Pekka Taimen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Magnetic resonance imagingâ€guided transurethral ultrasound ablation for benign prostatic hyperplasia: 12â€month clinical outcomes of a phase I study. BJU International, 2022, 129, 208-216.	2.5	9
2	Detection of Prostate Cancer Using Biparametric Prostate <scp>MRI</scp> , Radiomics, and Kallikreins: A Retrospective Multicenter Study of Men With a Clinical Suspicion of Prostate Cancer. Journal of Magnetic Resonance Imaging, 2022, 55, 465-477.	3.4	9
3	Increased Expression and Altered Cellular Localization of Fibroblast Growth Factor Receptor-Like 1 (FGFRL1) Are Associated with Prostate Cancer Progression. Cancers, 2022, 14, 278.	3.7	2
4	The Movember Global Action Plan 1 (GAP1): Unique Prostate Cancer Tissue Microarray Resource. Cancer Epidemiology Biomarkers and Prevention, 2022, 31, 715-727.	2.5	0
5	Uptake of ¹⁸ F-rhPSMA-7.3 in Positron Emission Tomography Imaging of Prostate Cancer: A Phase 1 Proof-of-Concept Study. Cancer Biotherapy and Radiopharmaceuticals, 2022, 37, 205-213.	1.0	3
6	Individualised non-contrast MRI-based risk estimation and shared decision-making in men with a suspicion of prostate cancer: protocol for multicentre randomised controlled trial (multi-IMPROD) Tj ETQq0 0 0 r	gB II. 9Over	loak 10 Tf 50
7	The Mount Sinal Prebiopsy Risk Calculator for Predicting any Prostate Cancer and Clinically Significant Prostate Cancer: Development of a Risk Predictive Tool and Validation with Advanced Neural Networking, Prostate Magnetic Resonance Imaging Outcome Database, and European Randomized Study of Screening for Prostate Cancer Risk Calculator. European Urology Open Science,	0.4	4
8	Combined Use of Prostate-specific Antigen Density and Magnetic Resonance Imaging for Prostate Biopsy Decision Planning: A Retrospective Multi-institutional Study Using the Prostate Magnetic Resonance Imaging Outcome Database (PROMOD). European Urology Oncology, 2021, 4, 971-979.	5.4	56
9	A Prospective Comparison of 18F-prostate-specific Memorane Antigen-1007 Positron Emission Tomography Computed Tomography, Whole-body 1.5 T Magnetic Resonance Imaging with Diffusion-weighted Imaging, and Single-photon Emission Computed Tomography/Computed Tomography with Traditional Imaging in Primary Distant Metastasis Staging of Prostate Cancer (PROSTAGE).	5.4	58
10	Test-retest repeatability of a deep learning architecture in detecting and segmenting clinically significant prostate cancer on apparent diffusion coefficient (ADC) maps. European Radiology, 2021, 31, 379-391.	4.5	15
11	Prospective comparison of 18F-PSMA-1007 PET/CT, whole-body MRI and CT in primary nodal staging of unfavourable intermediate- and high-risk prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2951-2959.	6.4	26
12	Intravenous Interferon-β1a for the Treatment of Ischemia-Reperfusion Injury in Acute Myocardial Infarct in Pigs. Heart Surgery Forum, 2021, 24, E409-E413.	0.5	0
13	Negative Predictive Value of Biparametric Prostate Magnetic Resonance Imaging in Excluding Significant Prostate Cancer: A Pooled Data Analysis Based on Clinical Data from Four Prospective, Registered Studies. European Urology Focus, 2021, 7, 522-531.	3.1	10
14	Computer extracted gland features from H&E predicts prostate cancer recurrence comparably to a genomic companion diagnostic test: a large multi-site study. Npj Precision Oncology, 2021, 5, 35.	5.4	13
15	Response to the Letter to the Editor: Prospective comparison of 18F-PSMA-1007 PET/CT, whole-body MRI and CT in primary nodal staging of unfavourable intermediate- and high-risk prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2672-2673.	6.4	2
16	Prognostic and predictive value of ALDH1, SOX2 and SSEA-4 in bladder cancer. Scientific Reports, 2021, 11, 13684.	3.3	3
17	Visual MRI T-category versus VI-RADS evaluation from multiparametric MRI in the detection of muscle-invasion in patients with suspected bladder cancer: single centre registered clinical trial (MIB-trial). Scandinavian Journal of Urology, 2021, 55, 354-360.	1.0	5
