

# Martin A Lodge

## List of Publications by Year in descending order

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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  | High SUVs Have More Robust Repeatability in Patients with Metastatic Prostate Cancer: Results from a Prospective Test-Retest Cohort Imaged with <sup>18</sup> F-DCFPyL. <i>Molecular Imaging</i> , 2022, 2022, 7056983.   | 1.4  | 6         |
| 2  | Prospective Within-Patient Assessment of the Impact of an Unlabeled Octreotide Pre-dose on the Biodistribution and Tumor Uptake of <sup>68</sup> Ga DOTATOC as Assessed by Dynamic Whole-body PET in Patients with Neuroendocrine Tumors: Implications for Diagnosis and Therapy. <i>Molecular Imaging and Biology</i> , 2021, 23, 766-774. | 2.6  | 6         |
| 3  | Effect of Point-Spread Function Reconstruction for Indeterminate PSMA-RADS-3A Lesions on PSMA-Targeted PET Imaging of Men with Prostate Cancer. <i>Diagnostics</i> , 2021, 11, 665.   | 2.6  | 6         |
| 4  | Phantom Preparation Using a Dilution Technique. <i>Journal of Nuclear Medicine</i> , 2021, 62, 303-303.   | 5.0  | 1         |
| 5  | Measurement of PET Quantitative Bias In Vivo. <i>Journal of Nuclear Medicine</i> , 2021, 62, 732-737.   | 5.0  | 3         |
| 6  | Quantitative Imaging in Oncologic PET. , 2021, , 1-100.   |      | 0         |
| 7  | 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        |
| 8  | Semiquantitative Parameters in PSMA-Targeted PET Imaging with [ <sup>18</sup> F]DCFPyL: Inpatient and Interpatient Variability of Normal Organ Uptake. <i>Molecular Imaging and Biology</i> , 2020, 22, 181-189.  | 2.6  | 14        |
| 9  | Semiquantitative Parameters in PSMA-Targeted PET Imaging with [ <sup>18</sup> F]DCFPyL: Impact of Tumor Burden on Normal Organ Uptake. <i>Molecular Imaging and Biology</i> , 2020, 22, 190-197.  | 2.6  | 27        |
| 10 | Human Radiation Dosimetry for Orally and Intravenously Administered <sup>18</sup> F-FDG. <i>Journal of Nuclear Medicine</i> , 2020, 61, 613-619.  | 5.0  | 11        |
| 11 | 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        |
| 12 | Letter to the Editor re: "Semiquantitative Parameters in PSMA-Targeted PET Imaging with [ <sup>18</sup> F]DCFPyL: Impact of Tumor Burden on Normal Organ Uptake" <i>Molecular Imaging and Biology</i> , 2020, 22, 19-21.  | 2.6  | 0         |
| 13 | Dynamic imaging in patients with tuberculosis reveals heterogeneous drug exposures in pulmonary lesions. <i>Nature Medicine</i> , 2020, 26, 529-534.  | 30.7 | 87        |
| 14 | Imager-4D: New Software for Viewing Dynamic PET Scans and Extracting Radiomic Parameters from PET Data. <i>Journal of Digital Imaging</i> , 2019, 32, 1071-1080.  | 2.9  | 5         |
| 15 | The Unique Role of Fluorodeoxyglucose-PET in Radioembolization. <i>PET Clinics</i> , 2019, 14, 447-457.   | 3.0  | 3         |
| 16 | Impact of Tumor Burden on Quantitative [ <sup>68</sup> Ga] DOTATOC Biodistribution. <i>Molecular Imaging and Biology</i> , 2019, 21, 790-798.   | 2.6  | 10        |
| 17 | Dynamic whole-body PET imaging: principles, potentials and applications. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 501-518.   | 6.4  | 145       |
| 18 | Comparison of two software systems for quantification of myocardial blood flow in patients with hypertrophic cardiomyopathy. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 1243-1253.  | 2.1  | 8         |

