Harri Merisaari

List of Publications by Year
in descending order

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64	1,765	331538	302012
papers	citations	21 h-index	39 g-index

69	69	69	2767
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	1.9	9
2	Feasibility of FreeSurfer Processing for T1-Weighted Brain Images of 5-Year-Olds: Semiautomated Protocol of FinnBrain Neuroimaging Lab. Frontiers in Neuroscience, 2022, 16, 874062.	1.4	8
3	Association between Incidental Pelvic Inflammation and Aggressive Prostate Cancer. Cancers, 2022, 14, 2734.	1.7	5
4	Subcortical and hippocampal brain segmentation in 5â€yearâ€old children: Validation of FSLâ€FIRST and FreeSurfer against manual segmentation. European Journal of Neuroscience, 2022, 56, 4619-4641.	1.2	7
5	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.	2.3	15
6	The impact of edema and fiber crossing on diffusion MRI metrics assessed in an ex vivo nerve phantom: Multiâ€tensor model vs. diffusion orientation distribution function. NMR in Biomedicine, 2021, 34, e4414.	1.6	10
7	A variation in the infant oxytocin receptor gene modulates infant hippocampal volumes in association with sex and prenatal maternal anxiety. Psychiatry Research - Neuroimaging, 2021, 307, 111207.	0.9	6
8	Docetaxel chemotherapy response in PC3 prostate cancer mouse model detected by rotating frame relaxations and water diffusion. NMR in Biomedicine, 2021, 34, e4483.	1.6	1
9	Whole Brain Adiabatic T 1rho and Relaxation Along a Fictitious Field Imaging in Healthy Volunteers and Patients With Multiple Sclerosis: Initial Findings. Journal of Magnetic Resonance Imaging, 2021, 54, 866-879.	1.9	1
10	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.	1.6	10
11	Statistical Evaluation of Different Mathematical Models for Diffusion Weighted Imaging of Prostate Cancer Xenografts in Mice. Frontiers in Oncology, 2021, 11, 583921.	1.3	1
12	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.	2.3	13
13	Comparative analysis of 1152 African-American and European-American men with prostate cancer identifies distinct genomic and immunological differences. Communications Biology, 2021, 4, 670.	2.0	50
14	Infant and Child MRI: A Review of Scanning Procedures. Frontiers in Neuroscience, 2021, 15, 666020.	1.4	38
15	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.	0.6	5
16	Whole Brain Adiabatic T 1rho and Relaxation Along a Fictitious Field Imaging in Healthy Volunteers and Patients With Multiple Sclerosis: Initial Findings. Journal of Magnetic Resonance Imaging, 2021, 54, spcone.	1.9	0
17	Signal to noise and b-value analysis for optimal intra-voxel incoherent motion imaging in the brain. PLoS ONE, 2021, 16, e0257545.	1.1	3
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.	0.3	1

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19	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.	1.9	23
20	Prediction of biochemical recurrence in prostate cancer patients who underwent prostatectomy using routine clinical prostate multiparametric MRI and decipher genomic score. Journal of Magnetic Resonance Imaging, 2020, 51, 1075-1085.	1.9	24
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.	1.9	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.	2.6	18
23	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.	1.9	22
24	Sexâ€specific association between infant caudate volumes and a polygenic risk score for major depressive disorder. Journal of Neuroscience Research, 2020, 98, 2529-2540.	1.3	10
25	Partial Support for an Interaction Between a Polygenic Risk Score for Major Depressive Disorder and Prenatal Maternal Depressive Symptoms on Infant Right Amygdalar Volumes. Cerebral Cortex, 2020, 30, 6121-6134.	1.6	21
26	Prediction of prostate cancer aggressiveness using 18F-Fluciclovine (FACBC) PET and multisequence multiparametric MRI. Scientific Reports, 2020, 10, 9407.	1.6	3
27	Newborn amygdalar volumes are associated with maternal prenatal psychological distress in a sex-dependent way. NeuroImage: Clinical, 2020, 28, 102380.	1.4	25
28	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.	1.2	15
29	Newborn white matter microstructure moderates the association between maternal postpartum depressive symptoms and infant negative reactivity. Social Cognitive and Affective Neuroscience, 2020, 15, 649-660.	1.5	15
30	Restingâ€state networks of the neonate brain identified using independent component analysis. Developmental Neurobiology, 2020, 80, 111-125.	1.5	15
31	Association of Cumulative Paternal Early Life Stress With White Matter Maturation in Newborns. JAMA Network Open, 2020, 3, e2024832.	2.8	14
32	MP81-15â€ƒTWO-MINUTE PROSTATE MAGNETIC RESONANCE IMAGING PREDICTS GLEASON SCORE: AN ADVANCED MACHINE LEANING OF RAPID T2-WEIGHTED IMAGING. Journal of Urology, 2020, 203, .	0.2	0
33	PD57-05â€ƒA DEEP LEARNING NETWORK ALONG WITH PIRADS CAN DISTINGUISH CLINICALLY SIGNIFICANT AND INSIGNIFICANT PROSTATE CANCER ON BI-PARAMETRIC MRI. Journal of Urology, 2020, 203, e1195.	0.2	0
34	Radiomics and machine learning of multisequence multiparametric prostate MRI: Towards improved non-invasive prostate cancer characterization. PLoS ONE, 2019, 14, e0217702.	1.1	76
35	A Novel Approach for Manual Segmentation of the Amygdala and Hippocampus in Neonate MRI. Frontiers in Neuroscience, 2019, 13, 1025.	1.4	25
36	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.	1.1	14