18	How to read biparametric MRI in men with a clinical suspicious of prostate cancer: Pictorial review for beginners with public access to imaging, clinical and histopathological database. Acta Radiologica Open, 2021, 10, 205846012110607.	0.6	1

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19	Repeatability of radiomics and machine learning for DWI: Shortâ€ŧerm repeatability study of 112 patients with prostate cancer. Magnetic Resonance in Medicine, 2020, 83, 2293-2309.	3.0	23
20	Reply to Xuefeng Liu's Letter to the Editor, re: Kimmo Kettunen, Peter J. Boström, Tarja Lamminen, et al. Personalized Drug Sensitivity Screening for Bladder Cancer Using Conditionally Reprogrammed Patient-derived Cells. Eur Urol 2019;76:430–4: Can Patient-derived Cancer Models Change the Costliest Cancer Type?. European Urology, 2020, 77, e23.	1.9	2
21	Prostate Cancer Risk Stratification in Men With a Clinical Suspicion of Prostate Cancer Using a Unique Biparametric MRI and Expression of 11 Genes in Apparently Benign Tissue: Evaluation Using Machineâ€Learning Techniques. Journal of Magnetic Resonance Imaging, 2020, 51, 1540-1553.	3.4	3
22	Prebiopsy IMPROD Biparametric Magnetic Resonance Imaging Combined with Prostate-Specific Antigen Density in the Diagnosis of Prostate Cancer: An External Validation Study. European Urology Oncology, 2020, 3, 648-656.	5.4	18
23	Impact of biparametric prebiopsy prostate magnetic resonance imaging on the diagnostics of clinically significant prostate cancer in biopsy naÃ ⁻ ve men. Scandinavian Journal of Urology, 2020, 54, 7-13.	1.0	ο
24	Qualitative and Quantitative Reporting of a Unique Biparametric MRI: Towards Biparametric MRIâ€Based Nomograms for Prediction of Prostate Biopsy Outcome in Men With a Clinical Suspicion of Prostate Cancer (IMPROD and MULTIâ€IMPROD Trials). Journal of Magnetic Resonance Imaging, 2020, 51, 1556-1567.	3.4	22
25	Critical evaluation of the subcutaneous engraftments of hormone naÃ⁻ve primary prostate cancer. Translational Andrology and Urology, 2020, 9, 1120-1134.	1.4	3
26	Prediction of prostate cancer aggressiveness using 18F-Fluciclovine (FACBC) PET and multisequence multiparametric MRI. Scientific Reports, 2020, 10, 9407.	3.3	3
27	Acute and subacute prostate MRI findings after MRI-guided transurethral ultrasound ablation of prostate cancer. Acta Radiologica, 2020, 62, 028418512097693.	1.1	6
28	Palliative MRI-guided transurethral ultrasound ablation for symptomatic locally advanced prostate cancer. Scandinavian Journal of Urology, 2020, 54, 481-486.	1.0	7
29	Added value of systematic biopsy in men with a clinical suspicion of prostate cancer undergoing biparametric MRI-targeted biopsy: multi-institutional external validation study. World Journal of Urology, 2020, 39, 1879-1887.	2.2	15
30	Salvage Magnetic Resonance Imaging–guided Transurethral Ultrasound Ablation for Localized Radiorecurrent Prostate Cancer: 12-Month Functional and Oncological Results. European Urology Open Science, 2020, 22, 79-87.	0.4	16
31	Prognostic Role of Survivin and Macrophage Infiltration Quantified on Protein and mRNA Level in Molecular Subtypes Determined by RT-qPCR of KRT5, KRT20, and ERBB2 in Muscle-Invasive Bladder Cancer Treated by Adjuvant Chemotherapy. International Journal of Molecular Sciences, 2020, 21, 7420.	4.1	2
32	Interaction between prostate cancer cells and prostate fibroblasts promotes accumulation and proteolytic processing of basement membrane proteins. Prostate, 2020, 80, 715-726.	2.3	13
33	High tumor mutation burden predicts favorable outcome among patients with aggressive histological subtypes of lung adenocarcinoma: A population-based single-institution study. Neoplasia, 2020, 22, 333-342.	5.3	12
34	Prostate cancer risk SNP rs10993994 is a trans-eQTL for SNHG11 mediated through MSMB. Human Molecular Genetics, 2020, 29, 1581-1591.	2.9	8
35	Folate Receptor β–Targeted PET Imaging of Macrophages in Autoimmune Myocarditis. Journal of Nuclear Medicine, 2020, 61, 1643-1649	5.0	31
36	Urine cytology is a feasible tool for assessing erythematous bladder lesions after bacille Calmetteâ€Guérin (BCC) treatment. BJU International, 2019, 123, 246-251.	2.5	4

