

Philipp Lohmann

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85
papers

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37
g-index

92
ext. papers

2,167
ext. citations

4.5
avg, IF

4.95
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 85 | Combined FET PET/MRI radiomics differentiates radiation injury from recurrent brain metastasis. <i>NeuroImage: Clinical</i> , 2018 , 20, 537-542 | 5.3 | 79 |
| 84 | OTHR-14. TREATMENT MONITORING OF IMMUNOTHERAPY AND TARGETED THERAPY USING FET PET IN PATIENTS WITH MELANOMA AND LUNG CANCER BRAIN METASTASES: INITIAL EXPERIENCES. <i>Neuro-Oncology Advances</i> , 2019 , 1, i21-i21 | 0.9 | 78 |
| 83 | NIMG-78. FIRST TIME CORRELATION OF FET PET, MRI AND POST-MORTEM WHOLE-BRAIN HISTOPATHOLOGY IN A PROGRESSIVE GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2017 , 19, vi160-vi160 | 1 | 78 |
| 82 | MLTI-17. DIFFERENTIATION OF RADIATION INJURY FROM RECURRENT BRAIN METASTASIS USING COMBINED FET PET/MRI RADIOMICS. <i>Neuro-Oncology Advances</i> , 2019 , 1, i17-i18 | 0.9 | 78 |
| 81 | NIMG-38. NON-INVASIVE PREDICTION OF MGMT PROMOTER METHYLATION USING COMBINED FET PET/MRI RADIOMICS. <i>Neuro-Oncology</i> , 2020 , 22, ii156-ii156 | 1 | 78 |
| 80 | PET/MRI Radiomics in Patients With Brain Metastases. <i>Frontiers in Neurology</i> , 2020 , 11, 1 | 4.1 | 77 |
| 79 | Static and dynamic F-FET PET for the characterization of gliomas defined by IDH and 1p/19q status. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 443-451 | 8.8 | 73 |
| 78 | Dynamic O-(2-18F-fluoroethyl)-L-tyrosine positron emission tomography differentiates brain metastasis recurrence from radiation injury after radiotherapy. <i>Neuro-Oncology</i> , 2017 , 19, 281-288 | 1 | 69 |
| 77 | Dual-time-point O-(2-[18F]fluoroethyl)-L-tyrosine PET for grading of cerebral gliomas. <i>European Radiology</i> , 2015 , 25, 3017-24 | 8 | 65 |
| 76 | Radiation injury vs. recurrent brain metastasis: combining textural feature radiomics analysis and standard parameters may increase F-FET PET accuracy without dynamic scans. <i>European Radiology</i> , 2017 , 27, 2916-2927 | 8 | 62 |
| 75 | Predicting IDH genotype in gliomas using FET PET radiomics. <i>Scientific Reports</i> , 2018 , 8, 13328 | 4.9 | 56 |
| 74 | Imaging of amino acid transport in brain tumours: Positron emission tomography with O-(2-[F]fluoroethyl)-L-tyrosine (FET). <i>Methods</i> , 2017 , 130, 124-134 | 4.6 | 55 |
| 73 | Current status of PET imaging in neuro-oncology. <i>Neuro-Oncology Advances</i> , 2019 , 1, vdz010 | 0.9 | 51 |
| 72 | Bone regeneration induced by a 3D architected hydrogel in a rat critical-size calvarial defect. <i>Biomaterials</i> , 2017 , 113, 158-169 | 15.6 | 51 |
| 71 | Comparison of F-FET PET and perfusion-weighted MRI for glioma grading: a hybrid PET/MR study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 2257-2265 | 8.8 | 41 |
| 70 | Radiomics in neuro-oncology: Basics, workflow, and applications. <i>Methods</i> , 2021 , 188, 112-121 | 4.6 | 38 |
| 69 | FET PET reveals considerable spatial differences in tumour burden compared to conventional MRI in newly diagnosed glioblastoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 591-602 | 8.8 | 34 |

