

Adam Espe Hansen

List of Publications by Year in descending order

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71
papers

3,857
citations

147801

31
h-index

123424

61
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71
all docs

71
docs citations

71
times ranked

5202
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-parametric PET/MRI for enhanced tumor characterization of patients with cervical cancer. <i>European Journal of Hybrid Imaging</i> , 2022, 6, 7.	1.5	3
2	Can Shunt Response in Patients with Idiopathic Normal Pressure Hydrocephalus Be Predicted from Preoperative Brain Imaging? A Retrospective Study of the Diagnostic Use of the Normal Pressure Hydrocephalus Radscale in 119 Patients. <i>American Journal of Neuroradiology</i> , 2022, 43, 223-229.	2.4	9
3	Long-term Safety of Treatment with Autologous Mesenchymal Stem Cells in Patients with Radiation-Induced Xerostomia: Primary Results of the MESRIX Phase I/II Randomized Trial. <i>Clinical Cancer Research</i> , 2022, 28, 2890-2897.	7.0	9
4	Causes and Risk Factors of Pediatric Spontaneous Intracranial Hemorrhage—A Systematic Review. <i>Diagnostics</i> , 2022, 12, 1459.	2.6	8
5	Urokinase-Type Plasminogen Activator Receptor (uPAR) PET/MRI of Prostate Cancer for Noninvasive Evaluation of Aggressiveness: Comparison with Gleason Score in a Prospective Phase 2 Clinical Trial. <i>Journal of Nuclear Medicine</i> , 2021, 62, 354-359.	5.0	16
6	Visualizing Glioma Infiltration by the Combination of Multimodality Imaging and Artificial Intelligence, a Systematic Review of the Literature. <i>Diagnostics</i> , 2021, 11, 592.	2.6	11
7	Toward PET/MRI as one-stop shop for radiotherapy planning in cervical cancer patients. <i>Acta Oncologica</i> , 2021, 60, 1045-1053.	1.8	15
8	Surgically Induced Contrast Enhancements on Intraoperative and Early Postoperative MRI Following High-Grade Glioma Surgery: A Systematic Review. <i>Diagnostics</i> , 2021, 11, 1344.	2.6	9
9	Comparison of simultaneous arterial spin labeling MRI and ^{15}O -H $_2\text{O}$ PET measurements of regional cerebral blood flow in rest and altered perfusion states. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1621-1633.	4.3	42
10	AI-driven attenuation correction for brain PET/MRI: Clinical evaluation of a dementia cohort and importance of the training group size. <i>NeuroImage</i> , 2020, 222, 117221.	4.2	47
11	Visual stimuli induce serotonin release in occipital cortex: A simultaneous positron emission tomography/magnetic resonance imaging study. <i>Human Brain Mapping</i> , 2020, 41, 4753-4763.	3.6	7
12	Does multiparametric imaging with ^{18}F -FDG-PET/MRI capture spatial variation in immunohistochemical cancer biomarkers in head and neck squamous cell carcinoma?. <i>British Journal of Cancer</i> , 2020, 123, 46-53.	6.4	13
13	Dynamic 2D and 3D mapping of hyperpolarized pyruvate to lactate conversion in vivo with efficient multi-echo balanced steady-state free precession at 3 T. <i>NMR in Biomedicine</i> , 2020, 33, e4291.	2.8	16
14	^{18}F -fluorothymidine (FLT)-PET and diffusion-weighted MRI for early response evaluation in patients with small cell lung cancer: a pilot study. <i>European Journal of Hybrid Imaging</i> , 2020, 4, 2.	1.5	2
15	Preparing data for multiparametric PET/MR imaging: Influence of PET point spread function modelling and EPI distortion correction on the spatial correlation of ^{18}F FDG-PET and diffusion-weighted MRI in head and neck cancer. <i>Physica Medica</i> , 2019, 61, 1-7.	0.7	8
16	^{18}F -FDG PET/MR-imaging in a Göttingen Minipig model of atherosclerosis: Correlations with histology and quantitative gene expression. <i>Atherosclerosis</i> , 2019, 285, 55-63.	0.8	12
17	Very Early Response Evaluation by PET/MR in Patients with Lung Cancer—Timing and Feasibility. <i>Diagnostics</i> , 2019, 9, 35.	2.6	5
18	Phase contrast mapping MRI measurements of global cerebral blood flow across different perfusion states — A direct comparison with ^{15}O -H $_2\text{O}$ positron emission tomography using a hybrid PET/MR system. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 2368-2378.	4.3	17

