

Martin A Lodge

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7623016/publications.pdf>

Version: 2024-02-01

80
papers

6,792
citations

172457

29
h-index

88630

70
g-index

82
all docs

82
docs citations

82
times ranked

8345
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | From RECIST to PERCIST: Evolving Considerations for PET Response Criteria in Solid Tumors. Journal of Nuclear Medicine, 2009, 50, 122S-150S. | 5.0 | 3,047 |
| 2 | Combretastatin A4 Phosphate Has Tumor Antivascular Activity in Rat and Man as Demonstrated by Dynamic Magnetic Resonance Imaging. Journal of Clinical Oncology, 2003, 21, 2831-2842. | 1.6 | 328 |
| 3 | Practical PERCIST: A Simplified Guide to PET Response Criteria in Solid Tumors 1.0. Radiology, 2016, 280, 576-584. | 7.3 | 311 |
| 4 | Biodistribution, Tumor Detection, and Radiation Dosimetry of ¹⁸ F-DCFBC, a Low-Molecular-Weight Inhibitor of Prostate-Specific Membrane Antigen, in Patients with Metastatic Prostate Cancer. Journal of Nuclear Medicine, 2012, 53, 1883-1891. | 5.0 | 264 |
| 5 | A PET study of ¹⁸ F-FDG uptake in soft tissue masses. European Journal of Nuclear Medicine and Molecular Imaging, 1999, 26, 22-30. | 6.4 | 259 |
| 6 | Noise Considerations for PET Quantification Using Maximum and Peak Standardized Uptake Value. Journal of Nuclear Medicine, 2012, 53, 1041-1047. | 5.0 | 186 |
| 7 | ¹⁸ F-DCFBC PET/CT for PSMA-Based Detection and Characterization of Primary Prostate Cancer. Journal of Nuclear Medicine, 2015, 56, 1003-1010. | 5.0 | 180 |
| 8 | Effects of 5,6-Dimethylxanthenone-4-Acetic Acid on Human Tumor Microcirculation Assessed by Dynamic Contrast-Enhanced Magnetic Resonance Imaging. Journal of Clinical Oncology, 2002, 20, 3826-3840. | 1.6 | 150 |
| 9 | Dynamic whole-body PET imaging: principles, potentials and applications. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 501-518. | 6.4 | 145 |
| 10 | Repeatability of SUV in Oncologic ¹⁸ F-FDG PET. Journal of Nuclear Medicine, 2017, 58, 523-532. | 5.0 | 133 |
| 11 | Human Biodistribution and Radiation Dosimetry of ⁸² Rb. Journal of Nuclear Medicine, 2010, 51, 1592-1599. | 5.0 | 117 |
| 12 | Feasibility of state of the art PET/CT systems performance harmonisation. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 1344-1361. | 6.4 | 100 |
| 13 | Dynamic imaging in patients with tuberculosis reveals heterogeneous drug exposures in pulmonary lesions. Nature Medicine, 2020, 26, 529-534. | 30.7 | 87 |
| 14 | ¹²⁴ I PET-Based 3D-RD Dosimetry for a Pediatric Thyroid Cancer Patient: Real-Time Treatment Planning and Methodologic Comparison. Journal of Nuclear Medicine, 2009, 50, 1844-1847. | 5.0 | 80 |
| 15 | Radiation absorbed dose distribution in a patient treated with yttrium-90 microspheres for hepatocellular carcinoma. Medical Physics, 2004, 31, 2449-2453. | 3.0 | 79 |
| 16 | Combination of the histone deacetylase inhibitor vorinostat with bevacizumab in patients with clear-cell renal cell carcinoma: a multicentre, single-arm phase I/II clinical trial. British Journal of Cancer, 2017, 116, 874-883. | 6.4 | 78 |
| 17 | Noninvasive ¹¹ C-rifampin positron emission tomography reveals drug biodistribution in tuberculous meningitis. Science Translational Medicine, 2018, 10, . | 12.4 | 73 |
| 18 | Radiation Dosimetry of ⁸² Rb in Humans Under Pharmacologic Stress. Journal of Nuclear Medicine, 2011, 52, 485-491. | 5.0 | 68 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Differences in Skeletal Kinetics Between Vertebral and Humeral Bone Measured by 18F-Fluoride Positron Emission Tomography in Postmenopausal Women. <i>Journal of Bone and Mineral Research</i> , 2010, 15, 763-769. | 2.8 | 61 |