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| 68 | Early treatment response evaluation using FET PET compared to MRI in glioblastoma patients at first progression treated with bevacizumab plus lomustine. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 2377-2386 | 8.8 | 31 |
| 67 | Differentiation of treatment-related changes from tumour progression: a direct comparison between dynamic FET PET and ADC values obtained from DWI MRI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 1889-1901 | 8.8 | 28 |
| 66 | FET PET Radiomics for Differentiating Pseudoprogression from Early Tumor Progression in Glioma Patients Post-Chemoradiation. <i>Cancers</i> , 2020 , 12, | 6.6 | 26 |
| 65 | Influence of Bevacizumab on Blood-Brain Barrier Permeability and -(2-F-Fluoroethyl)-l-Tyrosine Uptake in Rat Gliomas. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 700-705 | 8.9 | 23 |
| 64 | Combined Amino Acid Positron Emission Tomography and Advanced Magnetic Resonance Imaging in Glioma Patients. <i>Cancers</i> , 2019 , 11, | 6.6 | 23 |
| 63 | Applications of radiomics and machine learning for radiotherapy of malignant brain tumors. <i>Strahlentherapie Und Onkologie</i> , 2020 , 196, 856-867 | 4.3 | 21 |
| 62 | Comparison of O-(2-F-Fluoroethyl)-L-Tyrosine Positron Emission Tomography and Perfusion-Weighted Magnetic Resonance Imaging in the Diagnosis of Patients with Progressive and Recurrent Glioma: A Hybrid Positron Emission Tomography/Magnetic Resonance Study. <i>World Neurosurgery</i> , 2018 , 113, e727-e737 | 2.1 | 21 |
| 61 | Photopenic defects on O-(2-[18F]-fluoroethyl)-L-tyrosine PET: clinical relevance in glioma patients. <i>Neuro-Oncology</i> , 2019 , 21, 1331-1338 | 1 | 19 |
| 60 | Spatial Relationship of Glioma Volume Derived from F-FET PET and Volumetric MR Spectroscopy Imaging: A Hybrid PET/MRI Study. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 603-609 | 8.9 | 19 |
| 59 | Influence of blood-brain barrier permeability on O-(2-F-fluoroethyl)-L-tyrosine uptake in rat gliomas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 408-416 | 8.8 | 18 |
| 58 | Current Landscape and Emerging Fields of PET Imaging in Patients with Brain Tumors. <i>Molecules</i> , 2020 , 25, | 4.8 | 15 |
| 57 | Evaluation of factors influencing F-FET uptake in the brain. <i>NeuroImage: Clinical</i> , 2018 , 17, 491-497 | 5.3 | 13 |
| 56 | Use of FET PET in glioblastoma patients undergoing neurooncological treatment including tumour-treating fields: initial experience. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 1626-1635 | 8.8 | 12 |
| 55 | Radiomics derived from amino-acid PET and conventional MRI in patients with high-grade gliomas. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 62, 272-280 | 1.4 | 12 |
| 54 | Radiomics in radiation oncology-basics, methods, and limitations. <i>Strahlentherapie Und Onkologie</i> , 2020 , 196, 848-855 | 4.3 | 11 |
| 53 | A Preliminary Study on Machine Learning-Based Evaluation of Static and Dynamic FET-PET for the Detection of Pseudoprogression in Patients with IDH-Wildtype Glioblastoma. <i>Cancers</i> , 2020 , 12, | 6.6 | 11 |
| 52 | Current trends in the use of O-(2-[F]fluoroethyl)-L-tyrosine ([F]FET) in neurooncology. <i>Nuclear Medicine and Biology</i> , 2021 , 92, 78-84 | 2.1 | 11 |
| 51 | Hybrid MR-PET of brain tumours using amino acid PET and chemical exchange saturation transfer MRI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 1031-1040 | 8.8 | 10 |

