised trials comparing MRI-targeted biopsy to standard transrectal ultraSound guided blopsy in the detection of prOstate cancer. PLoS ONE, 2022, 17, e0263345.	2.5	2
110	Exploring the value of using patient-oriented MRI reports in clinical practice â€" a pilot study. Supportive Care in Cancer, 2022, 30, 6857-6876.	2.2	2
111	Improved prostate cancer localization with spatially regularized dynamic contrast-enhanced magnetic resonance imaging. , 2010, , .		1
112	Reply by Authors. Journal of Urology, 2021, 205, 779-779.	0.4	1
113	Impact of multiparametric endorectal coil prostate MRI on disease reclassification among active surveillance candidates: A prospective cohort study.. Journal of Clinical Oncology, 2012, 30, 30-30.	1.6	1
114	MRI-guided Transurethral Thermal Therapy for Prostate Disease: In-vivo Demonstration in a Canine Model. AIP Conference Proceedings, 2006, , .	0.4	0
115	A task-based approach to parametric imaging with dynamic contrast enhanced MRI. , 2011, , .		0
116	Using independent components analysis to calculate intravascular contrast agent concentration in prostate cancer. , 2013, , .		0
117	Why we need a vendor neutral specification for delineating prostate cancer with mpMRI. Abdominal Radiology, 2016, 41, 801-802.	2.1	0
118	Beyond the AJR: â€œPopulation-Based Prostate Cancer Screening With Magnetic Resonance Imaging or Ultrasonography: The IP1-PROSTAGRAM Studyâ€• American Journal of Roentgenology, 2021, , 1.	2.2	0
119	Editorial Comment. Journal of Urology, 2022, 207, 106.	0.4	0
120	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.	1.6	0
121	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.	1.6	0
122	Reply by Authors. Journal of Urology, 2019, 202, 1165-1165.	0.4	0
123	Reply by Authors. Journal of Urology, 2020, 203, 1093-1093.	0.4	0
124	Itâ€™s Time for a Standardized MRI Assessment Scheme for Prostate Cancer Recurrence. Radiology, 2022, , 220701.	7.3	0