

Christian Buchbender

List of Publications by Year in descending order

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54
papers

2,091
citations

218677

26
h-index

233421

45
g-index

54
all docs

54
docs citations

54
times ranked

2402
citing authors

#	ARTICLE	IF	CITATIONS
1	Oncologic PET/MRI, Part 1: Tumors of the Brain, Head and Neck, Chest, Abdomen, and Pelvis. <i>Journal of Nuclear Medicine</i> , 2012, 53, 928-938.	5.0	187
2	Oncologic PET/MRI, Part 2: Bone Tumors, Soft-Tissue Tumors, Melanoma, and Lymphoma. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1244-1252.	5.0	150
3	Thoracic Staging in Lung Cancer: Prospective Comparison of ¹⁸ F-FDG PET/MR Imaging and ¹⁸ F-FDG PET/CT. <i>Journal of Nuclear Medicine</i> , 2014, 55, 373-378.	5.0	107
4	Diagnostic potential of PET/CT using a 68Ga-labelled prostate-specific membrane antigen ligand in whole-body staging of renal cell carcinoma: initial experience. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 102-107.	6.4	87
5	Standardized uptake values for [18F] FDG in normal organ tissues: Comparison of whole-body PET/CT and PET/MRI. <i>European Journal of Radiology</i> , 2013, 82, 870-876.	2.6	86
6	Locoregional tumour evaluation of squamous cell carcinoma in the head and neck area: a comparison between MRI, PET/CT and integrated PET/MRI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 92-102.	6.4	85
7	Positron Emission Tomography/Magnetic Resonance Imaging for Local Tumor Staging in Patients With Primary Breast Cancer. <i>Investigative Radiology</i> , 2015, 50, 505-513.	6.2	84
8	Depiction and characterization of liver lesions in whole body [18F]-FDG PET/MRI. <i>European Journal of Radiology</i> , 2013, 82, e669-e675.	2.6	83
9	Evaluation of 18 F-FDG PET/MRI, 18 F-FDG PET/CT, MRI, and CT in whole-body staging of recurrent breast cancer. <i>European Journal of Radiology</i> , 2016, 85, 459-465.	2.6	81
10	MR-sequences for prostate cancer diagnostics: validation based on the PI-RADS scoring system and targeted MR-guided in-bore biopsy. <i>European Radiology</i> , 2014, 24, 2582-2589.	4.5	78
11	Comparative Performance of ¹⁸ F-FDG PET/MRI and ¹⁸ F-FDG PET/CT in Detection and Characterization of Pulmonary Lesions in 121 Oncologic Patients. <i>Journal of Nuclear Medicine</i> , 2016, 57, 582-586.	5.0	68
12	Evaluation of the Outcome of Lung Nodules Missed on ¹⁸ F-FDG PET/MRI Compared with ¹⁸ F-FDG PET/CT in Patients with Known Malignancies. <i>Journal of Nuclear Medicine</i> , 2016, 57, 15-20.	5.0	67
13	Diagnostic accuracy of whole-body PET/MRI and whole-body PET/CT for TNM staging in oncology. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 42-48.	6.4	62
14	Diffusion-weighted imaging as part of hybrid PET/MRI protocols for whole-body cancer staging: Does it benefit lesion detection?. <i>European Journal of Radiology</i> , 2013, 82, 877-882.	2.6	57
15	Diagnostic accuracy of ultrasound, 18F-FDG-PET/CT, and fused 18F-FDG-PET-MR images with DWI for the detection of cervical lymph node metastases of HNSCC. <i>Clinical Oral Investigations</i> , 2014, 18, 969-978.	3.0	52
16	Thoracic staging with 18F-FDG PET/MR in non-small cell lung cancer – does it change therapeutic decisions in comparison to 18F-FDG PET/CT?. <i>European Radiology</i> , 2017, 27, 681-688.	4.5	49
17	Hybrid 18F-labeled Fluoride Positron Emission Tomography/Magnetic Resonance (MR) Imaging of the Sacroiliac Joints and the Spine in Patients with Axial Spondyloarthritis: A Pilot Study Exploring the Link of MR Bone Pathologies and Increased Osteoblastic Activity. <i>Journal of Rheumatology</i> , 2015, 42, 1631-1637.	2.0	48
18	Prospective comparison of whole-body MRI and 68Ga-PSMA PET/CT for the detection of biochemical recurrence of prostate cancer after radical prostatectomy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1542-1550.	6.4	47

