Pekka Taimen

List of Publications by Year
in descending order

102	2,894	172457	197818
papers	citations	29 h-index	49 g-index

108	108	108	4994
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nuclear Lamins. Cold Spring Harbor Perspectives in Biology, 2010, 2, a000547-a000547.	5.5	344
2	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
3	Mutant p53â€“associated myosin-X upregulation promotes breast cancer invasion and metastasis. Journal of Clinical Investigation, 2014, 124, 1069-1082.	8.2	133
4	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
5	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
6	Radiomics and machine learning of multisequence multiparametric prostate MRI: Towards improved non-invasive prostate cancer characterization. PLoS ONE, 2019, 14, e0217702.	2.5	76
7	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
8	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
9	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
10	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
11	A Prospective Comparison of 18F-prostate-specific Membrane 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). European Urology Oncology, 2021, 4, 635-644.	5.4	58
12	Caspase-3 is required in the apoptotic disintegration of the nuclear matrix. Experimental Cell Research, 2005, 311, 62-73.	2.6	57
13	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
14	Tumor-Associated Macrophages Provide Significant Prognostic Information in Urothelial Bladder Cancer. PLoS ONE, 2015, 10, e0133552.	2.5	55
15	Mathematical models for diffusionâ€weighted imaging of prostate cancer using b values up to 2000 s/mm²: Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine, 2015, 74, 1116-1124.	3.0	53
16	SORLA regulates endosomal trafficking and oncogenic fitness of HER2. Nature Communications, 2019, 10, 2340.	12.8	49
17	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
18	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

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19	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
20	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
21	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
22	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
23	Modeling of LMNA-Related Dilated Cardiomyopathy Using Human Induced Pluripotent Stem Cells. Cells, 2019, 8, 594.	4.1	42
24	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
25	Differential Predictive Roles of A- and B-Type Nuclear Lamins in Prostate Cancer Progression. PLoS ONE, 2015, 10, e0140671.	2.5	39
26	Preferential Expression of NuMA in the Nuclei of Proliferating Cells. Experimental Cell Research, 2000, 256, 140-149.	2.6	38
27	NuMA and nuclear lamins behave differently in Fas-mediated apoptosis. Journal of Cell Science, 2003, 116, 571-583.	2.0	33
28	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
29	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
30	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
31	ANO7 is associated with aggressive prostate cancer. International Journal of Cancer, 2018, 143, 2479-2487.	5.1	31
32	Personalized Drug Sensitivity Screening for Bladder Cancer Using Conditionally Reprogrammed Patient-derived Cells. European Urology, 2019, 76, 430-434.	1.9	31
33	Folate Receptor Î²â€“Targeted PET Imaging of Macrophages in Autoimmune Myocarditis. Journal of Nuclear Medicine, 2020, 61, 1643-1649.	5.0	31
34	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
35	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
36	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

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37	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
38	Feasibility of MRI-guided transurethral ultrasound for lesion-targeted ablation of prostate cancer. Scandinavian Journal of Urology, 2019, 53, 295-302.	1.0	23
39	Repeatability of radiomics and machine learning for DWI: Shortâ€term repeatability study of 112 patients with prostate cancer. Magnetic Resonance in Medicine, 2020, 83, 2293-2309.	3.0	23
40	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
41	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
42	Nestin contributes to skeletal muscle homeostasis and regeneration. Journal of Cell Science, 2017, 130, 2833-2842.	2.0	20
43	Global expression of AMACR transcripts predicts risk for prostate cancer â€“ a systematic comparison of AMACR protein and mRNA expression in cancerous and noncancerous prostate. BMC Urology, 2016, 16, 10.	1.4	19
44	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
45	New prostate cancer grade grouping system predicts survival after radical prostatectomy. Human Pathology, 2018, 75, 159-166.	2.0	17
46	NuMA and nuclear lamins are cleaved during viral infectionâ€”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
47	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
48	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
49	Intratumoral androgen levels are linked to TMPRSS2-ERG fusion in prostate cancer. Endocrine-Related Cancer, 2018, 25, 807-819.	3.1	16
50	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
51	Salvage Magnetic Resonance Imagingâ€“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
52	Relaxation along fictitious field, diffusion-weighted imaging, and T₂mapping of prostate cancer: Prediction of cancer aggressiveness. Magnetic Resonance in Medicine, 2016, 75, 2130-2140.	3.0	15
53	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
54	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