| 20 | Physical aspects of yttrium-90 microsphere therapy for nonresectable hepatic tumors. <i>Medical Physics</i> , 2003, 30, 199-203. | 3.0 | 59 |
| 21 | The QIBA Profile for FDG PET/CT as an Imaging Biomarker Measuring Response to Cancer Therapy. <i>Radiology</i> , 2020, 294, 647-657. | 7.3 | 49 |
| 22 | Cardiac PET/CT Misregistration Causes Significant Changes in Estimated Myocardial Blood Flow. <i>Journal of Nuclear Medicine</i> , 2013, 54, 50-54. | 5.0 | 43 |
| 23 | Timed sequential therapy of the selective T-type calcium channel blocker mibefradil and temozolomide in patients with recurrent high-grade gliomas. <i>Neuro-Oncology</i> , 2017, 19, 845-852. | 1.2 | 39 |
| 24 | Potential novel application of dual time point SUV measurements as a predictor of survival in head and neck cancer. <i>Nuclear Medicine Communications</i> , 2005, 26, 861-867. | 1.1 | 38 |
| 25 | The effect of regadenoson on the integrity of the human blood-brain barrier, a pilot study. <i>Journal of Neuro-Oncology</i> , 2017, 132, 513-519. | 2.9 | 38 |
| 26 | Semiquantitative Parameters in PSMA-Targeted PET Imaging with ¹⁸ F-DCFPyL: Variability in Normal-Organ Uptake. <i>Journal of Nuclear Medicine</i> , 2017, 58, 942-946. | 5.0 | 38 |
| 27 | Reproducibility of Tumor Blood Flow Quantification with ¹⁵ O-Water PET. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1620-1627. | 5.0 | 35 |
| 28 | Comparison of quantitative ⁹⁰ Y SPECT and non-time-of-flight PET imaging in post-therapy radioembolization of liver cancer. <i>Medical Physics</i> , 2016, 43, 5779-5790. | 3.0 | 32 |
| 29 | Optimization of Rb-82 PET acquisition and reconstruction protocols for myocardial perfusion defect detection. <i>Physics in Medicine and Biology</i> , 2009, 54, 3161-3171. | 3.0 | 31 |
| 30 | Comprehensive Radionuclide Esophagogastrointestinal Transit Study: Methodology, Reference Values, and Initial Clinical Experience. <i>Journal of Nuclear Medicine</i> , 2015, 56, 721-727. | 5.0 | 31 |
| 31 | Impact of PET/CT system, reconstruction protocol, data analysis method, and repositioning on PET/CT precision: An experimental evaluation using an oncology and brain phantom. <i>Medical Physics</i> , 2017, 44, 6413-6424. | 3.0 | 30 |
| 32 | Simultaneous measurement of noise and spatial resolution in PET phantom images. <i>Physics in Medicine and Biology</i> , 2010, 55, 1069-1081. | 3.0 | 28 |
| 33 | Dynamic Multi-Bed FDG PET imaging: Feasibility and optimization. , 2011, , . | | 28 |
| 34 | Repeatability of ¹⁸ F-FLT PET in a Multicenter Study of Patients with High-Grade Glioma. <i>Journal of Nuclear Medicine</i> , 2017, 58, 393-398. | 5.0 | 27 |
| 35 | Semiquantitative Parameters in PSMA-Targeted PET Imaging with [18F]DCFPyL: Impact of Tumor Burden on Normal Organ Uptake. <i>Molecular Imaging and Biology</i> , 2020, 22, 190-197. | 2.6 | 27 |
| 36 | A Practical, Automated Quality Assurance Method for Measuring Spatial Resolution in PET. <i>Journal of Nuclear Medicine</i> , 2009, 50, 1307-1314. | 5.0 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Developments in nuclear cardiology: transition from single photon emission computed tomography to positron emission tomography-computed tomography. <i>Journal of Invasive Cardiology</i> , 2005, 17, 491-6. | 0.4 | 26 |
| 38 | Effect of Patient Arm Motion in Whole-Body PET/CT. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1891-1897. | 5.0 | 23 |