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|----|--|------|-----------|
| 19 | Combined model-based and patient-specific dosimetry for <sup>18</sup> F-DCFPyL, a PSMA-targeted PET agent. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 989-998.  | 6.4  | 12        |
| 20 | 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       |
| 21 | Biodistribution and Radiation Dosimetry of <sup>124</sup> I-DPA-713, a PET Radiotracer for Macrophage-Associated Inflammation. Journal of Nuclear Medicine, 2018, 59, 1751-1756.   | 5.0  | 22        |
| 22 | Quantitative PET/CT in clinical practice. Nuclear Medicine Communications, 2018, 39, 154-160.  | 1.1  | 14        |
| 23 | Noninvasive <sup>11</sup> C-rifampin positron emission tomography reveals drug biodistribution in tuberculous meningitis. Science Translational Medicine, 2018, 10, .  | 12.4 | 73        |
| 24 | Measuring PET Spatial Resolution Using a Cylinder Phantom Positioned at an Oblique Angle. Journal of Nuclear Medicine, 2018, 59, 1768-1775.  | 5.0  | 16        |
| 25 | 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         |
| 26 | 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        |
| 27 | Simplifying volumes of interest (VOIs) definition in quantitative SPECT: Beyond manual definition of 3D whole-organ VOIs. Medical Physics, 2017, 44, 1707-1717.  | 3.0  | 14        |
| 28 | Repeatability of SUV in Oncologic <sup>18</sup> F-FDG PET. Journal of Nuclear Medicine, 2017, 58, 523-532.   | 5.0  | 133       |
| 29 | Timed sequential therapy of the selective T-type calcium channel blocker mibefradil and temozolomide in patients with recurrent high-grade gliomas. Neuro-Oncology, 2017, 19, 845-852.   | 1.2  | 39        |
| 30 | The effect of regadenoson on the integrity of the human blood-brain barrier, a pilot study. Journal of Neuro-Oncology, 2017, 132, 513-519.   | 2.9  | 38        |
| 31 | Semiquantitative Parameters in PSMA-Targeted PET Imaging with <sup>18</sup> F-DCFPyL: Variability in Normal-Organ Uptake. Journal of Nuclear Medicine, 2017, 58, 942-946.  | 5.0  | 38        |
| 32 | 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. Medical Physics, 2017, 44, 6413-6424.               | 3.0  | 30        |
| 33 | ACR-SPR-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         |
| 34 | A comparison of FLT to FDG PET/CT in the early assessment of chemotherapy response in stages IB-III A resectable NSCLC. EJNMMI Research, 2017, 7, 8.   | 2.5  | 16        |
| 35 | Repeatability of <sup>18</sup> F-FLT PET in a Multicenter Study of Patients with High-Grade Glioma. Journal of Nuclear Medicine, 2017, 58, 393-398.  | 5.0  | 27        |
| 36 | Comparison of quantitative <sup>90</sup> Y SPECT and non-time-of-flight PET imaging in post-therapy radioembolization of liver cancer. Medical Physics, 2016, 43, 5779-5790.   | 3.0  | 32        |

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|----|---|-----|-----------|
| 37 | Impact of point spread function reconstruction on quantitative 18F-FDG-PET/CT imaging parameters and inter-reader reproducibility in solid tumors. Nuclear Medicine Communications, 2016, 37, 288-296.                            | 1.1 | 12        |
| 38 | ACR-ASNR Practice Parameter for Brain PET/CT Imaging Dementia. Clinical Nuclear Medicine, 2016, 41, 118-125.  | 1.3 | 10        |
| 39 | Practical PERCIST: A Simplified Guide to PET Response Criteria in Solid Tumors 1.0. Radiology, 2016, 280, 576-584.  | 7.3 | 311       |
| 40 | Image-derived and arterial blood sampled input functions for quantitative PET imaging of the angiotensin II subtype 1 receptor in the kidney. Medical Physics, 2015, 42, 6736-6744.   | 3.0 | 13        |
| 41 | Clinical evaluation of direct 4D whole-body PET parametric imaging with time-of-flight and resolution modeling capabilities. , 2015, , .  |     | 3         |
| 42 | Quantitative myocardial perfusion PET parametric imaging at the voxel-level. Physics in Medicine and Biology, 2015, 60, 6013-6037.  | 3.0 | 13        |
| 43 | Performance assessment of a NaI(Tl) gamma counter for PET applications with methods for improved quantitative accuracy and greater standardization. EJNMMI Physics, 2015, 2, .  | 2.7 | 18        |
| 44 | Comprehensive Radionuclide Esophagogastrointestinal Transit Study: Methodology, Reference Values, and Initial Clinical Experience. Journal of Nuclear Medicine, 2015, 56, 721-727.  | 5.0 | 31        |
| 45 | Liver Standardized Uptake Value Corrected for Lean Body Mass at FDG PET/CT. Clinical Nuclear Medicine, 2015, 40, e17-e22.   | 1.3 | 22        |
| 46 | <sup>18</sup> 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       |
| 47 | Repeatability of Radiotracer Uptake in Normal Abdominal Organs with <sup>111</sup> In-Pentetreotide Quantitative SPECT/CT. Journal of Nuclear Medicine, 2015, 56, 985-988.  | 5.0 | 7         |
| 48 | 18F-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        |
| 49 | Parametric myocardial perfusion PET imaging using physiological clustering. Proceedings of SPIE, 2014, , .  | 0.8 | 2         |
| 50 | An Exocrine Pancreatic Stress Test with <sup>11</sup> C-Acetate PET and Secretin Stimulation. Journal of Nuclear Medicine, 2014, 55, 1128-1131.   | 5.0 | 6         |
| 51 | Impact of acquisition time-window on clinical whole-body PET parametric imaging. , 2014, , .  |     | 16        |
| 52 | Introducing time-of-flight and resolution recovery image reconstruction to clinical whole-body PET parametric imaging. , 2014, , .  |     | 11        |
| 53 | Cardiac PET/CT Misregistration Causes Significant Changes in Estimated Myocardial Blood Flow. Journal of Nuclear Medicine, 2013, 54, 50-54.   | 5.0 | 43        |
| 54 | Quantitative whole-body parametric PET imaging incorporating a generalized Patlak model. , 2013, , .  |     | 5         |