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| 50 | New measurements to compare soft tissue anchoring systems in pelvic floor surgery. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012 , 100, 924-33 | 3.5 | 10 |
| 49 | Treatment Monitoring of Immunotherapy and Targeted Therapy Using F-FET PET in Patients with Melanoma and Lung Cancer Brain Metastases: Initial Experiences. <i>Journal of Nuclear Medicine</i> , 2021 , 62, 464-470 | 8.9 | 10 |
| 48 | Prediction of survival in patients with IDH-wildtype astrocytic gliomas using dynamic O-(2-[F]-fluoroethyl)-L-tyrosine PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 1486-1495 | 8.8 | 9 |
| 47 | Introducing a method of in vitro testing of different anchoring systems used for female incontinence and prolapse surgery. <i>BioMed Research International</i> , 2013 , 2013, 401417 | 3 | 9 |
| 46 | Early Treatment Response Assessment Using F-FET PET Compared with Contrast-Enhanced MRI in Glioma Patients After Adjuvant Temozolomide Chemotherapy. <i>Journal of Nuclear Medicine</i> , 2021 , 62, 918-925 | 8.9 | 8 |
| 45 | Role of the default mode resting-state network for cognitive functioning in malignant glioma patients following multimodal treatment. <i>NeuroImage: Clinical</i> , 2020 , 27, 102287 | 5.3 | 8 |
| 44 | Influence of Dexamethasone on O-(2-[F]-Fluoroethyl)-L-Tyrosine Uptake in the Human Brain and Quantification of Tumor Uptake. <i>Molecular Imaging and Biology</i> , 2019 , 21, 168-174 | 3.8 | 8 |
| 43 | O-(2-[18F]-Fluoroethyl)-L-Tyrosine (FET) in Neurooncology: A Review of Experimental Results. <i>Current Radiopharmaceuticals</i> , 2019 , 12, 201-210 | 1.8 | 8 |
| 42 | Molecular imaging and advanced MRI findings following immunotherapy in patients with brain tumors. <i>Expert Review of Anticancer Therapy</i> , 2020 , 20, 9-15 | 3.5 | 7 |
| 41 | The Jüch Experience With Simultaneous 3T MR-BrainPET: Methods and Technology. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019 , 3, 352-362 | 4.2 | 6 |
| 40 | Scatter Correction Based on GPU-Accelerated Full Monte Carlo Simulation for Brain PET/MRI. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 140-151 | 11.7 | 6 |
| 39 | Comparison of [F]Fluoroethyltyrosine PET and Sodium MRI in Cerebral Gliomas: a Pilot Study. <i>Molecular Imaging and Biology</i> , 2020 , 22, 198-207 | 3.8 | 6 |
| 38 | Sequential implementation of DSC-MR perfusion and dynamic [F]FET PET allows efficient differentiation of glioma progression from treatment-related changes. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 1956-1965 | 8.8 | 6 |
| 37 | Comment on "Hypometabolic gliomas on FET-PET-is there an inverted U-curve for survival?". <i>Neuro-Oncology</i> , 2019 , 21, 1612-1613 | 1 | 5 |
| 36 | Flare Phenomenon in -(2-F-Fluoroethyl)-l-Tyrosine PET After Resection of Gliomas. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 1294-1299 | 8.9 | 5 |
| 35 | Functional magnetic resonance imaging in glioma patients: from clinical applications to future perspectives. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 62, 295-302 | 1.4 | 5 |
| 34 | Treatment-Related Uptake of -(2-F-Fluoroethyl)-l-Tyrosine and l-[Methyl-H]-Methionine After Tumor Resection in Rat Glioma Models. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 1373-1379 | 8.9 | 4 |
| 33 | Investigation of cis-4-[F]Fluoro-D-Proline Uptake in Human Brain Tumors After Multimodal Treatment. <i>Molecular Imaging and Biology</i> , 2018 , 20, 1035-1043 | 3.8 | 4 |

