Baris Turkbey

List of Publications by Citations

256	13,289	59	109
papers	citations	h-index	g-index
275	16,167	6.9	6.42
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
256	Comparison of MR/ultrasound fusion-guided biopsy with ultrasound-guided biopsy for the diagnosis of prostate cancer. *JAMA - Journal of the American Medical Association*, **2015**, 313, 390-7	27.4	999
255	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
254	Multiparametric 3T prostate magnetic resonance imaging to detect cancer: histopathological correlation using prostatectomy specimens processed in customized magnetic resonance imaging based molds. *Journal of Urology*, **2011**, 186, 1818-24	2.5	380
253	Prostate cancer: value of multiparametric MR imaging at 3 T for detection--histopathologic correlation. *Radiology*, **2010**, 255, 89-99	20.5	377
252	Magnetic resonance imaging/ultrasound-fusion biopsy significantly upgrades prostate cancer versus systematic 12-core transrectal ultrasound biopsy. *European Urology*, **2013**, 64, 713-719	10.2	367
251	Magnetic resonance imaging/ultrasound fusion guided prostate biopsy improves cancer detection following transrectal ultrasound biopsy and correlates with multiparametric magnetic resonance imaging. *Journal of Urology*, **2011**, 186, 1281-5	2.5	367
250	Is apparent diffusion coefficient associated with clinical risk scores for prostate cancers that are visible on 3-T MR images?. *Radiology*, **2011**, 258, 488-95	20.5	327
249	Standards of reporting for MRI-targeted biopsy studies (START) of the prostate: recommendations from an International Working Group. *European Urology*, **2013**, 64, 544-52	10.2	309
248	Interobserver Reproducibility of the PI-RADS Version 2 Lexicon: A Multicenter Study of Six Experienced Prostate Radiologists. *Radiology*, **2016**, 280, 793-804	20.5	306
247	Prostate Cancer: Interobserver Agreement and Accuracy with the Revised Prostate Imaging Reporting and Data System at Multiparametric MR Imaging. *Radiology*, **2015**, 277, 741-50	20.5	256
246	Real-time MRI-TRUS fusion for guidance of targeted prostate biopsies. *Computer Aided Surgery*, **2008**, 13, 255-64		239
245	MRI-Targeted, Systematic, and Combined Biopsy for Prostate Cancer Diagnosis. *New England Journal of Medicine*, **2020**, 382, 917-928	59.2	235
244	Overview of dynamic contrast-enhanced MRI in prostate cancer diagnosis and management. *American Journal of Roentgenology*, **2012**, 198, 1277-88	5.4	202
243	Artificial intelligence for the detection of COVID-19 pneumonia on chest CT using multinational datasets. *Nature Communications*, **2020**, 11, 4080	17.4	202
242	Multiparametric magnetic resonance imaging and ultrasound fusion biopsy detect prostate cancer in patients with prior negative transrectal ultrasound biopsies. *Journal of Urology*, **2012**, 188, 2152-2157	2.5	199
241	Prostate cancer: can multiparametric MR imaging help identify patients who are candidates for active surveillance?. *Radiology*, **2013**, 268, 144-52	20.5	181
240	Accuracy of multiparametric magnetic resonance imaging in confirming eligibility for active surveillance for men with prostate cancer. *Cancer*, **2013**, 119, 3359-66	6.4	181

239	Utility of multiparametric magnetic resonance imaging suspicion levels for detecting prostate cancer. *Journal of Urology*, **2013**, 190, 1721-1727	2.5	162
238	Improving detection of clinically significant prostate cancer: magnetic resonance imaging/transrectal ultrasound fusion guided prostate biopsy. *Journal of Urology*, **2014**, 191, 1749-54	2.5	155
237	Imaging localized prostate cancer: current approaches and new developments. *American Journal of Roentgenology*, **2009**, 192, 1471-80	5.4	153
236	Correlation of magnetic resonance imaging tumor volume with histopathology. *Journal of Urology*, **2012**, 188, 1157-1163	2.5	152
235	Intravoxel incoherent motion MR imaging for prostate cancer: an evaluation of perfusion fraction and diffusion coefficient derived from different b-value combinations. *Magnetic Resonance in Medicine*, **2013**, 69, 553-62	4.4	145
234	Accuracy and agreement of PIRADSv2 for prostate cancer mpMRI: A multireader study. *Journal of Magnetic Resonance Imaging*, **2017**, 45, 579-585	5.6	135
233	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
232	Comparison of endorectal coil and nonendorectal coil T2W and diffusion-weighted MRI at 3 Tesla for localizing prostate cancer: correlation with whole-mount histopathology. *Journal of Magnetic Resonance Imaging*, **2014**, 39, 1443-8	5.6	123
231	Localized prostate cancer detection with 18F FACBC PET/CT: comparison with MR imaging and histopathologic analysis. *Radiology*, **2014**, 270, 849-56	20.5	122
230	Prostate Imaging-Reporting and Data System Steering Committee: PI-RADS v2 Status Update and Future Directions. *European Urology*, **2019**, 75, 385-396	10.2	121
229	Diagnostic value of biparametric magnetic resonance imaging (MRI) as an adjunct to prostate-specific antigen (PSA)-based detection of prostate cancer in men without prior biopsies. *BJU International*, **2015**, 115, 381-8	5.6	118
228	What Are We Missing? False-Negative Cancers at Multiparametric MR Imaging of the Prostate. *Radiology*, **2018**, 286, 186-195	20.5	117
227	Use of serial multiparametric magnetic resonance imaging in the management of patients with prostate cancer on active surveillance. *Urologic Oncology: Seminars and Original Investigations*, **2015**, 33, 202.e1-202.e7	2.8	115
226	11C-Acetate PET/CT in localized prostate cancer: a study with MRI and histopathologic correlation. *Journal of Nuclear Medicine*, **2012**, 53, 538-45	8.9	111
225	In patients with a previous negative prostate biopsy and a suspicious lesion on magnetic resonance imaging, is a 12-core biopsy still necessary in addition to a targeted biopsy?. *BJU International*, **2015**, 115, 562-70	5.6	108
224	Prospective Evaluation of the Prostate Imaging Reporting and Data System Version 2 for Prostate Cancer Detection. *Journal of Urology*, **2016**, 196, 690-6	2.5	104
223	Prospective Evaluation of PI-RADS Version 2 Using the International Society of Urological Pathology Prostate Cancer Grade Group System. *Journal of Urology*, **2017**, 198, 583-590	2.5	100
222	D'Amico risk stratification correlates with degree of suspicion of prostate cancer on multiparametric magnetic resonance imaging. *Journal of Urology*, **2011**, 185, 815-20	2.5	99