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37	Radiomics and machine learning of multisequence multiparametric prostate MRI: Towards improved non-invasive prostate cancer characterization. PLoS ONE, 2019, 14, e0217702.	2.5	76
38	Personalized Drug Sensitivity Screening for Bladder Cancer Using Conditionally Reprogrammed Patient-derived Cells. European Urology, 2019, 76, 430-434.	1.9	31
39	Reply to Mengxin Lu, Yi Zhang, Yu Xiao's Letter to the Editor, re: Kimmo Kettunen, Peter J. Boström, Tarja Lamminen, et al. Personalized Drug Sensitivity Screening for Bladder Cancer Using Conditionally Reprogrammed Patient-derived Cells. Eur Urol 2019;76:430–4. European Urology, 2019, 76, e137-e138.	1.9	1
40	<i>ANO7</i> rs77559646 Is Associated With First-line Docetaxel Treatment Response in Metastatic Castration-resistant Prostate Cancer. Anticancer Research, 2019, 39, 5353-5359.	1.1	7
41	Correlation between 18F-1-amino-3-fluorocyclobutane-1-carboxylic acid (18F-fluciclovine) uptake and expression of alanine-serine-cysteine-transporter 2 (ASCT2) and L-type amino acid transporter 1 (LAT1) in primary prostate cancer. EJNMMI Research, 2019, 9, 50.	2.5	14
42	Feasibility of MRI-guided transurethral ultrasound for lesion-targeted ablation of prostate cancer. Scandinavian Journal of Urology, 2019, 53, 295-302.	1.0	23
43	Clinical Utility of Mutant Antibody-Based Assays for Determination of Internally Cleaved and Intact Forms of Free Prostate-Specific Antigen. journal of applied laboratory medicine, The, 2019, 3, 1014-1021.	1.3	0
44	Modeling of LMNA-Related Dilated Cardiomyopathy Using Human Induced Pluripotent Stem Cells. Cells, 2019, 8, 594.	4.1	42
45	Validation of IMPROD biparametric MRI in men with clinically suspected prostate cancer: A prospective multi-institutional trial. PLoS Medicine, 2019, 16, e1002813.	8.4	43
46	SORLA regulates endosomal trafficking and oncogenic fitness of HER2. Nature Communications, 2019, 10, 2340.	12.8	49
47	Quantitative Analysis of Nuclear Lamins Imaged by Super-Resolution Light Microscopy. Cells, 2019, 8, 361.	4.1	12
48	IMPROD biparametric MRI in men with a clinical suspicion of prostate cancer (IMPROD Trial): Sensitivity for prostate cancer detection in correlation with wholeâ€mount prostatectomy sections and implications for focal therapy. Journal of Magnetic Resonance Imaging, 2019, 50, 1641-1650.	3.4	16
49	The composition of prostate core matrisome in vivo and in vitro unveiled by mass spectrometric analysis. Prostate, 2018, 78, 583-594.	2.3	11
50	New prostate cancer grade grouping system predicts survival after radical prostatectomy. Human Pathology, 2018, 75, 159-166.	2.0	17
51	Pegylated and liposomal doxorubicin is associated with high mortality and causes limited cardiotoxicity in mice. BMC Research Notes, 2018, 11, 148.	1.4	9
52	Prospective evaluation of 18F-FACBC PET/CT and PET/MRI versus multiparametric MRI in intermediate- to high-risk prostate cancer patients (FLUCIPRO trial). European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 355-364.	6.4	66
53	Radiomic features from pretreatment biparametric MRI predict prostate cancer biochemical recurrence: Preliminary findings. Journal of Magnetic Resonance Imaging, 2018, 48, spcone-spcone.	3.4	5
54	ANO7 is associated with aggressive prostate cancer. International Journal of Cancer, 2018, 143, 2479-2487.	5.1	31

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55	Intratumoral androgen levels are linked to TMPRSS2-ERG fusion in prostate cancer. Endocrine-Related Cancer, 2018, 25, 807-819.	3.1	16
56	11C-acetate PET/MRI in bladder cancer staging and treatment response evaluation to neoadjuvant chemotherapy: a prospective multicenter study (ACEBIB trial). Cancer Imaging, 2018, 18, 25.	2.8	22
57	Radiomic features from pretreatment biparametric MRI predict prostate cancer biochemical recurrence: Preliminary findings. Journal of Magnetic Resonance Imaging, 2018, 48, 1626-1636.	3.4	107
58	Fitting methods for intravoxel incoherent motion imaging of prostate cancer on region of interest level: Repeatability and gleason score prediction. Magnetic Resonance in Medicine, 2017, 77, 1249-1264.	3.0	48