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37	T58. Larger Newborn Left Amygdala Volume Predicts Poorer Working Memory in Toddlerhood. Biological Psychiatry, 2019, 85, S151.	0.7	0
38	Validation of IMPROD biparametric MRI in men with clinically suspected prostate cancer: A prospective multi-institutional trial. PLoS Medicine, 2019, 16, e1002813.	3.9	43
39	Test-retest reliability of Diffusion Tensor Imaging metrics in neonates. NeuroImage, 2019, 197, 598-607.	2.1	31
40	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.	1.9	16
41	Prenatal exposures and infant brain: Review of magnetic resonance imaging studies and a population description analysis. Human Brain Mapping, 2019, 40, 1987-2000.	1.9	42
42	Associations of age and sex with brain volumes and asymmetry in 2â€“5-week-old infants. Brain Structure and Function, 2019, 224, 501-513.	1.2	44
43	Sex difference in brain CB1 receptor availability in man. NeuroImage, 2019, 184, 834-842.	2.1	65
44	Neural correlates of gentle skin stroking in early infancy. Developmental Cognitive Neuroscience, 2019, 35, 36-41.	1.9	102
45	Prevalence and Risk Factors of Incidental Findings in Brain MRIs of Healthy Neonatesâ€”The FinnBrain Birth Cohort Study. Frontiers in Neurology, 2019, 10, 1347.	1.1	30
46	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.	3.3	66
47	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.	1.2	22
48	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.	1.9	48
49	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.	1.9	75
50	Identification of NCAN as a candidate gene for developmental dyslexia. Scientific Reports, 2017, 7, 9294.	1.6	15
51	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.	1.9	3
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.	1.9	15
53	Diffusion weighted imaging of prostate cancer: Prediction of cancer using texture features from parametric maps of the monoexponential and kurtosis functions. , 2016, , .		6
54	Rotating frame relaxation imaging of prostate cancer: Repeatability, cancer detection, and Gleason score prediction. Magnetic Resonance in Medicine, 2016, 75, 337-344.	1.9	16

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55	Prospective evaluation of planar bone scintigraphy, SPECT, SPECT/CT, ¹⁸F-NaF PET/CT and whole body 1.5T MRI, including DWI, for the detection of bone metastases in high risk breast and prostate cancer patients: SKELETA clinical trial. Acta OncolÃ³gica, 2016, 55, 59-67.	0.8	166
56	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.	1.9	53
57	Optimization ofb-value distribution for four mathematical models of prostate cancer diffusion-weighted imaging usingbvalues up to 2000 s/mm²: Simulation and repeatability study. Magnetic Resonance in Medicine, 2015, 73, 1954-1969.	1.9	52
58	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.	1.9	72
59	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.	1.9	47
60	Diffusion-weighted imaging of prostate cancer: effect of b-value distribution on repeatability and cancer characterization. Magnetic Resonance Imaging, 2015, 33, 1212-1218.	1.0	23
61	Optimization of b-value distribution for biexponential diffusion-weighted MR imaging of normal prostate. Journal of Magnetic Resonance Imaging, 2014, 39, 1213-1222.	1.9	37
62	Gaussian mixture model-based segmentation of MR images taken from premature infant brains. Journal of Neuroscience Methods, 2009, 182, 110-122.	1.3	20
63	Effects of intravenous glucose on dopaminergic function in the human brain in vivo. Synapse, 2007, 61, 748-756.	0.6	122
64	Evaluation of partial volume effect correction methods for brain positron emission tomography: Quantification and reproducibility. Journal of Medical Physics, 2007, 32, 108.	0.1	21