221	Multiparametric prostate magnetic resonance imaging in the evaluation of prostate cancer. *Ca-A Cancer Journal for Clinicians*, **2016**, 66, 326-36	220.7	99
220	Multiparametric MRI in prostate cancer management. *Nature Reviews Clinical Oncology*, **2014**, 11, 346-53	19.4	97
219	Current status of magnetic resonance imaging (MRI) and ultrasonography fusion software platforms for guidance of prostate biopsies. *BJU International*, **2014**, 114, 641-52	5.6	96
218	Multiparametric magnetic resonance imaging (MRI) and subsequent MRI/ultrasonography fusion-guided biopsy increase the detection of anteriorly located prostate cancers. *BJU International*, **2014**, 114, E43-E49	5.6	95
217	Validation of the Dominant Sequence Paradigm and Role of Dynamic Contrast-enhanced Imaging in PI-RADS Version 2. *Radiology*, **2017**, 285, 859-869	20.5	94
216	A Magnetic Resonance Imaging-Based Prediction Model for Prostate Biopsy Risk Stratification. *JAMA Oncology*, **2018**, 4, 678-685	13.4	92
215	A method for correlating in vivo prostate magnetic resonance imaging and histopathology using individualized magnetic resonance-based molds. *Review of Scientific Instruments*, **2009**, 80, 104301	1.7	86
214	Multiparametric MRI and prostate cancer diagnosis and risk stratification. *Current Opinion in Urology*, **2012**, 22, 310-5	2.8	85
213	PI-RADS Steering Committee: The PI-RADS Multiparametric MRI and MRI-directed Biopsy Pathway. *Radiology*, **2019**, 292, 464-474	20.5	84
212	Discrete deformable model guided by partial active shape model for TRUS image segmentation. *IEEE Transactions on Biomedical Engineering*, **2010**, 57, 1158-66	5	83
211	Prostate Imaging Reporting and Data System (PI-RADS), Version 2: A Critical Look. *American Journal of Roentgenology*, **2016**, 206, 1179-83	5.4	81
210	Magnetic Resonance Imaging-Transrectal Ultrasound Guided Fusion Biopsy to Detect Progression in Patients with Existing Lesions on Active Surveillance for Low and Intermediate Risk Prostate Cancer. *Journal of Urology*, **2017**, 197, 640-646	2.5	78
209	Low suspicion lesions on multiparametric magnetic resonance imaging predict for the absence of high-risk prostate cancer. *BJU International*, **2012**, 110, E783-8	5.6	78
208	Variability of the Positive Predictive Value of PI-RADS for Prostate MRI across 26 Centers: Experience of the Society of Abdominal Radiology Prostate Cancer Disease-focused Panel. *Radiology*, **2020**, 296, 76-84	20.5	78
207	Computer aided-diagnosis of prostate cancer on multiparametric MRI: a technical review of current research. *BioMed Research International*, **2014**, 2014, 789561	3	76
206	Prostate MRI and 3D MR spectroscopy: how we do it. *American Journal of Roentgenology*, **2010**, 194, 1414-26	5.4	74
205	A Grading System for the Assessment of Risk of Extraprostatic Extension of Prostate Cancer at Multiparametric MRI. *Radiology*, **2019**, 290, 709-719	20.5	72
204	Update of the Standard Operating Procedure on the Use of Multiparametric Magnetic Resonance Imaging for the Diagnosis, Staging and Management of Prostate Cancer. *Journal of Urology*, **2020**, 203, 706-712	2.5	72