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| 32 | Feature-based PET/MRI radiomics in patients with brain tumors. <i>Neuro-Oncology Advances</i> , 2020 , 2, iv15-iv21 | 4 | 1 |
| 31 | Evaluation of FET PET Radiomics Feature Repeatability in Glioma Patients. <i>Cancers</i> , 2021 , 13, | 6.6 | 4 |
| 30 | Radiomics for the non-invasive prediction of the BRAF mutation status in patients with melanoma brain metastases.. <i>Neuro-Oncology</i> , 2021 , | 1 | 4 |
| 29 | High-resolution, quantitative 3D PET image reconstruction for the Siemens hybrid 3T MR/BrainPET scanner using the PET reconstruction software toolkit (PRESTO). <i>EJNMMI Physics</i> , 2014 , 1, A51 | 4.4 | 3 |
| 28 | NIMG-32. DIFFERENTIATION OF PSEUDOPROGRESSION FROM TUMOR PROGRESSION IN GLIOBLASTOMA PATIENTS BASED ON FET PET RADIOMICS. <i>Neuro-Oncology</i> , 2017 , 19, vi148-vi149 | 1 | 3 |
| 27 | A Novel Anti-Inflammatory d-Peptide Inhibits Disease Phenotype Progression in an ALS Mouse Model. <i>Molecules</i> , 2021 , 26, | 4.8 | 3 |
| 26 | Diagnosis of Pseudoprogression Following Lomustine-Temozolomide Chemoradiation in Newly Diagnosed Glioblastoma Patients Using FET-PET. <i>Clinical Cancer Research</i> , 2021 , 27, 3704-3713 | 12.9 | 3 |
| 25 | Correlation of Dynamic O-(2-[F]Fluoroethyl)-L-Tyrosine Positron Emission Tomography, Conventional Magnetic Resonance Imaging, and Whole-Brain Histopathology in a Pretreated Glioblastoma: A Postmortem Study. <i>World Neurosurgery</i> , 2018 , 119, e653-e660 | 2.1 | 3 |
| 24 | Treatment monitoring of immunotherapy and targeted therapy using FET PET in patients with melanoma and lung cancer brain metastases: Initial experiences.. <i>Journal of Clinical Oncology</i> , 2019 , 37, e13525-e13525 | 2.2 | 2 |
| 23 | NIMG-79. EARLY TREATMENT RESPONSE ASSESSMENT USING O-(2-18F-FLUOROETHYL)-L-TYROSINE (FET) PET COMPARED TO MRI IN MALIGNANT GLIOMAS TREATED WITH ADJUVANT TEMOZOLOMIDE CHEMOTHERAPY. <i>Neuro-Oncology</i> , 2018 , 20, vi193-vi193 | 1 | 2 |
| 22 | F-FET-PET-guided gross total resection improves overall survival in patients with WHO grade III/IV glioma: moving towards a multimodal imaging-guided resection. <i>Journal of Neuro-Oncology</i> , 2021 , 155, 71-80 | 4.8 | 2 |
| 21 | Quantitative PET imaging with the 3T MR-BrainPET. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 702, 26-28 | 1.2 | 1 |
| 20 | FET and FDOPA PET Imaging in Glioma 2020 , 211-221 | | 1 |
| 19 | Advantages and limitations of amino acid PET for tracking therapy response in glioma patients. <i>Expert Review of Neurotherapeutics</i> , 2020 , 20, 137-146 | 4.3 | 1 |
| 18 | 32. TREATMENT MONITORING OF IMMUNOTHERAPY AND TARGETED THERAPY USING AMINO ACID PET IN PATIENTS WITH BRAIN METASTASES. <i>Neuro-Oncology Advances</i> , 2020 , 2, ii5-ii6 | 0.9 | 1 |
| 17 | Reply: Flare Phenomenon in -(2-[F]-Fluoroethyl)-L-Tyrosine PET After Resection of Gliomas. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 1852 | 8.9 | 1 |
| 16 | Lesion-Function Analysis from Multimodal Imaging and Normative Brain Atlases for Prediction of Cognitive Deficits in Glioma Patients. <i>Cancers</i> , 2021 , 13, | 6.6 | 1 |
| 15 | NIMG-05. THE T2-FLAIR MISMATCH SIGN IN IDH-MUTANT ASTROCYTOMAS - IS THERE AN ASSOCIATION WITH FET PET UPTAKE?. <i>Neuro-Oncology</i> , 2019 , 21, vi162-vi162 | 1 | 1 |