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19	Reproducibility of MR-Based Attenuation Maps in PET/MRI and the Impact on PET Quantification in Lung Cancer. <i>Journal of Nuclear Medicine</i> , 2018, 59, 999-1004.	5.0	15
20	Components of day-to-day variability of cerebral perfusion measurements – Analysis of phase contrast mapping magnetic resonance imaging measurements in healthy volunteers. <i>PLoS ONE</i> , 2018, 13, e0197807.	2.5	6
21	Simultaneous characterization of tumor cellularity and the Warburg effect with PET, MRI and hyperpolarized ¹³ C-MRSI. <i>Theranostics</i> , 2018, 8, 4765-4780.	10.0	35
22	Combined hyperpolarized ¹³ C-pyruvate MRS and ¹⁸ F-FDG PET (hyperPET) estimates of glycolysis in canine cancer patients. <i>European Journal of Radiology</i> , 2018, 103, 6-12.	2.6	21
23	A multi-centre evaluation of eleven clinically feasible brain PET/MRI attenuation correction techniques using a large cohort of patients. <i>NeuroImage</i> , 2017, 147, 346-359.	4.2	200
24	Aggression-related brain function assessed with the Point Subtraction Aggression Paradigm in fMRI. <i>Aggressive Behavior</i> , 2017, 43, 601-610.	2.4	34
25	A Prospective Study Comparing ^{99m} Tc-Hydroxyethylene-Diphosphonate Planar Bone Scintigraphy and Whole-Body SPECT/CT with ¹⁸ F-Fluoride PET/CT and ¹⁸ F-Fluoride PET/MRI for Diagnosing Bone Metastases. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1778-1785.	5.0	67
26	Feasibility of Multiparametric Imaging with PET/MR in Head and Neck Squamous Cell Carcinoma. <i>Journal of Nuclear Medicine</i> , 2017, 58, 69-74.	5.0	44
27	Effect of Attenuation Correction on Regional Quantification Between PET/MR and PET/CT: A Multicenter Study Using a 3-Dimensional Brain Phantom. <i>Journal of Nuclear Medicine</i> , 2016, 57, 818-824.	5.0	11
28	In Vivo Phenotyping of Tumor Metabolism in a Canine Cancer Patient with Simultaneous ¹⁸ F-FDG-PET and Hyperpolarized ¹³ C-Pyruvate Magnetic Resonance Spectroscopic Imaging (hyperPET): Mismatch Demonstrates that FDG may not Always Reflect the Warburg Effect. <i>Diagnostics</i> , 2015, 5, 287-289.	2.6	10
29	⁶⁴ Cu-DOTATATE PET/MRI for Detection of Activated Macrophages in Carotid Atherosclerotic Plaques. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1696-1703.	2.4	108
30	Reproducibility of ¹⁸ F-FDG PET uptake measurements in head and neck squamous cell carcinoma on both PET/CT and PET/MR. <i>British Journal of Radiology</i> , 2015, 88, 20140655.	2.2	31
31	Simultaneous Hyperpolarized ¹³ C-Pyruvate MRI and ¹⁸ F-FDG PET (HyperPET) in 10 Dogs with Cancer. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1786-1792.	5.0	54
32	PET/MR attenuation correction in brain imaging using a continuous bone signal derived from UTE. <i>EJNMMI Physics</i> , 2015, 2, A39.	2.7	10
33	PET/MR: improvement of the UTE ¼-maps using modified MLAA. <i>EJNMMI Physics</i> , 2015, 2, A58.	2.7	3
34	The use of dynamic nuclear polarization (¹³ C-pyruvate MRS in cancer. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 5, 548-60.	1.0	32
35	An SPM8-Based Approach for Attenuation Correction Combining Segmentation and Nonrigid Template Formation: Application to Simultaneous PET/MR Brain Imaging. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1825-1830.	5.0	171
36	Glycopyrrolate does not influence the visual or motor-induced increase in regional cerebral perfusion. <i>Frontiers in Physiology</i> , 2014, 5, 45.	2.8	5