203	Combined Biparametric Prostate Magnetic Resonance Imaging and Prostate-specific Antigen in the Detection of Prostate Cancer: A Validation Study in a Biopsy-naive Patient Population. *Urology*, **2016**, 88, 125-34	1.6	71
202	PSMA PET and Radionuclide Therapy in Prostate Cancer. *Seminars in Nuclear Medicine*, **2016**, 46, 522-535	5.4	71
201	Missing the Mark: Prostate Cancer Upgrading by Systematic Biopsy over Magnetic Resonance Imaging/Transrectal Ultrasound Fusion Biopsy. *Journal of Urology*, **2017**, 197, 327-334	2.5	66
200	The Current State of MR Imaging-targeted Biopsy Techniques for Detection of Prostate Cancer. *Radiology*, **2017**, 285, 343-356	20.5	65
199	Automated prostate cancer detection using T2-weighted and high-b-value diffusion-weighted magnetic resonance imaging. *Medical Physics*, **2015**, 42, 2368-78	4.4	65
198	Can magnetic resonance-ultrasound fusion biopsy improve cancer detection in enlarged prostates?. *Journal of Urology*, **2013**, 190, 2020-2025	2.5	64
197	Risk of Upgrading from Prostate Biopsy to Radical Prostatectomy Pathology-Does Saturation Biopsy of Index Lesion during Multiparametric Magnetic Resonance Imaging-Transrectal Ultrasound Fusion Biopsy Help?. *Journal of Urology*, **2018**, 199, 976-982	2.5	59
196	Efficiency of Prostate Cancer Diagnosis by MR/Ultrasound Fusion-Guided Biopsy vs Standard Extended-Sextant Biopsy for MR-Visible Lesions. *Journal of the National Cancer Institute*, **2016**, 108,	9.7	59
195	The kinetics and reproducibility of 18F-sodium fluoride for oncology using current PET camera technology. *Journal of Nuclear Medicine*, **2012**, 53, 1175-84	8.9	57
194	Intra- and interreader reproducibility of PI-RADSv2: A multireader study. *Journal of Magnetic Resonance Imaging*, **2019**, 49, 1694-1703	5.6	57
193	Clinical implications of a multiparametric magnetic resonance imaging based nomogram applied to prostate cancer active surveillance. *Journal of Urology*, **2015**, 193, 1943-1949	2.5	55
192	Use of patient-specific MRI-based prostate mold for validation of multiparametric MRI in localization of prostate cancer. *Urology*, **2012**, 79, 233-9	1.6	54
191	Natural history of small index lesions suspicious for prostate cancer on multiparametric MRI: recommendations for interval imaging follow-up. *Diagnostic and Interventional Radiology*, **2014**, 20, 293-8	2.2	52
190	A Phase I Dosing Study of Ferumoxytol for MR Lymphography at 3 T in Patients With Prostate Cancer. *American Journal of Roentgenology*, **2015**, 205, 64-9	5.4	51
189	The Role of Magnetic Resonance Image Guided Prostate Biopsy in Stratifying Men for Risk of Extracapsular Extension at Radical Prostatectomy. *Journal of Urology*, **2015**, 194, 105-111	2.5	49
188	Accelerated T2 mapping for characterization of prostate cancer. *Magnetic Resonance in Medicine*, **2011**, 65, 1400-6	4.4	49
187	Added Value of Multiparametric Magnetic Resonance Imaging to Clinical Nomograms for Predicting Adverse Pathology in Prostate Cancer. *Journal of Urology*, **2018**, 200, 1041-1047	2.5	48
186	Identification of threshold prostate specific antigen levels to optimize the detection of clinically significant prostate cancer by magnetic resonance imaging/ultrasound fusion guided biopsy. *Journal of Urology*, **2014**, 192, 1642-8	2.5	48

185	Very distal apical prostate tumours: identification on multiparametric MRI at 3 Tesla. *BJU International*, **2012**, 110, E694-700	5.6	48
184	Comparison of calculated and acquired high b value diffusion-weighted imaging in prostate cancer. *Abdominal Imaging*, **2015**, 40, 578-86		47
183	Computer-aided diagnosis prior to conventional interpretation of prostate mpMRI: an international multi-reader study. *European Radiology*, **2018**, 28, 4407-4417	8	47
182	Clinical impact of PSMA-based F-DCFBC PET/CT imaging in patients with biochemically recurrent prostate cancer after primary local therapy. *European Journal of Nuclear Medicine and Molecular Imaging*, **2018**, 45, 4-11	8.8	47
181	Prostate Cancer: The European Society of Urogenital Radiology Prostate Imaging Reporting and Data System Criteria for Predicting Extraprostatic Extension by Using 3-T Multiparametric MR Imaging. *Radiology*, **2015**, 276, 479-89	20.5	45
180	Documenting the location of prostate biopsies with image fusion. *BJU International*, **2011**, 107, 53-7	5.6	45
179	Federated semi-supervised learning for COVID region segmentation in chest CT using multi-national data from China, Italy, Japan. *Medical Image Analysis*, **2021**, 70, 101992	15.4	45
178	Comparison of magnetic resonance imaging and ultrasound (MRI-US) fusion-guided prostate biopsies obtained from axial and sagittal approaches. *BJU International*, **2015**, 115, 772-9	5.6	42
177	Fully automated prostate segmentation on MRI: comparison with manual segmentation methods and specimen volumes. *American Journal of Roentgenology*, **2013**, 201, W720-9	5.4	42
176	Interreader Variability of Prostate Imaging Reporting and Data System Version 2 in Detecting and Assessing Prostate Cancer Lesions at Prostate MRI. *American Journal of Roentgenology*, **2019**, 1-8	5.4	41
175	Federated learning for predicting clinical outcomes in patients with COVID-19. *Nature Medicine*, **2021**, 27, 1735-1743	50.5	41
174	Multiparametric magnetic resonance imaging and image-guided biopsy to detect seminal vesicle invasion by prostate cancer. *Journal of Endourology*, **2014**, 28, 1283-9	2.7	40
173	Age-related changes in prostate zonal volumes as measured by high-resolution magnetic resonance imaging (MRI): a cross-sectional study in over 500 patients. *BJU International*, **2012**, 110, 1642-7	5.6	39
172	Validation of PI-RADS Version 2 in Transition Zone Lesions for the Detection of Prostate Cancer. *Radiology*, **2018**, 288, 485-491	20.5	38
171	Factors Influencing Variability in the Performance of Multiparametric Magnetic Resonance Imaging in Detecting Clinically Significant Prostate Cancer: A Systematic Literature Review. *European Urology Oncology*, **2020**, 3, 145-167	6.7	37
170	Imaging prostate cancer: an update on positron emission tomography and magnetic resonance imaging. *Current Urology Reports*, **2010**, 11, 180-90	2.9	37
169	Can computer-aided diagnosis assist in the identification of prostate cancer on prostate MRI? a multi-center, multi-reader investigation. *Oncotarget*, **2018**, 9, 33804-33817	3.3	37
168	Tumor contact with prostate capsule on magnetic resonance imaging: A potential biomarker for staging and prognosis. *Urologic Oncology: Seminars and Original Investigations*, **2017**, 35, 30.e1-30.e8	2.8	36

