

Harri Merisaari

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

1,765
citations

331538

21
h-index

302012

39
g-index

69
all docs

69
docs citations

69
times ranked

2767
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospective evaluation of planar bone scintigraphy, SPECT, SPECT/CT, ¹⁸ F-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. <i>Acta Oncologica</i> , 2016, 55, 59-67.	0.8	166
2	Effects of intravenous glucose on dopaminergic function in the human brain in vivo. <i>Synapse</i> , 2007, 61, 748-756.	0.6	122
3	Neural correlates of gentle skin stroking in early infancy. <i>Developmental Cognitive Neuroscience</i> , 2019, 35, 36-41.	1.9	102
4	Radiomics and machine learning of multisequence multiparametric prostate MRI: Towards improved non-invasive prostate cancer characterization. <i>PLoS ONE</i> , 2019, 14, e0217702.	1.1	76
5	Novel biparametric MRI and targeted biopsy improves risk stratification in men with a clinical suspicion of prostate cancer (IMPROD Trial). <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1089-1095.	1.9	75
6	Evaluation of different mathematical models for diffusion-weighted imaging of normal prostate and prostate cancer using high b-values: A repeatability study. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1988-1998.	1.9	72
7	Prospective evaluation of ¹⁸ F-FACBC PET/CT and PET/MRI versus multiparametric MRI in intermediate- to high-risk prostate cancer patients (FLUCIPRO trial). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 355-364.	3.3	66
8	Sex difference in brain CB1 receptor availability in man. <i>NeuroImage</i> , 2019, 184, 834-842.	2.1	65
9	Mathematical models for diffusion-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. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1116-1124.	1.9	53
10	Optimization of b-value distribution for four mathematical models of prostate cancer diffusion-weighted imaging using b values up to 2000 s/mm ² : Simulation and repeatability study. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1954-1969.	1.9	52
11	Comparative analysis of 1152 African-American and European-American men with prostate cancer identifies distinct genomic and immunological differences. <i>Communications Biology</i> , 2021, 4, 670.	2.0	50
12	Fitting methods for intravoxel incoherent motion imaging of prostate cancer on region of interest level: Repeatability and gleason score prediction. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1249-1264.	1.9	48
13	Prebiopsy multiparametric 3T prostate MRI in patients with elevated PSA, normal digital rectal examination, and no previous biopsy. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1394-1404.	1.9	47
14	Associations of age and sex with brain volumes and asymmetry in 5-week-old infants. <i>Brain Structure and Function</i> , 2019, 224, 501-513.	1.2	44
15	Validation of IMPROD biparametric MRI in men with clinically suspected prostate cancer: A prospective multi-institutional trial. <i>PLoS Medicine</i> , 2019, 16, e1002813.	3.9	43
16	Prenatal exposures and infant brain: Review of magnetic resonance imaging studies and a population description analysis. <i>Human Brain Mapping</i> , 2019, 40, 1987-2000.	1.9	42
17	Infant and Child MRI: A Review of Scanning Procedures. <i>Frontiers in Neuroscience</i> , 2021, 15, 666020.	1.4	38
18	Optimization of b-value distribution for biexponential diffusion-weighted MR imaging of normal prostate. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 1213-1222.	1.9	37