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37	Impact of incorrect tissue classification in Dixon-based MR-AC: fat-water tissue inversion. <i>EJNMMI Physics</i> , 2014, 1, 101.	2.7	42
38	Combined PET/MR imaging in neurology: MR-based attenuation correction implies a strong spatial bias when ignoring bone. <i>NeuroImage</i> , 2014, 84, 206-216.	4.2	170
39	PET/MR imaging of sarcomas: effect of PET quantification by classification of tissue. <i>EJNMMI Physics</i> , 2014, 1, A67.	2.7	2
40	Cortical surface-based analysis reduces bias and variance in kinetic modeling of brain PET data. <i>NeuroImage</i> , 2014, 92, 225-236.	4.2	179
41	PET/MRI in cancer patients: first experiences and vision from Copenhagen. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2013, 26, 37-47.	2.0	32
42	Evaluation of dynamic contrast-enhanced T1-weighted perfusion MRI in the differentiation of tumor recurrence from radiation necrosis. <i>Neuroradiology</i> , 2013, 55, 361-369.	2.2	91
43	PET/MR imaging of the pelvis in the presence of endoprostheses: reducing image artifacts and increasing accuracy through inpainting. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 594-601.	6.4	42
44	Image artifacts from MR-based attenuation correction in clinical, whole-body PET/MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2013, 26, 173-181.	2.0	119
45	Measurement of brain oxygenation changes using dynamic T1-weighted imaging. <i>NeuroImage</i> , 2013, 78, 7-15.	4.2	23
46	Magnetic resonance angiography of intracranial and extracranial arteries in patients with spontaneous migraine without aura: a cross-sectional study. <i>Lancet Neurology</i> , The, 2013, 12, 454-461.	10.2	244
47	Headache and prolonged dilatation of the middle meningeal artery by PACAP38 in healthy volunteers. <i>Cephalalgia</i> , 2012, 32, 140-149.	3.9	111
48	Estimation of intersubject variability of cerebral blood flow measurements using MRI and positron emission tomography. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 1290-1299.	3.4	67
49	Correlation between single-trial visual evoked potentials and the blood oxygenation level dependent response in simultaneously recorded electroencephalography—functional magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 252-260.	3.0	14
50	Effect of CGRP and sumatriptan on the BOLD response in visual cortex. <i>Journal of Headache and Pain</i> , 2012, 13, 159-166.	6.0	31
51	Pharmacological modulation of the bOLD response: A study of acetazolamide and glyceryl trinitrate in humans. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 921-927.	3.4	16
52	Evidence for a vascular factor in migraine. <i>Annals of Neurology</i> , 2011, 69, 635-645.	5.3	252
53	A Functional Magnetic Resonance Imaging Study of a Large Clinical Cohort of Children With Tourette Syndrome. <i>Journal of Child Neurology</i> , 2011, 26, 560-569.	1.4	34
54	Cerebral Haemodynamic Response or Excitability is not Affected by Sildenafil. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 830-839.	4.3	29

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55	Electron transport in InAs nanowires and heterostructure nanowire devices. Solid State Communications, 2004, 131, 573-579.	1.9	134
56	Semiconductor nanowires for 0D and 1D physics and applications. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 25, 313-318.	2.7	172
57	Few-Electron Quantum Dots in Nanowires. Nano Letters, 2004, 4, 1621-1625.	9.1	274
58	Decoherence in Aharonov-Bohm rings. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 770-773.	2.7	7
59	Investigation of the mesoscopic Aharonov-Bohm effect in low magnetic fields. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 776-780.	2.7	8
60	Punctuated vortex coalescence and discrete scale invariance in two-dimensional turbulence. Physica D: Nonlinear Phenomena, 2000, 138, 302-315.	2.8	30
61	Quantum Interference above 4.2 K in a GaAl _{0.3} As _{0.7} /GaAs Aharonov-Bohm Ring. Journal of Low Temperature Physics, 2000, 118, 457-465.	1.4	5
62	Coherent structures in two-dimensional decaying turbulence. Nonlinearity, 2000, 13, C1-C3.	1.4	2
63	Observation of quantum asymmetry in an Aharonov-Bohm ring. Physical Review B, 2000, 61, 5457-5460.	3.2	77
64	Bias and temperature dependence of the 0.7 conductance anomaly in quantum point contacts. Physical Review B, 2000, 62, 10950-10957.	3.2	206
65	Cover illustration: Polygonal hydraulic jumps. Nonlinearity, 1999, 12, 1-7.	1.4	57
66	Creating corners in kitchen sinks. Nature, 1998, 392, 767-768.	27.8	79
67	Separation and pattern formation in hydraulic jumps. Physica A: Statistical Mechanics and Its Applications, 1998, 249, 111-117.	2.6	12
68	Two-dimensional turbulence and dispersion in a freely decaying system. Physical Review E, 1998, 58, 7261-7271.	2.1	73
69	Fractal Particle Trajectories in Capillary Waves: Imprint of Wavelength. Physical Review Letters, 1997, 79, 1845-1848.	7.8	25
70	Hydraulic jumps, flow separation and wave breaking: An experimental study. Physica B: Condensed Matter, 1996, 228, 1-10.	2.7	58
71	Experimental results on flow separation and transitions in the circular hydraulic jump. Physica Scripta, 1996, T67, 105-110.	2.5	34