167	The role of MRI in active surveillance for prostate cancer. *Current Urology Reports*, **2015**, 16, 42	2.9	36
166	Advances in medical imaging for the diagnosis and management of common genitourinary cancers. *Urologic Oncology: Seminars and Original Investigations*, **2017**, 35, 473-491	2.8	35
165	Recent advances in image-guided targeted prostate biopsy. *Abdominal Imaging*, **2015**, 40, 1788-99		35
164	Lymph node staging in prostate cancer. *Current Urology Reports*, **2015**, 16, 30	2.9	35
163	Deep dense multi-path neural network for prostate segmentation in magnetic resonance imaging. *International Journal of Computer Assisted Radiology and Surgery*, **2018**, 13, 1687-1696	3.9	35
162	PIRADS 2.0: what is new?. *Diagnostic and Interventional Radiology*, **2015**, 21, 382-4	3.2	34
161	Artificial intelligence at the intersection of pathology and radiology in prostate cancer. *Diagnostic and Interventional Radiology*, **2019**, 25, 183-188	3.2	33
160	Optimal high b-value for diffusion weighted MRI in diagnosing high risk prostate cancers in the peripheral zone. *Journal of Magnetic Resonance Imaging*, **2017**, 45, 125-131	5.6	33
159	Active surveillance for prostate cancer: past, present and future. *Current Opinion in Oncology*, **2012**, 24, 243-50	4.2	33
158	Imaging of renal cell carcinoma. *Urologic Oncology: Seminars and Original Investigations*, **2016**, 34, 147-55	2.8	32
157	DCE MRI of prostate cancer. *Abdominal Radiology*, **2016**, 41, 844-53	3	32
156	Posterior subcapsular prostate cancer: identification with mpMRI and MRI/TRUS fusion-guided biopsy. *Abdominal Imaging*, **2015**, 40, 2557-65		31
155	Clinical value of prostate segmentation and volume determination on MRI in benign prostatic hyperplasia. *Diagnostic and Interventional Radiology*, **2014**, 20, 229-33	3.2	31
154	Multiparametric Magnetic Resonance Imaging of Recurrent Prostate Cancer. *Topics in Magnetic Resonance Imaging*, **2016**, 25, 139-47	2.3	30
153	Multiparametric magnetic resonance imaging-transrectal ultrasound fusion-assisted biopsy for the diagnosis of local recurrence after radical prostatectomy. *Urologic Oncology: Seminars and Original Investigations*, **2015**, 33, 425.e1-425.e6	2.8	29
152	A Prospective Comparison of F-Sodium Fluoride PET/CT and PSMA-Targeted F-DCFBC PET/CT in Metastatic Prostate Cancer. *Journal of Nuclear Medicine*, **2018**, 59, 1665-1671	8.9	29
151	PET/CT imaging of renal cell carcinoma with (18)F-VM4-037: a phase II pilot study. *Abdominal Radiology*, **2016**, 41, 109-18	3	29
150	Standardized Nomenclature and Surveillance Methodologies After Focal Therapy and Partial Gland Ablation for Localized Prostate Cancer: An International Multidisciplinary Consensus. *European Urology*, **2020**, 78, 371-378	10.2	28

149	The role of image guided biopsy targeting in patients with atypical small acinar proliferation. *Journal of Urology*, **2015**, 193, 473-478	2.5	28
148	Prostate cancer: top places where tumors hide on multiparametric MRI. *American Journal of Roentgenology*, **2015**, 204, W449-56	5.4	27
147	Functional and Targeted Lymph Node Imaging in Prostate Cancer: Current Status and Future Challenges. *Radiology*, **2017**, 285, 728-743	20.5	27
146	Magnetic resonance imaging (MRI)-guided transurethral ultrasound therapy of the prostate: a preclinical study with radiological and pathological correlation using customised MRI-based moulds. *BJU International*, **2013**, 112, 508-16	5.6	27
145	Prostate MR Imaging for Posttreatment Evaluation and Recurrence. *Radiologic Clinics of North America*, **2018**, 56, 263-275	2.3	26
144	Evaluation of Prostate Cancer with PET/MRI. *Journal of Nuclear Medicine*, **2016**, 57, 111S-116S	8.9	26
143	Imaging Locally Advanced, Recurrent, and Metastatic Prostate Cancer: A Review. *JAMA Oncology*, **2017**, 3, 1415-1422	13.4	25
142	Radiomics and radiogenomics of prostate cancer. *Abdominal Radiology*, **2019**, 44, 2021-2029	3	25
141	Prostate Cancer: A Correlative Study of Multiparametric MR Imaging and Digital Histopathology. *Radiology*, **2017**, 285, 147-156	20.5	25
140	Deep-Learning-Based Artificial Intelligence for PI-RADS Classification to Assist Multiparametric Prostate MRI Interpretation: A Development Study. *Journal of Magnetic Resonance Imaging*, **2020**, 52, 1499-1507	5.6	24
139	Positron emission tomography (PET) in primary prostate cancer staging and risk assessment. *Translational Andrology and Urology*, **2017**, 6, 413-423	2.3	24
138	Does Abstinence From Ejaculation Before Prostate MRI Improve Evaluation of the Seminal Vesicles?. *American Journal of Roentgenology*, **2016**, 207, 1205-1209	5.4	24
137	Determination of disease severity in COVID-19 patients using deep learning in chest X-ray images. *Diagnostic and Interventional Radiology*, **2021**, 27, 20-27	3.2	24
136	Detection of prostate cancer in multiparametric MRI using random forest with instance weighting. *Journal of Medical Imaging*, **2017**, 4, 024506	2.6	23
135	All over the map: An interobserver agreement study of tumor location based on the PI-RADSv2 sector map. *Journal of Magnetic Resonance Imaging*, **2018**, 48, 482-490	5.6	23
134	Prostate cancer detection from multi-institution multiparametric MRIs using deep convolutional neural networks. *Journal of Medical Imaging*, **2018**, 5, 044507	2.6	23
133	MRI of localized prostate cancer: coming of age in the PSA era. *Diagnostic and Interventional Radiology*, **2012**, 18, 34-45	3.2	22
132	Active Surveillance of Prostate Cancer: Use, Outcomes, Imaging, and Diagnostic Tools. *American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting*, **2016**, 35, e235-45	7.1	22