59	Novel biparametric MRI and targeted biopsy improves risk stratification in men with a clinical suspicion of prostate cancer (IMPROD Trial). Journal of Magnetic Resonance Imaging, 2017, 46, 1089-1095.	3.4	75
60	Radiomic features for prostate cancer detection on MRI differ between the transition and peripheral zones: Preliminary findings from a multiâ€institutional study. Journal of Magnetic Resonance Imaging, 2017, 46, 184-193.	3.4	114
61	Immunological tumor status may predict response to neoadjuvant chemotherapy and outcome after radical cystectomy in bladder cancer. Scientific Reports, 2017, 7, 12682.	3.3	16
62	Nestin contributes to skeletal muscle homeostasis and regeneration. Journal of Cell Science, 2017, 130, 2833-2842.	2.0	20
63	Internal epithelia in <i>Drosophila</i> display rudimentary competence to form cytoplasmic networks of transgenic human vimentin. FASEB Journal, 2017, 31, 5332-5341.	0.5	2
64	Systemic Dosing of Thymosin Beta 4 before and after Ischemia Does Not Attenuate Global Myocardial Ischemia-Reperfusion Injury in Pigs. Frontiers in Pharmacology, 2016, 7, 115.	3.5	8
65	Patient-specific pharmacokinetic parameter estimation on dynamic contrast-enhanced MRI of prostate: Preliminary evaluation of a novel AIF-free estimation method. Journal of Magnetic Resonance Imaging, 2016, 44, 1405-1414.	3.4	3
66	Relaxation along fictitious field, diffusion-weighted imaging, and T ₂ mapping of prostate cancer: Prediction of cancer aggressiveness. Magnetic Resonance in Medicine, 2016, 75, 2130-2140.	3.0	15
67	Increased expression of fibroblast growth factor 13 in prostate cancer is associated with shortened time to biochemical recurrence after radical prostatectomy. International Journal of Cancer, 2016, 139, 140-152.	5.1	23
68	Diffusion weighted imaging of prostate cancer: Prediction of cancer using texture features from parametric maps of the monoexponential and kurtosis functions. , 2016, , .		6
69	Keratin 8-deletion induced colitis predisposes to murine colorectal cancer enforced by the inflammasome and IL-22 pathway. Carcinogenesis, 2016, 37, 777-786.	2.8	32
70	Deleterious assembly of mutant p.S143P lamin A/C causes ER stress in familial dilated cardiomyopathy. Journal of Cell Science, 2016, 129, 2732-43.	2.0	25
71	Loss of PTEN expression in ERG-negative prostate cancer predicts secondary therapies and leads to shorter disease-specific survival time after radical prostatectomy. Modern Pathology, 2016, 29, 1565-1574.	5.5	43
72	Stratification of aggressive prostate cancer from indolent disease—Prospective controlled trial utilizing expression of 11 genes in apparently benign tissue. Urologic Oncology: Seminars and Original Investigations, 2016, 34, 255.e15-255.e22.	1.6	8

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73	Global expression of AMACR transcripts predicts risk for prostate cancer – a systematic comparison of AMACR protein and mRNA expression in cancerous and noncancerous prostate. BMC Urology, 2016, 16, 10.	1.4	19
74	Rotating frame relaxation imaging of prostate cancer: Repeatability, cancer detection, and Gleason score prediction. Magnetic Resonance in Medicine, 2016, 75, 337-344.	3.0	16
75	Validation of Novel Biomarkers for Prostate Cancer Progression by the Combination of Bioinformatics, Clinical and Functional Studies. PLoS ONE, 2016, 11, e0155901.	2.5	43
76	Mathematical models for diffusionâ€weighted imaging of prostate cancer using b values up to 2000 s/mm ² : Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine, 2015, 74, 1116-1124.	3.0	53
77	Evaluation of different mathematical models for diffusion-weighted imaging of normal prostate and prostate cancer using high b-values: A repeatability study. Magnetic Resonance in Medicine, 2015, 73, 1988-1998.	3.0	72
78	Tumor-Associated Macrophages Provide Significant Prognostic Information in Urothelial Bladder Cancer. PLoS ONE, 2015, 10, e0133552.	2.5	55
79	Role of ultrasensitive prostate-specific antigen in the follow-up of prostate cancer after radical prostatectomy. Urologic Oncology: Seminars and Original Investigations, 2015, 33, 16.e1-16.e7.	1.6	5