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| 14 | Combined F-FET PET and diffusion kurtosis MRI in posttreatment glioblastoma: differentiation of true progression from treatment-related changes. <i>Neuro-Oncology Advances</i> , 2021 , 3, vdab044 | 0.9 | 1 |
| 13 | Use of advanced neuroimaging and artificial intelligence in meningiomas.. <i>Brain Pathology</i> , 2022 , 32, e13015 | 6 | 1 |
| 12 | Radiomics outperforms semantic features for prediction of response to stereotactic radiosurgery in brain metastases. <i>Radiotherapy and Oncology</i> , 2021 , 166, 37-43 | 5.3 | 0 |
| 11 | Prognostic value of pre-irradiation FET PET in patients with not completely resectable IDH-wildtype glioma and minimal or absent contrast enhancement. <i>Scientific Reports</i> , 2021 , 11, 20828 | 4.9 | 0 |
| 10 | Case Report: Disruption of Resting-State Networks and Cognitive Deficits After Whole Brain Irradiation for Singular Brain Metastasis. <i>Frontiers in Neuroscience</i> , 2021 , 15, 738708 | 5.1 | 0 |
| 9 | Comparison of the Amyloid Load in the Brains of Two Transgenic Alzheimer's Disease Mouse Models Quantified by Florbetaben Positron Emission Tomography. <i>Frontiers in Neuroscience</i> , 2021 , 15, 699926 | 5.1 | 0 |
| 8 | A Linearized Fit Model for Robust Shape Parameterization of FET-PET TACs. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 1852-1862 | 11.7 | 0 |
| 7 | Adapting MR-BrainPET scans for comparison with conventional PET: experiences with dynamic FET-PET in brain tumours. <i>EJNMMI Physics</i> , 2014 , 1, A64 | 4.4 | |
| 6 | NIMG-26. DIAGNOSIS OF PSEUDOPROGRESSION FOLLOWING RADIOTHERAPY PLUS LOMUSTINE-TEMOZOLOMIDE CHEMOTHERAPY IN NEWLY DIAGNOSED GLIOBLASTOMA PATIENTS USING FET PET. <i>Neuro-Oncology</i> , 2020 , 22, ii152-ii153 | 1 | |
| 5 | NIMG-14. MACHINE LEARNING-BASED EVALUATION OF STATIC AND DYNAMIC FET-PET FOR THE DETECTION OF PSEUDOPROGRESSION IN PATIENTS WITH IDH-WILDTYPE GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2020 , 22, ii149-ii150 | 1 | |
| 4 | NIMG-43. IMAGING FINDINGS FOLLOWING REGORAFENIB IN PATIENTS WITH MALIGNANT GLIOMA: FET PET ADDS VALUABLE INFORMATION TO ANATOMICAL MRI. <i>Neuro-Oncology</i> , 2020 , 22, ii157-ii157 | 1 | |
| 3 | NIMG-27. REGORAFENIB RESPONSE ASSESSMENT USING FET PET IN PATIENTS WITH PROGRESSIVE GLIOMA. <i>Neuro-Oncology</i> , 2021 , 23, vi134-vi134 | 1 | |
| 2 | Combined FET PET/ADC mapping: improved imaging of glioma infiltration?. <i>Neuro-Oncology</i> , 2020 , 22, 313-314 | 1 | |
| 1 | Imaging of Response to Radiosurgery and Immunotherapy in Brain Metastases: Quo Vadis?. <i>Current Treatment Options in Neurology</i> , 2021 , 23, 1 | 4.4 | |