131	Keeping up with the prostate-specific membrane antigens (PSMAs): an introduction to a new class of positron emission tomography (PET) imaging agents. *Translational Andrology and Urology*, **2018**, 7, 831-843	2.3	22
130	The significance of anterior prostate lesions on multiparametric magnetic resonance imaging in African-American men. *Urologic Oncology: Seminars and Original Investigations*, **2016**, 34, 254.e15-21	2.8	21
129	Follow-up of negative MRI-targeted prostate biopsies: when are we missing cancer?. *World Journal of Urology*, **2019**, 37, 235-241	4	20
128	Risk stratification of prostate cancer utilizing apparent diffusion coefficient value and lesion volume on multiparametric MRI. *Journal of Magnetic Resonance Imaging*, **2017**, 45, 610-616	5.6	20
127	18F-DCFBC Prostate-Specific Membrane Antigen-Targeted PET/CT Imaging in Localized Prostate Cancer: Correlation With Multiparametric MRI and Histopathology. *Clinical Nuclear Medicine*, **2017**, 42, 735-740	1.7	19
126	A urologist@ perspective on prostate cancer imaging: past, present, and future. *Abdominal Radiology*, **2016**, 41, 805-16	3	19
125	PI-RADS: Past, present, and future. *Journal of Magnetic Resonance Imaging*, **2020**, 52, 33-53	5.6	19
124	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
123	Functional and molecular imaging of localized and recurrent prostate cancer. *European Journal of Nuclear Medicine and Molecular Imaging*, **2013**, 40 Suppl 1, S48-59	8.8	18
122	Fusion prostate biopsy outperforms 12-core systematic prostate biopsy in patients with prior negative systematic biopsy: A multi-institutional analysis. *Urologic Oncology: Seminars and Original Investigations*, **2018**, 36, 341.e1-341.e7	2.8	18
121	Prospective comparison of PI-RADS version 2 and qualitative in-house categorization system in detection of prostate cancer. *Journal of Magnetic Resonance Imaging*, **2018**, 48, 1326-1335	5.6	17
120	Prostate Cancer Diagnosis on Repeat Magnetic Resonance Imaging-Transrectal Ultrasound Fusion Biopsy of Benign Lesions: Recommendations for Repeat Sampling. *Journal of Urology*, **2016**, 196, 62-7	2.5	17
119	Image-guided focal therapy for prostate cancer. *Diagnostic and Interventional Radiology*, **2014**, 20, 492-7	3.2	17
118	Predicting Gleason Group Progression for Men on Prostate Cancer Active Surveillance: Role of a Negative Confirmatory Magnetic Resonance Imaging-Ultrasound Fusion Biopsy. *Journal of Urology*, **2019**, 201, 84-90	2.5	17
117	Does focal incidental 18F-FDG PET/CT uptake in the prostate have significance?. *Abdominal Imaging*, **2015**, 40, 3222-9		16
116	Imaging the High-risk Prostate Cancer Patient: Current and Future Approaches to Staging. *Urology*, **2018**, 116, 3-12	1.6	16
115	Can Apparent Diffusion Coefficient Values Assist PI-RADS Version 2 DWI Scoring? A Correlation Study Using the PI-RADSv2 and International Society of Urological Pathology Systems. *American Journal of Roentgenology*, **2018**, 211, W33-W41	5.4	16
114	Impact of bowel preparation with Fleet@Enema on prostate MRI quality. *Abdominal Radiology*, **2020**, 45, 4252-4259	3	15

113	Reproducibility of Multiparametric Magnetic Resonance Imaging and Fusion Guided Prostate Biopsy: Multi-Institutional External Validation by a Propensity Score Matched Cohort. *Journal of Urology*, **2016**, 195, 1737-43	2.5	15
112	Data Augmentation and Transfer Learning to Improve Generalizability of an Automated Prostate Segmentation Model. *American Journal of Roentgenology*, **2020**, 215, 1403-1410	5.4	15
111	Active Surveillance of Prostate Cancer: Use, Outcomes, Imaging, and Diagnostic Tools. *American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting*, **2016**, 35, e235-e245	7.1	15
110	Advancement of MR and PET/MR in Prostate Cancer. *Seminars in Nuclear Medicine*, **2016**, 46, 536-543	5.4	14
109	Prostate biopsy for the interventional radiologist. *Journal of Vascular and Interventional Radiology*, **2014**, 25, 675-84	2.4	14
108	Quantitative Prostate MRI. *Journal of Magnetic Resonance Imaging*, **2021**, 53, 1632-1645	5.6	14
107	Ultra-small superparamagnetic iron oxide contrast agents for lymph node staging of high-risk prostate cancer. *Translational Andrology and Urology*, **2018**, 7, S453-S461	2.3	14
106	Positron emission tomography (PET) radiotracers for prostate cancer imaging. *Abdominal Radiology* , **2020**, 45, 2165-2175	3	13
105	Prostate MR Imaging for Posttreatment Evaluation and Recurrence. *Urologic Clinics of North America*, **2018**, 45, 467-479	2.9	13
104	Role of multiparametric magnetic resonance imaging in the diagnosis of prostate cancer. *Current Urology Reports*, **2014**, 15, 387	2.9	13
103	Quality of Prostate MRI: Is the PI-RADS Standard Sufficient?. *Academic Radiology*, **2021**, 28, 199-207	4.3	13
102	Ruling out clinically significant prostate cancer with negative multi-parametric MRI. *International Urology and Nephrology*, **2018**, 50, 7-12	2.3	13
101	PI-RADSv2: How we do it. *Journal of Magnetic Resonance Imaging*, **2017**, 46, 11-23	5.6	12
100	Magnetic resonance sentinel lymph node imaging of the prostate with gadofosveset trisodium-albumin: preliminary results in a canine model. *Academic Radiology*, **2015**, 22, 646-52	4.3	12
99	Improving detection of prostate cancer foci via information fusion of MRI and temporal enhanced ultrasound. *International Journal of Computer Assisted Radiology and Surgery*, **2020**, 15, 1215-1223	3.9	12
98	Magnetic resonance lymphography of the thoracic duct after interstitial injection of gadofosveset trisodium: a pilot dosing study in a porcine model. *Lymphatic Research and Biology*, **2014**, 12, 32-6	2.3	12
97	Imaging of distant metastases of prostate cancer. *Medical Oncology*, **2018**, 35, 148	3.7	12
96	Evaluating the Role of mpMRI in Prostate Cancer Assessment. *Expert Review of Medical Devices*, **2016**, 13, 129-41	3.5	11