80	Suppression of endothelial CD39/ENTPD1 is associated with pulmonary vascular remodeling in pulmonary arterial hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L1046-L1057.	2.9	43
81	Prebiopsy multiparametric 3T prostate MRI in patients with elevated PSA, normal digital rectal examination, and no previous biopsy. Journal of Magnetic Resonance Imaging, 2015, 41, 1394-1404.	3.4	47
82	<i>LMNA</i> Mutation c.917T>G (p.L306R) Leads to Deleterious Hyper-Assembly of Lamin A/C and Associates with Severe Right Ventricular Cardiomyopathy and Premature Aging. Human Mutation, 2015, 36, 694-703.	2.5	14
83	Gene-rich chromosomal regions are preferentially localized in the lamin B deficient nuclear blebs of atypical progeria cells. Nucleus, 2015, 6, 66-76.	2.2	33
84	Altered PCA3 and TMPRSS2-ERG expression in histologically benign regions of cancerous prostates: a systematic, quantitative mRNA analysis in five prostates. BMC Urology, 2015, 15, 88.	1.4	6
85	Diffusion-weighted imaging of prostate cancer: effect of b-value distribution on repeatability and cancer characterization. Magnetic Resonance Imaging, 2015, 33, 1212-1218.	1.8	23
86	Differential Predictive Roles of A- and B-Type Nuclear Lamins in Prostate Cancer Progression. PLoS ONE, 2015, 10, e0140671.	2.5	39
87	Bulbourethral gland adenocarcinoma in a 25-year-old man without comorbidities: Radical resection of proximal urethrae with Mitrofanoff-type appendicovesicostomy . Scandinavian Journal of Urology, 2014, 48, 405-409.	1.0	3
88	Loss of Bone Morphogenetic Protein Receptor 2 Is Associated with Abnormal DNA Repair in Pulmonary Arterial Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 1118-1128.	2.9	70
89	Lanthanide chelate complementation and hydrolysis enhanced luminescent chelate in real-time reverse transcription polymerase chain reaction assays for KLK3 transcripts. Analytical Biochemistry, 2014, 444, 1-7.	2.4	2
90	Mutant p53–associated myosin-X upregulation promotes breast cancer invasion and metastasis. Journal of Clinical Investigation, 2014, 124, 1069-1082.	8.2	133

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91	Therapeutic potential of thymosin \hat{l}^24 in myocardial infarct and heart failure. Annals of the New York Academy of Sciences, 2012, 1269, 117-124.	3.8	5
92	Chromosomal regions associated with prostate cancer risk localize to lamin Bâ€deficient microdomains and exhibit reduced gene transcription. Journal of Pathology, 2012, 226, 735-745.	4.5	39
93	Silencing of Nuclear Mitotic Apparatus protein (NuMA) accelerates the apoptotic disintegration of the nucleus. Apoptosis: an International Journal on Programmed Cell Death, 2010, 15, 936-945.	4.9	9
94	Nuclear Lamins. Cold Spring Harbor Perspectives in Biology, 2010, 2, a000547-a000547.	5.5	344
95	Protodynamic Intracellular Acidification by cis-Urocanic Acid Promotes Apoptosis of Melanoma Cells In Vitro and In Vivo. Journal of Investigative Dermatology, 2010, 130, 2431-2439.	0.7	33
96	A progeria mutation reveals functions for lamin A in nuclear assembly, architecture, and chromosome organization. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20788-20793.	7.1	185
97	Cardiac Tamponade in a Patient with Predominantly Cutaneous Manifestations of Primary Antiphospholipid Syndrome. Acta Dermato-Venereologica, 2008, 88, 162-162.	1.3	0
98	Caspase-3 is required in the apoptotic disintegration of the nuclear matrix. Experimental Cell Research, 2005, 311, 62-73.	2.6	57
99	NuMA and nuclear lamins are cleaved during viral infection—inhibition of caspase activity prevents cleavage and rescues HeLa cells from measles virus-induced but not from rhinovirus 1B-induced cell death. Virology, 2004, 320, 85-98.	2.4	16
100	NuMA in rat testis—Evidence for roles in proliferative activity and meiotic cell division. Experimental Cell Research, 2004, 298, 512-520.	2.6	10
101	NuMA and nuclear lamins behave differently in Fas-mediated apoptosis. Journal of Cell Science, 2003, 116, 571-583.	2.0	33
102	Preferential Expression of NuMA in the Nuclei of Proliferating Cells. Experimental Cell Research, 2000, 256, 140-149.	2.6	38