| 39 | Liver Standardized Uptake Value Corrected for Lean Body Mass at FDG PET/CT. <i>Clinical Nuclear Medicine</i> , 2015, 40, e17-e22. | 1.3 | 22 |
| 40 | Biodistribution and Radiation Dosimetry of ¹²⁴ I-DPA-713, a PET Radiotracer for Macrophage-Associated Inflammation. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1751-1756. | 5.0 | 22 |
| 41 | Performance assessment of a NaI(Tl) gamma counter for PET applications with methods for improved quantitative accuracy and greater standardization. <i>EJNMMI Physics</i> , 2015, 2, . | 2.7 | 18 |
| 42 | Impact of acquisition time-window on clinical whole-body PET parametric imaging. , 2014, , . | | 16 |
| 43 | A comparison of FLT to FDG PET/CT in the early assessment of chemotherapy response in stages IB-III A resectable NSCLC. <i>EJNMMI Research</i> , 2017, 7, 8. | 2.5 | 16 |
| 44 | Measuring PET Spatial Resolution Using a Cylinder Phantom Positioned at an Oblique Angle. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1768-1775. | 5.0 | 16 |
| 45 | Dynamic PET-facilitated modeling and high-dose rifampin regimens for <i>Staphylococcus aureus</i> orthopedic implant-associated infections. <i>Science Translational Medicine</i> , 2021, 13, eabl6851. | 12.4 | 16 |
| 46 | Comparison of 2-dimensional and 3-dimensional acquisition for 18F-FDG PET oncology studies performed on an LSO-based scanner. <i>Journal of Nuclear Medicine</i> , 2006, 47, 23-31. | 5.0 | 15 |
| 47 | Simplifying volumes of interest (VOIs) definition in quantitative SPECT: Beyond manual definition of 3D whole-organ VOIs. <i>Medical Physics</i> , 2017, 44, 1707-1717. | 3.0 | 14 |
| 48 | Quantitative PET/CT in clinical practice. <i>Nuclear Medicine Communications</i> , 2018, 39, 154-160. | 1.1 | 14 |
| 49 | Semiquantitative Parameters in PSMA-Targeted PET Imaging with [18F]DCFPyL: Inpatient and Interpatient Variability of Normal Organ Uptake. <i>Molecular Imaging and Biology</i> , 2020, 22, 181-189. | 2.6 | 14 |
| 50 | Image-derived and arterial blood sampled input functions for quantitative PET imaging of the angiotensin II subtype 1 receptor in the kidney. <i>Medical Physics</i> , 2015, 42, 6736-6744. | 3.0 | 13 |
| 51 | Quantitative myocardial perfusion PET parametric imaging at the voxel-level. <i>Physics in Medicine and Biology</i> , 2015, 60, 6013-6037. | 3.0 | 13 |
| 52 | Impact of point spread function reconstruction on quantitative 18F-FDG-PET/CT imaging parameters and inter-reader reproducibility in solid tumors. <i>Nuclear Medicine Communications</i> , 2016, 37, 288-296. | 1.1 | 12 |
| 53 | Combined model-based and patient-specific dosimetry for 18F-DCFPyL, a PSMA-targeted PET agent. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 989-998. | 6.4 | 12 |
| 54 | Characterization of a Perirectal Artifact in ¹⁸ F-FDG PET/CT. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1501-1506. | 5.0 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Introducing time-of-flight and resolution recovery image reconstruction to clinical whole-body PET parametric imaging. , 2014, , . | | 11 |
| 56 | Human Radiation Dosimetry for Orally and Intravenously Administered ¹⁸ F-FDG. Journal of Nuclear Medicine, 2020, 61, 613-619. | 5.0 | 11 |
| 57 | ¹⁸ F-FDG PET of the hands with a dedicated high-resolution PEM system (arthro-PET): correlation with PET/CT, radiography and clinical parameters. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 2337-2345. | 6.4 | 10 |
| 58 | ACRâ€™ASNR Practice Parameter for Brain PET/CT Imaging Dementia. Clinical Nuclear Medicine, 2016, 41, 118-125. | 1.3 | 10 |