95	Multicenter Multireader Evaluation of an Artificial Intelligence-Based Attention Mapping System for the Detection of Prostate Cancer With Multiparametric MRI. *American Journal of Roentgenology*, **2020**, 215, 903-912	5.4	11
94	Differentiating Transition Zone Cancers From Benign Prostatic Hyperplasia by Quantitative Multiparametric Magnetic Resonance Imaging. *Journal of Computer Assisted Tomography*, **2016**, 40, 218-24	2.2	11
93	PI-RADS v2: Current standing and future outlook. *Turkish Journal of Urology*, **2018**, 44, 189-194	1.3	11
92	Multiparametric MRI for the detection of local recurrence of prostate cancer in the setting of biochemical recurrence after low dose rate brachytherapy. *Diagnostic and Interventional Radiology*, **2018**, 24, 46-53	3.2	11
91	Novel Imaging in Detection of Metastatic Prostate Cancer. *Current Oncology Reports*, **2019**, 21, 31	6.3	10
90	A case report of multiple primary prostate tumors with differential drug sensitivity. *Nature Communications*, **2020**, 11, 837	17.4	10
89	Quantitative Image Quality Comparison of Reduced- and Standard-Dose Dual-Energy Multiphase Chest, Abdomen, and Pelvis CT. *Tomography*, **2017**, 3, 114-122	3.1	10
88	A Multireader Exploratory Evaluation of Individual Pulse Sequence Cancer Detection on Prostate Multiparametric Magnetic Resonance Imaging (MRI). *Academic Radiology*, **2019**, 26, 5-14	4.3	10
87	Evaluating Biochemically Recurrent Prostate Cancer: Histologic Validation of F-DCFPyL PET/CT with Comparison to Multiparametric MRI. *Radiology*, **2020**, 296, 564-572	20.5	9
86	Future Perspectives and Challenges of Prostate MR Imaging. *Radiologic Clinics of North America*, **2018**, 56, 327-337	2.3	9
85	Should Hypoechoic Lesions on Transrectal Ultrasound Be Sampled During Magnetic Resonance Imaging-targeted Prostate Biopsy?. *Urology*, **2017**, 105, 113-117	1.6	9
84	A multiparametric magnetic resonance imaging-based virtual reality surgical navigation tool for robotic-assisted radical prostatectomy. *Turkish Journal of Urology*, **2019**, 45, 357-365	1.3	9
83	Using Prostate Imaging-Reporting and Data System (PI-RADS) Scores to Select an Optimal Prostate Biopsy Method: A Secondary Analysis of the Trio Study. *European Urology Oncology*, **2021**,	6.7	9
82	Evaluating the size criterion for PI-RADSv2 category 5 upgrade: is 15 mm the best threshold?. *Abdominal Radiology*, **2018**, 43, 3436-3444	3	9
81	The Problems with the Kappa Statistic as a Metric of Interobserver Agreement on Lesion Detection Using a Third-reader Approach When Locations Are Not Prespecified. *Academic Radiology*, **2018**, 25, 1325-1332	4.3	8
80	Ferumoxytol as an intraprostatic MR contrast agent for lymph node mapping of the prostate: a feasibility study in non-human primates. *Acta Radiologica*, **2016**, 57, 1396-1401	2	8
79	MR lymphangiography with intradermal gadofosveset and human serum albumin in mice and primates. *Journal of Magnetic Resonance Imaging*, **2014**, 40, 691-7	5.6	8
78	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

77	Rapid Artificial Intelligence Solutions in a Pandemic - The COVID-19-20 Lung CT Lesion Segmentation Challenge **2021**,		8
76	Midline lesions of the prostate: role of MRI/TRUS fusion biopsy and implications in Gleason risk stratification. *International Urology and Nephrology*, **2016**, 48, 1445-52	2.3	8
75	Ferumoxytol-Enhanced MR Lymphography for Detection of Metastatic Lymph Nodes in Genitourinary Malignancies: A Prospective Study. *American Journal of Roentgenology*, **2020**, 214, 105-113	5.4	8
74	Role of multiparametric prostate MRI in the management of prostate cancer. *World Journal of Urology*, **2021**, 39, 651-659	4	8
73	Prospective Evaluation of F-DCFPyL PET/CT in Detection of High-Risk Localized Prostate Cancer: Comparison With mpMRI. *American Journal of Roentgenology*, **2020**, 215, 652-659	5.4	7
72	Prospective Evaluation of PI-RADS Version 2.1 for Prostate Cancer Detection. *American Journal of Roentgenology*, **2020**, 1-6	5.4	7
71	Engaging and educating patients in prostate imaging via social media. *Abdominal Radiology*, **2016**, 41, 798	3	7
70	CT and clinical assessment in asymptomatic and pre-symptomatic patients with early SARS-CoV-2 in outbreak settings. *European Radiology*, **2021**, 31, 3165-3176	8	7
69	A Cascaded Deep Learning-Based Artificial Intelligence Algorithm for Automated Lesion Detection and Classification on Biparametric Prostate Magnetic Resonance Imaging. *Academic Radiology*, **2021**,	4.3	7
68	Use of multiparametric magnetic resonance imaging (mpMRI) in localized prostate cancer. *Expert Review of Medical Devices*, **2020**, 17, 435-442	3.5	6
67	Pilot study for supervised target detection applied to spatially registered multiparametric MRI in order to non-invasively score prostate cancer. *Computers in Biology and Medicine*, **2018**, 94, 65-73	7	6
66	Clinical value of FDG PET/MRI in muscle-invasive, locally advanced, and metastatic bladder cancer. *Urologic Oncology: Seminars and Original Investigations*, **2021**, 39, 787.e17-787.e21	2.8	6
65	Federated Learning used for predicting outcomes in SARS-COV-2 patients **2021**,		6
64	A Case of In-Bore Transperineal MRI-Guided Prostate Biopsy of a Patient with Ileal Pouch-Anal Anastomosis. *Case Reports in Urology*, **2015**, 2015, 676930	0.5	5
63	Decade in review-imaging: a decade in image-guided prostate biopsy. *Nature Reviews Urology*, **2014**, 11, 611-2	5.5	5
62	Current Ability of Multiparametric Prostate Magnetic Resonance Imaging and Targeted Biopsy to Improve the Detection of Prostate Cancer. *Urology Practice*, **2014**, 1, 13-21	0.8	5
61	Rapid perceptual processing in two- and three-dimensional prostate images. *Journal of Medical Imaging*, **2020**, 7, 022406	2.6	5
60	MRI characterization of the dynamic effects of 5α-reductase inhibitors on prostate zonal volumes. *Canadian Journal of Urology*, **2013**, 20, 7002-7	0.8	5