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55	LMNAMutation 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
56	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
57	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
58	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
59	Quantitative Analysis of Nuclear Lamins Imaged by Super-Resolution Light Microscopy. Cells, 2019, 8, 361.	4.1	12
60	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
61	The composition of prostate core matrisome in vivo and in vitro unveiled by mass spectrometric analysis. Prostate, 2018, 78, 583-594.	2.3	11
62	NuMA in rat testisâ€"Evidence for roles in proliferative activity and meiotic cell division. Experimental Cell Research, 2004, 298, 512-520.	2.6	10
63	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
64	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
65	Pegylated and liposomal doxorubicin is associated with high mortality and causes limited cardiotoxicity in mice. BMC Research Notes, 2018, 11, 148.	1.4	9
66	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
67	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
68	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
69	Stratification of aggressive prostate cancer from indolent diseaseâ€"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
70	Prostate cancer risk SNP rs10993994 is a trans-eQTL for SNHG11 mediated through MSMB. Human Molecular Genetics, 2020, 29, 1581-1591.	2.9	8
71	ANO7 rs77559646 Is Associated With First-line Docetaxel Treatment Response in Metastatic Castration-resistant Prostate Cancer. Anticancer Research, 2019, 39, 5353-5359.	1.1	7
72	Palliative MRI-guided transurethral ultrasound ablation for symptomatic locally advanced prostate cancer. Scandinavian Journal of Urology, 2020, 54, 481-486.	1.0	7

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73	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
74	Diffusion weighted imaging of prostate cancer: Prediction of cancer using texture features from parametric maps of the monoexponential and kurtosis functions. , 2016, , .		6
75	Acute and subacute prostate MRI findings after MRI-guided transurethral ultrasound ablation of prostate cancer. Acta Radiologica, 2020, 62, 028418512097693.	1.1	6
76	Therapeutic potential of thymosin Î²4 in myocardial infarct and heart failure. Annals of the New York Academy of Sciences, 2012, 1269, 117-124.	3.8	5
77	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
78	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
79	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
80	Urine cytology is a feasible tool for assessing erythematous bladder lesions after bacille Calmetteâ€ŒuÃ©rin (BCG) treatment. BJU International, 2019, 123, 246-251.	2.5	4
81	The Mount Sinai 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, 2022, 41, 45-54.	0.4	4
82	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
83	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
84	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
85	Critical evaluation of the subcutaneous engraftments of hormone naÃ¯ve primary prostate cancer. Translational Andrology and Urology, 2020, 9, 1120-1134.	1.4	3
86	Prediction of prostate cancer aggressiveness using 18F-Fluciclovine (FACBC) PET and multisequence multiparametric MRI. Scientific Reports, 2020, 10, 9407.	3.3	3
87	Prognostic and predictive value of ALDH1, SOX2 and SSEA-4 in bladder cancer. Scientific Reports, 2021, 11, 13684.	3.3	3
88	Uptake of ¹⁸F-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
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	Internal epithelia in Drosophila display rudimentary competence to form cytoplasmic networks of transgenic human vimentin. FASEB Journal, 2017, 31, 5332-5341.	0.5	2

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91	Reply to Xuefeng Liuâ€™s Letter to the Editor, re: Kimmo Kettunen, Peter J. BostrÃ¶m, Tarja Lamminen, et al. Personalized Drug Sensitivity Screening for Bladder Cancer Using Conditionally Reprogrammed Patient-derived Cells. Eur Urol 2019;76:430â€“4: Can Patient-derived Cancer Models Change the Costliest Cancer Type?. European Urology, 2020, 77, e23.	1.9	2
92	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
93	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
94	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
95	Reply to Mengxin Lu, Yi Zhang, Yu Xiaoâ€™s Letter to the Editor, re: Kimmo Kettunen, Peter J. BostrÃ¶m, Tarja Lamminen, et al. Personalized Drug Sensitivity Screening for Bladder Cancer Using Conditionally Reprogrammed Patient-derived Cells. Eur Urol 2019;76:430â€“4. European Urology, 2019, 76, e137-e138.	1.9	1
96	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
97	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 ETQq1 1 0.784314 rgBT1/Overloc	1.9	1
98	Cardiac Tamponade in a Patient with Predominantly Cutaneous Manifestations of Primary Antiphospholipid Syndrome. Acta Dermato-Venereologica, 2008, 88, 162-162.	1.3	0
99	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
100	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	0
101	Intravenous Interferon-Î²1a for the Treatment of Ischemia-Reperfusion Injury in Acute Myocardial Infarct in Pigs. Heart Surgery Forum, 2021, 24, E409-E413.	0.5	0
102	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