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|----|--|-----|-----------|
| 55 | Biodistribution, Tumor Detection, and Radiation Dosimetry of <sup>18</sup> F-DCFBC, a Low-Molecular-Weight Inhibitor of Prostate-Specific Membrane Antigen, in Patients with Metastatic Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1883-1891. | 5.0 | 264       |
| 56 | Enhanced whole-body PET parametric imaging using hybrid regression and thresholding driven by kinetic correlations. , 2012, , .  |     | 4         |
| 57 | Noise Considerations for PET Quantification Using Maximum and Peak Standardized Uptake Value. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1041-1047.  | 5.0 | 186       |
| 58 | Radiation Dosimetry of <sup>82</sup> Rb in Humans Under Pharmacologic Stress. <i>Journal of Nuclear Medicine</i> , 2011, 52, 485-491.  | 5.0 | 68        |
| 59 | Dynamic Multi-Bed FDG PET imaging: Feasibility and optimization. , 2011, , .   |     | 28        |
| 60 | Generation and evaluation of a simultaneous cardiac and respiratory gated Rb-82 PET simulation. , 2011, 2011, 3327-3330.   |     | 5         |
| 61 | Effect of Patient Arm Motion in Whole-Body PET/CT. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1891-1897.   | 5.0 | 23        |
| 62 | Differences in Skeletal Kinetics Between Vertebral and Humeral Bone Measured by <sup>18</sup> F-Fluoride Positron Emission Tomography in Postmenopausal Women. <i>Journal of Bone and Mineral Research</i> , 2010, 15, 763-769.                                    | 2.8 | 61        |
| 63 | Characterization of a Perirectal Artifact in <sup>18</sup> F-FDG PET/CT. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1501-1506.   | 5.0 | 11        |
| 64 | Human Biodistribution and Radiation Dosimetry of <sup>82</sup> Rb. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1592-1599.   | 5.0 | 117       |
| 65 | 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        |
| 66 | 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        |
| 67 | <sup>124</sup> I PET-Based 3D-RD Dosimetry for a Pediatric Thyroid Cancer Patient: Real-Time Treatment Planning and Methodologic Comparison. <i>Journal of Nuclear Medicine</i> , 2009, 50, 1844-1847.   | 5.0 | 80        |
| 68 | From RECIST to PERCIST: Evolving Considerations for PET Response Criteria in Solid Tumors. <i>Journal of Nuclear Medicine</i> , 2009, 50, 122S-150S.   | 5.0 | 3,047     |
| 69 | 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        |
| 70 | Reproducibility of Tumor Blood Flow Quantification with <sup>15</sup> O-Water PET. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1620-1627.   | 5.0 | 35        |
| 71 | Resolution modeled PET image reconstruction incorporating space-variance of positron range: Rubidium-82 cardiac PET imaging. , 2008, , .   |     | 9         |
| 72 | Methodology for quantifying absolute myocardial perfusion with PET and SPECT. <i>Current Cardiology Reports</i> , 2007, 9, 121-128.  | 2.9 | 9         |

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|----|--|-----|-----------|
| 73 | 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        |
| 74 | 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        |
| 75 | 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        |
| 76 | Radiation absorbed dose distribution in a patient treated with yttrium-90 microspheres for hepatocellular carcinoma. <i>Medical Physics</i> , 2004, 31, 2449-2453.   | 3.0 | 79        |
| 77 | Physical aspects of yttrium-90 microsphere therapy for nonresectable hepatic tumors. <i>Medical Physics</i> , 2003, 30, 199-203.   | 3.0 | 59        |
| 78 | Combretastatin A4 Phosphate Has Tumor Antivascular Activity in Rat and Man as Demonstrated by Dynamic Magnetic Resonance Imaging. <i>Journal of Clinical Oncology</i> , 2003, 21, 2831-2842.                 | 1.6 | 328       |
| 79 | Effects of 5,6-Dimethylxanthenone-4-Acetic Acid on Human Tumor Microcirculation Assessed by Dynamic Contrast-Enhanced Magnetic Resonance Imaging. <i>Journal of Clinical Oncology</i> , 2002, 20, 3826-3840. | 1.6 | 150       |
| 80 | A PET study of 18 FDG uptake in soft tissue masses. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1999, 26, 22-30.   | 6.4 | 259       |