59	PRECISION MANAGEMENT OF LOCALIZED PROSTATE CANCER. *Expert Review of Precision Medicine and Drug Development*, **2016**, 1, 505-515	1.6	5
58	Sequential Prostate Magnetic Resonance Imaging in Newly Diagnosed High-risk Prostate Cancer Treated with Neoadjuvant Enzalutamide is Predictive of Therapeutic Response. *Clinical Cancer Research*, **2021**, 27, 429-437	12.9	5
57	Pattern of failure in prostate cancer previously treated with radical prostatectomy and post-operative radiotherapy: a secondary analysis of two prospective studies using novel molecular imaging techniques. *Radiation Oncology*, **2021**, 16, 32	4.2	5
56	Prostate Imaging Reporting and Data System Version 2 for MRI of Prostate Cancer: Can We Do Better?. *American Journal of Roentgenology*, **2019**, 212, 1244-1252	5.4	4
55	Update: PI-RADS Version 2.1-A Pictorial Update. *Radiographics*, **2020**, 40, E33-E37	5.4	4
54	Prostate cancer: Birth of a standard: MET-RADS-P for metastatic prostate cancer. *Nature Reviews Urology*, **2016**, 13, 568-70	5.5	4
53	When to Biopsy the Seminal Vesicles: A Validated Multiparametric Magnetic Resonance Imaging and Target Driven Model to Detect Seminal Vesicle Invasion in Prostate Cancer. *Journal of Urology*, **2019**,	2.5	4
52	Assessment of the compliance with minimum acceptable technical parameters proposed by PI-RADS v2 guidelines in multiparametric prostate MRI acquisition in tertiary referral hospitals in the Republic of Turkey. *Diagnostic and Interventional Radiology*, **2019**, 25, 421-427	3.2	4
51	Changes in Magnetic Resonance Imaging Using the Prostate Cancer Radiologic Estimation of Change in Sequential Evaluation Criteria to Detect Prostate Cancer Progression for Men on Active Surveillance. *European Urology Oncology*, **2021**, 4, 227-234	6.7	4
50	Why Does Magnetic Resonance Imaging-Targeted Biopsy Miss Clinically Significant Cancer?. *Journal of Urology*, **2022**, 207, 95-107	2.5	4
49	Deep learning-based artificial intelligence applications in prostate MRI: brief summary. *British Journal of Radiology*, **2021**, 20210563	3.4	3
48	Comparison of cross-sectional imaging techniques for the detection of prostate cancer lymph node metastasis: a critical review. *Translational Andrology and Urology*, **2020**, 9, 1415-1427	2.3	3
47	Prognostic Features of Biochemical Recurrence of Prostate Cancer Following Radical Prostatectomy Based on Multiparametric MRI and Immunohistochemistry Analysis of MRI-guided Biopsy Specimens. *Radiology*, **2021**, 299, 613-623	20.5	3
46	Deep Learning Based Staging of Bone Lesions From Computed Tomography Scans. *IEEE Access*, **2021**, 9, 87531-87542	3.5	3
45	Algorithms applied to spatially registered multi-parametric MRI for prostate tumor volume measurement. *Quantitative Imaging in Medicine and Surgery*, **2021**, 11, 119-132	3.6	3
44	Prostate Magnetic Resonance Imaging: Lesion Detection and Local Staging. *Annual Review of Medicine*, **2019**, 70, 451-459	17.4	2
43	Using Imaging to Predict Treatment Response in Genitourinary Malignancies. *European Urology Focus*, **2018**, 4, 804-817	5.1	2
42	PI-RADS Category as a Predictor of Progression to Unfavorable Risk Prostate Cancer in Men on Active Surveillance. *Journal of Urology*, **2020**, 204, 1229-1235	2.5	2