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19	Test-retest reliability of Diffusion Tensor Imaging metrics in neonates. <i>NeuroImage</i> , 2019, 197, 598-607.	2.1	31
20	Prevalence and Risk Factors of Incidental Findings in Brain MRIs of Healthy Neonates—The FinnBrain Birth Cohort Study. <i>Frontiers in Neurology</i> , 2019, 10, 1347.	1.1	30
21	A Novel Approach for Manual Segmentation of the Amygdala and Hippocampus in Neonate MRI. <i>Frontiers in Neuroscience</i> , 2019, 13, 1025.	1.4	25
22	Newborn amygdalar volumes are associated with maternal prenatal psychological distress in a sex-dependent way. <i>NeuroImage: Clinical</i> , 2020, 28, 102380.	1.4	25
23	Prediction of biochemical recurrence in prostate cancer patients who underwent prostatectomy using routine clinical prostate multiparametric MRI and decipher genomic score. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1075-1085.	1.9	24
24	Diffusion-weighted imaging of prostate cancer: effect of b-value distribution on repeatability and cancer characterization. <i>Magnetic Resonance Imaging</i> , 2015, 33, 1212-1218.	1.0	23
25	Repeatability of radiomics and machine learning for DWI: Short-term repeatability study of 112 patients with prostate cancer. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 2293-2309.	1.9	23
26	¹¹ C-acetate PET/MRI in bladder cancer staging and treatment response evaluation to neoadjuvant chemotherapy: a prospective multicenter study (ACEBIB trial). <i>Cancer Imaging</i> , 2018, 18, 25.	1.2	22
27	Qualitative and Quantitative Reporting of a Unique Biparametric MRI: Towards Biparametric MRI-Based Nomograms for Prediction of Prostate Biopsy Outcome in Men With a Clinical Suspicion of Prostate Cancer (IMPROD and MULTI-IMPROD Trials). <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1556-1567.	1.9	22
28	Partial Support for an Interaction Between a Polygenic Risk Score for Major Depressive Disorder and Prenatal Maternal Depressive Symptoms on Infant Right Amygdalar Volumes. <i>Cerebral Cortex</i> , 2020, 30, 6121-6134.	1.6	21
29	Evaluation of partial volume effect correction methods for brain positron emission tomography: Quantification and reproducibility. <i>Journal of Medical Physics</i> , 2007, 32, 108.	0.1	21
30	Gaussian mixture model-based segmentation of MR images taken from premature infant brains. <i>Journal of Neuroscience Methods</i> , 2009, 182, 110-122.	1.3	20
31	Prebiopsy IMPROD Biparametric Magnetic Resonance Imaging Combined with Prostate-Specific Antigen Density in the Diagnosis of Prostate Cancer: An External Validation Study. <i>European Urology Oncology</i> , 2020, 3, 648-656.	2.6	18
32	Rotating frame relaxation imaging of prostate cancer: Repeatability, cancer detection, and Gleason score prediction. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 337-344.	1.9	16
33	IMPROD biparametric MRI in men with a clinical suspicion of prostate cancer (IMPROD Trial): Sensitivity for prostate cancer detection in correlation with whole-mount prostatectomy sections and implications for focal therapy. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 1641-1650.	1.9	16
34	Relaxation along fictitious field, diffusion-weighted imaging, and T ₂ mapping of prostate cancer: Prediction of cancer aggressiveness. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2130-2140.	1.9	15
35	Identification of NCAN as a candidate gene for developmental dyslexia. <i>Scientific Reports</i> , 2017, 7, 9294.	1.6	15
36	Added value of systematic biopsy in men with a clinical suspicion of prostate cancer undergoing biparametric MRI-targeted biopsy: multi-institutional external validation study. <i>World Journal of Urology</i> , 2020, 39, 1879-1887.	1.2	15