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19	Prospective comparison of 18F-FDG PET/MRI and 18F-FDG PET/CT for thoracic staging of non-small cell lung cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 437-445.	6.4	44
20	Prospective comparison of the diagnostic accuracy of 18F-FDG PET/MRI, MRI, CT, and bone scintigraphy for the detection of bone metastases in the initial staging of primary breast cancer patients. <i>European Radiology</i> , 2021, 31, 8714-8724.	4.5	43
21	Correlation of the Apparent Diffusion Coefficient (ADC) with the Standardized Uptake Value (SUV) in Lymph Node Metastases of Non-Small Cell Lung Cancer (NSCLC) Patients Using Hybrid 18F-FDG PET/MRI. <i>PLoS ONE</i> , 2015, 10, e0116277.	2.5	39
22	Evaluation of Practical Interpretation Hurdles in 68Ga-PSMA PET/CT in 55 Patients. <i>Clinical Nuclear Medicine</i> , 2017, 42, e322-e327.	1.3	32
23	Comparison of nodal staging between CT, MRI, and [18F]-FDG PET/MRI in patients with newly diagnosed breast cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 992-1001.	6.4	32
24	Cartilage quality in rheumatoid arthritis: comparison of T2* mapping, native T1 mapping, dGEMRIC, $\hat{\rho}$ R1 and value of pre-contrast imaging. <i>Skeletal Radiology</i> , 2012, 41, 685-692.	2.0	31
25	Optimizing Positron Emission Tomography Image Acquisition Protocols in Integrated Positron Emission Tomography/Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2013, 48, 290-294.	6.2	29
26	Local and whole-body staging in patients with primary breast cancer: a comparison of one-step to two-step staging utilizing 18F-FDG-PET/MRI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 2328-2337.	6.4	28
27	Does 18F-FDG PET/MRI reduce the number of indeterminate abdominal incidentalomas compared with 18F-FDG PET/CT?. <i>Nuclear Medicine Communications</i> , 2015, 36, 588-595.	1.1	25
28	Thoracic staging of non-small-cell lung cancer using integrated 18F-FDG PET/MR imaging: diagnostic value of different MR sequences. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 1257-1267.	6.4	23
29	Prospective evaluation of whole-body MRI and 18F-FDG PET/MRI in N and M staging of primary breast cancer patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2816-2825.	6.4	23
30	Imaging children suffering from lymphoma: an evaluation of different 18F-FDG PET/MRI protocols compared to whole-body DW-MRI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 1742-1750.	6.4	22
31	FDG-PET/CT for the early prediction of histopathological complete response to neoadjuvant chemotherapy in breast cancer patients: initial results. <i>Acta Radiologica</i> , 2012, 53, 628-636.	1.1	19
32	Utility of combined high-resolution bone SPECT and MRI for the identification of rheumatoid arthritis patients with high-risk for erosive progression. <i>European Journal of Radiology</i> , 2013, 82, 374-379.	2.6	18
33	Dual-phase hybrid ^{18}F -fluoride Positron emission tomography/MRI in ankylosing spondylitis: Investigating the link between MRI bone changes, regional hyperaemia and increased osteoblastic activity. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2018, 62, 313-319.	1.8	18
34	Impact of 18F-FDG PET/MR on therapeutic management in high risk primary breast cancer patients – A prospective evaluation of staging algorithms. <i>European Journal of Radiology</i> , 2020, 128, 108975.	2.6	18
35	Synovitis and bone inflammation in early rheumatoid arthritis: high-resolution multi-pinhole single-photon-emission computed tomography (mph-spect) versus magnetic resonance imaging (mri). <i>Diagnostic and Interventional Radiology</i> , 2012, 19, 20-4.	1.5	16
36	Does positron emission tomography data acquisition impact simultaneous diffusion-weighted imaging in a whole-body PET/MRI system?. <i>European Journal of Radiology</i> , 2013, 82, 380-384.	2.6	15