41	Role of mpMRI in Benign Prostatic Hyperplasia Assessment and Treatment. *Current Urology Reports*, **2020**, 21, 55	2.9	2
40	Reply to "Standardizing Biparametric MRI to Simplify and Improve Prostate Imaging Reporting and Data System, Version 2, in Prostate Cancer Management". *American Journal of Roentgenology*, **2016**, 207, W76	5.4	2
39	PI-RADSv2.1: Current status. *Turkish Journal of Urology*, **2021**, 47, S45-S48	1.3	2
38	Correlation of prostate tumor eccentricity and Gleason scoring from prostatectomy and multi-parametric-magnetic resonance imaging. *Quantitative Imaging in Medicine and Surgery*, **2021**, 11, 4235-4244	3.6	2
37	Diagnostic Accuracy and Observer Agreement of the MRI Prostate Imaging for Recurrence Reporting Assessment Score.. *Radiology*, **2022**, 212252	20.5	2
36	Current Role of Magnetic Resonance Imaging in Prostate Cancer. *Current Radiology Reports*, **2017**, 5, 1	0.5	1
35	Interactive Feature Space Explorer□ for multi-modal magnetic resonance imaging. *Magnetic Resonance Imaging*, **2015**, 33, 804-15	3.3	1
34	Can fast bi-parametric MRI help prostate cancer detection in biopsy naive men?. *Chinese Clinical Oncology*, **2020**, 9, 40	2.3	1
33	What You Need to Know Before Reading Multiparametric MRI for Prostate Cancer. *American Journal of Roentgenology*, **2020**, 214, 1211-1219	5.4	1
32	Incorporating imaging into personalized medicine for the detection of prostate cancer: Pharmacological research-Urogenital pharmacology. *Pharmacological Research*, **2016**, 114, 163-165	10.2	1
31	Clinical Application of Artificial Intelligence in Positron Emission Tomography: Imaging of Prostate Cancer. *PET Clinics*, **2022**, 17, 137-143	2.2	1
30	Artificial intelligence assisted bone lesion detection and classification in computed tomography scans of prostate cancer patients.. *Journal of Clinical Oncology*, **2020**, 38, e17567-e17567	2.2	1
29	Combined MRI-targeted Plus Systematic Confirmatory Biopsy Improves Risk Stratification for Patients Enrolling on Active Surveillance for Prostate Cancer. *Urology*, **2020**, 144, 164-170	1.6	1
28	Risk of adverse pathology at prostatectomy in the era of MRI and targeted biopsies; rethinking active surveillance for intermediate risk prostate cancer patients. *Urologic Oncology: Seminars and Original Investigations*, **2021**, 39, 729.e1-729.e6	2.8	1
27	The need for standardization of reporting in prostate MRI. *Nature Reviews Urology*, **2021**, 18, 195-196	5.5	1
26	PROSTATE-SPECIFIC Membrane Antigen Is a Biomarker for Residual Disease Following Neoadjuvant Intense Androgen Deprivation Therapy in Prostate Cancer.. *Journal of Urology*, **2022**, 101097JU0000000000002492	2.5	1
25	Artificial Intelligence-based Tumor Segmentation in Mouse Models of Lung Adenocarcinoma.. *Journal of Pathology Informatics*, **2022**, 13, 100007	4.4	1
24	Advances in Prostate Magnetic Resonance Imaging. *Magnetic Resonance Imaging Clinics of North America*, **2020**, 28, 407-414	1.6	0

#	Reference	IF	Cites
23	Deep learning-based artificial intelligence for prostate cancer detection at biparametric MRI.. *Abdominal Radiology*, **2022**, 47, 1425	3	0
22	Development and testing quantitative metrics from multi-parametric magnetic resonance imaging that predict Gleason score for prostate tumors.. *Quantitative Imaging in Medicine and Surgery*, **2022**, 12, 1859-1870	3.6	0
21	Prostate tumor eccentricity predicts Gleason score better than prostate tumor volume.. *Quantitative Imaging in Medicine and Surgery*, **2022**, 12, 1096-1108	3.6	0
20	Practice Patterns and Challenges of Performing and Interpreting Prostate MRI: A Survey by the Society of Abdominal Radiology Prostate Disease-Focused Panel. *American Journal of Roentgenology*, **2021**, 216, 952-959	5.4	0
19	Quantitative Characterization of the Prostatic Urethra Using MRI: Implications for Lower Urinary Tract Symptoms in Patients with Benign Prostatic Hyperplasia. *Academic Radiology*, **2021**, 28, 664-670	4.3	0
18	Editorial Comment: MRI for Benign Prostatic Hyperplasia-An Underutilized Imaging Opportunity. *American Journal of Roentgenology*, **2021**, 13	5.4	0
17	The Importance of Quality in Prostate MRI. *Seminars in Roentgenology*, **2021**, 56, 384-390	0.8	0
16	Information Bottleneck Attribution for Visual Explanations of Diagnosis and Prognosis. *Lecture Notes in Computer Science*, **2021**, 396-405	0.9	0
15	Role of Magnetic Resonance Imaging in Prostate Cancer Assessment. *Current Clinical Urology*, **2017**, 161-176		
14	Reply to Byung Kwan Park@ Letter to the Editor re: Baris Turkbey, Andrew B. Rosenkrantz, Masoom A. Haider, et al. Prostate Imaging Reporting and Data System Version 2.1: 2019 Update of Prostate Imaging Reporting and Data System Version 2. Eur Urol 2019;76:329-40. *European Urology*, **2019**, 76, e79	10.2	
13	Diffusion-Weighted Imaging in Magnetic Resonance Imaging of the Prostate **2018**, 167-178		
12	Imaging in Localized Prostate Cancer **2016**, 91-99		
11	Focal Laser Ablation for Prostate Cancer **2021**, 215-226		
10	Successful SBRT for post-brachytherapy prostate recurrence and penile bulb metastasis. *Advances in Radiation Oncology*, **2021**, 100860	3.3	
9	Role of MRI in Prostate Cancer Assessment **2021**, 81-94		
8	Post-processing of Prostate MRI **2020**, 121-127		
7	Tracked Foley catheter for motion compensation during fusion image-guided prostate procedures: a phantom study. *European Radiology Experimental*, **2020**, 4, 24	4.5	
6	Molecular Imaging of Prostate Cancer **2020**, 171-190		

5   AI-Assisted CT as a Clinical and Research Tool for COVID-19. *Frontiers in Artificial Intelligence*, **2021**, 4, 590189   3

4   Apical periurethral transition zone lesions: MRI and histology findings. *Abdominal Radiology*, **2020**, 45, 3258-3264   3

3   The Role and Methodology of Multiparametric MRI and Fusion-guided Biopsy in the Management of Prostate Cancer Patients **2018**, 1495-1508

2   Principles of Prostate Magnetic Resonance Imaging **2018**, 1616-1626

1   Artificial Intelligence in Prostate Imaging. *Advances in Clinical Radiology*, **2021**, 3, 15-22   0.3