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37	Newborn white matter microstructure moderates the association between maternal postpartum depressive symptoms and infant negative reactivity. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 649-660.	1.5	15
38	Resting-state networks of the neonate brain identified using independent component analysis. <i>Developmental Neurobiology</i> , 2020, 80, 111-125.	1.5	15
39	Test-retest repeatability of a deep learning architecture in detecting and segmenting clinically significant prostate cancer on apparent diffusion coefficient (ADC) maps. <i>European Radiology</i> , 2021, 31, 379-391.	2.3	15
40	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. <i>EJNMMI Research</i> , 2019, 9, 50.	1.1	14
41	Association of Cumulative Paternal Early Life Stress With White Matter Maturation in Newborns. <i>JAMA Network Open</i> , 2020, 3, e2024832.	2.8	14
42	Computer extracted gland features from H&E predicts prostate cancer recurrence comparably to a genomic companion diagnostic test: a large multi-site study. <i>Npj Precision Oncology</i> , 2021, 5, 35.	2.3	13
43	Sex-specific association between infant caudate volumes and a polygenic risk score for major depressive disorder. <i>Journal of Neuroscience Research</i> , 2020, 98, 2529-2540.	1.3	10
44	The impact of edema and fiber crossing on diffusion MRI metrics assessed in an ex vivo nerve phantom: Multi-tensor model vs. diffusion orientation distribution function. <i>NMR in Biomedicine</i> , 2021, 34, e4414.	1.6	10
45	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. <i>European Urology Focus</i> , 2021, 7, 522-531.	1.6	10
46	Detection of Prostate Cancer Using Biparametric Prostate MRI, Radiomics, and Kallikreins: A Retrospective Multicenter Study of Men With a Clinical Suspicion of Prostate Cancer. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 465-477.	1.9	9
47	Feasibility of FreeSurfer Processing for T1-Weighted Brain Images of 5-Year-Olds: Semiautomated Protocol of FinnBrain Neuroimaging Lab. <i>Frontiers in Neuroscience</i> , 2022, 16, 874062.	1.4	8
48	Subcortical and hippocampal brain segmentation in 5-year-old children: Validation of FSL-FIRST and FreeSurfer against manual segmentation. <i>European Journal of Neuroscience</i> , 2022, 56, 4619-4641.	1.2	7
49	Diffusion weighted imaging of prostate cancer: Prediction of cancer using texture features from parametric maps of the monoexponential and kurtosis functions. , 2016, , .		6
50	A variation in the infant oxytocin receptor gene modulates infant hippocampal volumes in association with sex and prenatal maternal anxiety. <i>Psychiatry Research - Neuroimaging</i> , 2021, 307, 111207.	0.9	6
51	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). <i>Scandinavian Journal of Urology</i> , 2021, 55, 354-360.	0.6	5
52	Association between Incidental Pelvic Inflammation and Aggressive Prostate Cancer. <i>Cancers</i> , 2022, 14, 2734.	1.7	5
53	Patient-specific pharmacokinetic parameter estimation on dynamic contrast-enhanced MRI of prostate: Preliminary evaluation of a novel AIF-free estimation method. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 1405-1414.	1.9	3
54	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 Machine Learning Techniques. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1540-1553.	1.9	3

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55	Prediction of prostate cancer aggressiveness using 18F-Fluciclovine (FACBC) PET and multisequence multiparametric MRI. <i>Scientific Reports</i> , 2020, 10, 9407.	1.6	3
56	Signal to noise and b-value analysis for optimal intra-voxel incoherent motion imaging in the brain. <i>PLoS ONE</i> , 2021, 16, e0257545.	1.1	3
57	Docetaxel chemotherapy response in PC3 prostate cancer mouse model detected by rotating frame relaxations and water diffusion. <i>NMR in Biomedicine</i> , 2021, 34, e4483.	1.6	1
58	Whole Brain Adiabatic T 1rho and Relaxation Along a Fictitious Field Imaging in Healthy Volunteers and Patients With Multiple Sclerosis: Initial Findings. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 866-879.	1.9	1
59	Statistical Evaluation of Different Mathematical Models for Diffusion Weighted Imaging of Prostate Cancer Xenografts in Mice. <i>Frontiers in Oncology</i> , 2021, 11, 583921.	1.3	1
60	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. <i>Acta Radiologica Open</i> , 2021, 10, 205846012110607.	0.3	1
61	T58. Larger Newborn Left Amygdala Volume Predicts Poorer Working Memory in Toddlerhood. <i>Biological Psychiatry</i> , 2019, 85, S151.	0.7	0
62	Whole Brain Adiabatic T 1rho and Relaxation Along a Fictitious Field Imaging in Healthy Volunteers and Patients With Multiple Sclerosis: Initial Findings. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, spcone.	1.9	0
63	MP81-15â€¦TWO-MINUTE PROSTATE MAGNETIC RESONANCE IMAGING PREDICTS GLEASON SCORE: AN ADVANCED MACHINE LEARNING OF RAPID T2-WEIGHTED IMAGING. <i>Journal of Urology</i> , 2020, 203, .	0.2	0
64	PD57-05â€¦A DEEP LEARNING NETWORK ALONG WITH PIRADS CAN DISTINGUISH CLINICALLY SIGNIFICANT AND INSIGNIFICANT PROSTATE CANCER ON BI-PARAMETRIC MRI. <i>Journal of Urology</i> , 2020, 203, e1195.	0.2	0