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37	Value of ¹⁸ F- ¹⁸ F-FDG PET/MRI for the outcome of CT-guided facet block therapy in cervical facet syndrome: initial results. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2017, 61, 327-333.	1.8	15
38	Prospective Correlation of Prognostic Immunohistochemical Markers With SUV and ADC Derived From Dedicated Hybrid Breast 18F-FDG PET/MRI in Women With Newly Diagnosed Breast Cancer. <i>Clinical Nuclear Medicine</i> , 2021, 46, 201-205.	1.3	15
39	Oncological whole-body staging in integrated 18F-FDG PET/MR: Value of different MR sequences for simultaneous PET and MR reading. <i>European Journal of Radiology</i> , 2015, 84, 1285-1292.	2.6	13
40	Malignant pleural mesothelioma: initial experience in integrated 18F-FDG PET/MR imaging. <i>Clinical Imaging</i> , 2016, 40, 956-960.	1.5	12
41	Is integrated 18F-FDG PET/MRI superior to 18F-FDG PET/CT in the differentiation of incidental tracer uptake in the head and neck area?. <i>Diagnostic and Interventional Radiology</i> , 2017, 23, 127-132.	1.5	12
42	Potential influence of Gadolinium contrast on image segmentation in MR-based attenuation correction with Dixon sequences in whole-body 18F-FDG PET/MR. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 301-308.	2.0	11
43	Prospective comparison of CT and 18F-FDG PET/MRI in N and M staging of primary breast cancer patients: Initial results. <i>PLoS ONE</i> , 2021, 16, e0260804.	2.5	11
44	Impact of different metal artifact reduction techniques on attenuation correction in 18F-FDG PET/CT examinations. <i>British Journal of Radiology</i> , 2020, 93, 20190069.	2.2	9
45	Incidental 18F-FDG uptake in the colon: value of contrast-enhanced CT correlation with colonoscopic findings. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 778-786.	6.4	8
46	Heparin-bonded stent graft treatment for major visceral arterial injury after upper abdominal surgery. <i>European Radiology</i> , 2018, 28, 3221-3227.	4.5	7
47	Patterns of magnetic resonance imaging of the foot in rheumatoid arthritis: which joints are most frequently involved?. <i>Rheumatology International</i> , 2013, 33, 1731-1736.	3.0	6
48	Effects of Anti-Tumor Necrosis Factor Therapy on Osteoblastic Activity at Sites of Inflammatory and Structural Lesions in Radiographic Axial Spondyloarthritis: A Prospective Proof-of-Concept Study Using Positron Emission Tomography/Magnetic Resonance Imaging of the Sacroiliac Joints and Spine. <i>Arthritis and Rheumatology</i> , 2022, 74, 1497-1505.	5.6	6
49	Evaluation of a simplified version of the Rheumatoid Arthritis Magnetic Resonance Imaging Score (RAMRIS) comprising 5 joints (RAMRIS5). <i>Clinical and Experimental Rheumatology</i> , 2015, 33, 209-15.	0.8	5
50	Virtual 3-D 18F-FDG PET/CT panendoscopy for assessment of the upper airways of head and neck cancer patients: a feasibility study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 1435-1440.	6.4	4
51	Virtual 18F-FDG PET/CT bronchoscopy for lymph node staging in non-small-cell lung cancer patients: present and future applications. <i>Expert Review of Medical Devices</i> , 2012, 9, 241-247.	2.8	2
52	Free-breathing 3D Stack of Stars GRE (StarVIBE) sequence for detecting pulmonary nodules in 18F-FDG PET/MRI. <i>EJNMMI Physics</i> , 2022, 9, 11.	2.7	2
53	Incidental Findings in 18F-FDG PET/CT and PET/MR. <i>Medical Radiology</i> , 2016, , 169-196.	0.1	0
54	Reply to Letter to the Editor: The added benefit of contrast-enhanced CT in the evaluation of incidental FDG-avid colon lesions. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2245-2246.	6.4	0