| 59 | Impact of Tumor Burden on Quantitative [⁶⁸ Ga] DOTATOC Biodistribution. Molecular Imaging and Biology, 2019, 21, 790-798. | 2.6 | 10 |
| 60 | Methodology for quantifying absolute myocardial perfusion with PET and SPECT. Current Cardiology Reports, 2007, 9, 121-128. | 2.9 | 9 |
| 61 | Resolution modeled PET image reconstruction incorporating space-variance of positron range: Rubidium-82 cardiac PET imaging. , 2008, , . | | 9 |
| 62 | Comparison of two software systems for quantification of myocardial blood flow in patients with hypertrophic cardiomyopathy. Journal of Nuclear Cardiology, 2019, 26, 1243-1253. | 2.1 | 8 |
| 63 | Repeatability of Radiotracer Uptake in Normal Abdominal Organs with ¹¹¹ In-Pentetreotide Quantitative SPECT/CT. Journal of Nuclear Medicine, 2015, 56, 985-988. | 5.0 | 7 |
| 64 | Measuring temporal stability of positron emission tomography standardized uptake value bias using long-lived sources in a multicenter network. Journal of Medical Imaging, 2018, 5, 1. | 1.5 | 7 |
| 65 | An Exocrine Pancreatic Stress Test with ¹¹ C-Acetate PET and Secretin Stimulation. Journal of Nuclear Medicine, 2014, 55, 1128-1131. | 5.0 | 6 |
| 66 | ACRâ€™SPRâ€™STR Practice Parameter for the Performance of Cardiac Positron Emission Tomography - Computed Tomography (PET/CT) Imaging. Clinical Nuclear Medicine, 2017, 42, 918-927. | 1.3 | 6 |
| 67 | Prospective Within-Patient Assessment of the Impact of an Unlabeled Octreotide Pre-dose on the Biodistribution and Tumor Uptake of ⁶⁸ Ga DOTATOC as Assessed by Dynamic Whole-body PET in Patients with Neuroendocrine Tumors: Implications for Diagnosis and Therapy. Molecular Imaging and Biology, 2021, 23, 766-774. | 2.6 | 6 |
| 68 | Effect of Point-Spread Function Reconstruction for Indeterminate PSMA-RADS-3A Lesions on PSMA-Targeted PET Imaging of Men with Prostate Cancer. Diagnostics, 2021, 11, 665. | 2.6 | 6 |
| 69 | High SUVs Have More Robust Repeatability in Patients with Metastatic Prostate Cancer: Results from a Prospective Test-Retest Cohort Imaged with ¹⁸ F-DCFPyL. Molecular Imaging, 2022, 2022, 7056983. | 1.4 | 6 |
| 70 | Generation and evaluation of a simultaneous cardiac and respiratory gated Rb-82 PET simulation. , 2011, 2011, 3327-3330. | | 5 |
| 71 | Quantitative whole-body parametric PET imaging incorporating a generalized Patlak model. , 2013, , . | | 5 |
| 72 | Imager-4D: New Software for Viewing Dynamic PET Scans and Extracting Radiomic Parameters from PET Data. Journal of Digital Imaging, 2019, 32, 1071-1080. | 2.9 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Enhanced whole-body PET parametric imaging using hybrid regression and thresholding driven by kinetic correlations. , 2012, , . | | 4 |
| 74 | Clinical evaluation of direct 4D whole-body PET parametric imaging with time-of-flight and resolution modeling capabilities. , 2015, , . | | 3 |
| 75 | The Unique Role of Fluorodeoxyglucose-PET in Radioembolization. PET Clinics, 2019, 14, 447-457. | 3.0 | 3 |
| 76 | Measurement of PET Quantitative Bias In Vivo. Journal of Nuclear Medicine, 2021, 62, 732-737. | 5.0 | 3 |
| 77 | Parametric myocardial perfusion PET imaging using physiological clustering. Proceedings of SPIE, 2014, , . | 0.8 | 2 |
| 78 | Phantom Preparation Using a Dilution Technique. Journal of Nuclear Medicine, 2021, 62, 303-303. | 5.0 | 1 |
| 79 | Letter to the Editor re: "Semi-quantitative Parameters in PSMA-Targeted PET Imaging with [18F]DCFPyL: Impact of Tumor Burden on Normal Organ Uptake" Molecular Imaging and Biology, 2020, 22, 19-21. | 2.6 | 0 |
| 80 | Quantitative Imaging in Oncologic PET. , 2021, , 1-100. | | 0 |