Jens Langner

List of Publications by Year
in descending order

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36	816	471509	501196
papers	citations	17 h-index	28 g-index

38	38	38	1258
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A convolutional neural network for fully automated blood SUV determination to facilitate SUR computation in oncological FDG-PET. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 995-1004.	6.4	6
2	Automated objective optimization of iterative image reconstruction protocols. , 2021, 60, .		0
3	Motion Compensation in Emission Tomography. , 2021, , 1359-1405.		0
4	Motion Compensation in Emission Tomography. , 2020, , 1-47.		1
5	Interobserver variability of image-derived arterial blood SUV in whole-body FDG PET. EJNMMI Research, 2019, 9, 23.	2.5	4
6	Time efficient scatter correction for time-of-flight PET: the immediate scatter approximation. Physics in Medicine and Biology, 2019, 64, 075005.	3.0	2
7	Photon vs. proton radiochemotherapy: Effects on brain tissue volume and perfusion. Radiotherapy and Oncology, 2018, 128, 121-127.	0.6	48
8	Monitoring scanner calibration using the image-derived arterial blood SUV in whole-body FDG-PET. EJNMMI Research, 2018, 8, 38.	2.5	0
9	FDG PET/MR in initial staging of sarcoma: Initial experience and comparison with conventional imaging. Clinical Imaging, 2017, 42, 126-132.	1.5	21
10	Early and late effects of radiochemotherapy on cerebral blood flow in glioblastoma patients measured with non-invasive perfusion MRI. Radiotherapy and Oncology, 2016, 118, 24-28.	0.6	32
11	Improving the quantification accuracy of a PET/CT-scanner with pixelated large area detector. , 2015, , .		0
12	Correction of quantification errors in pelvic and spinal lesions caused by ignoring higher photon attenuation of bone in [¹⁸F]NaF PET/MR. Medical Physics, 2015, 42, 6468-6476.	3.0	10
13	On the relation between Kaiserâ€“Bessel blob and tube of response based modelling of the system matrix in iterative PET image reconstruction. Physics in Medicine and Biology, 2015, 60, 4209-4224.	3.0	3
14	Evaluation of in vivo quantification accuracy of the Ingenuityâ€TF PET/MR. Medical Physics, 2015, 42, 5773-5781.	3.0	5
15	Correction of scan time dependence of standard uptake values in oncological PET. EJNMMI Research, 2014, 4, 18.	2.5	46
16	FDG PET/MR for lymph node staging in head and neck cancer. European Journal of Radiology, 2014, 83, 1163-1168.	2.6	46
17	A volume of intersection approach for on-the-fly system matrix calculation in 3D PET image reconstruction. Physics in Medicine and Biology, 2014, 59, 561-577.	3.0	17
18	Evaluation and automatic correction of metal-implant-induced artifacts in MR-based attenuation correction in whole-body PET/MR imaging. Physics in Medicine and Biology, 2014, 59, 2713-2726.	3.0	21

#	Article	IF	Citations
19	Modeling magnetization transfer effects of Q2TIPS bolus saturation in multi-TI pulsed arterial spin labeling. Magnetic Resonance in Medicine, 2014, 72, 1007-1014.	3.0	2
20	FDG PET/MR for the Assessment of Lymph Node Involvement in Lymphoma. Academic Radiology, 2014, 21, 1314-1319.	2.5	22
21	Preliminary evaluation of the MLAA algorithm with the Philips Ingenuity PET/MR. EJNMMI Physics, 2014, 1, A33.	2.7	4
22	Evaluation of PET quantification accuracy in vivo. Nuklearmedizin - NuclearMedicine, 2014, 53, 67-77.	0.7	7
23	PET/MRI in head and neck cancer: initial experience. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 6-11.	6.4	101
24	The PET-derived tumor-to-blood standard uptake ratio (SUR) is superior to tumor SUV as a surrogate parameter of the metabolic rate of FDG. EJNMMI Research, 2013, 3, 77.	2.5	96
25	Dual time point based quantification of metabolic uptake rates in 18F-FDG PET. EJNMMI Research, 2013, 3, 16.	2.5	21
26	PET/MR for therapy response evaluation in malignant lymphoma: initial experience. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2013, 26, 49-55.	2.0	42
27	Influence and Compensation of Truncation Artifacts in MR-Based Attenuation Correction in PET/MR. IEEE Transactions on Medical Imaging, 2013, 32, 2056-2063.	8.9	37
28	Quantitative accuracy of attenuation correction in the Philips Ingenuity TF whole-body PET/MR system: a direct comparison with transmission-based attenuation correction. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2013, 26, 115-126.	2.0	61
29	Partial volume correction in arterial spin labeling using a Lookâ€Locker sequence. Magnetic Resonance in Medicine, 2013, 70, 1535-1543.	3.0	26
30	A method for model-free partial volume correction in oncological PET. EJNMMI Research, 2012, 2, 16.	2.5	45
31	Motion Compensation in Emission Tomography. , 2012, , 1007-1042.		0
32	Locally adaptive filtering for edge preserving noise reduction on images with low SNR in PET. , 2011, , .		6
33	Suitability of bilateral filtering for edge-preserving noise reduction in PET. EJNMMI Research, 2011, 1, 23.	2.5	51
34	Comparison of dopamine turnover, dopamine influx constant and activity ratio of striatum and occipital brain with 18F-dopa brain PET in normal controls and patients with Parkinsonâ€™s disease. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 1550-1559.	6.4	20
35	Event-by-event attenuation measurement for ACS2-based PET systems. , 2008, , .		0
36	Optimized List-Mode Acquisition and Data Processing Procedures for ACS2 Based PET Systems. Zeitschrift Fur Medizinische Physik, 2006, 16, 75-82.	1.5	10