

Ole L Munk

List of Publications by Year in descending order

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85
papers

2,640
citations

172457

29
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206112

48
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89
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89
docs citations

89
times ranked

3330
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Validation and optimisation of an automatic blood sampler for preclinical positron emission tomography research in domestic pigs. <i>Laboratory Animals</i> , 2022, 56, 287-291. | 1.0 | 1 |
| 2 | The pathophysiology of Wilson's disease visualized: A human ⁶⁴ Cu PET study. <i>Hepatology</i> , 2022, 75, 1461-1470. | 7.3 | 15 |
| 3 | Normal values for ¹⁸ F-FDG uptake in organs and tissues measured by dynamic whole body multiparametric FDG PET in 126 patients. <i>EJNMMI Research</i> , 2022, 12, 15. | 2.5 | 17 |
| 4 | Clinical feasibility and impact of data-driven respiratory motion compensation studied in 200 whole-body ¹⁸ F-FDG PET/CT scans. <i>EJNMMI Research</i> , 2022, 12, 16. | 2.5 | 6 |
| 5 | In vivo vesicular acetylcholine transporter density in human peripheral organs: an [¹⁸ F]FEOBV PET/CT study. <i>EJNMMI Research</i> , 2022, 12, 17. | 2.5 | 6 |
| 6 | Obeticholic acid improves hepatic bile acid excretion in patients with primary biliary cholangitis. <i>Journal of Hepatology</i> , 2021, 74, 58-65. | 3.7 | 54 |
| 7 | NMDA receptor ion channel activation detected in vivo with [¹⁸ F]GE-179 PET after electrical stimulation of rat hippocampus. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1301-1312. | 4.3 | 12 |
| 8 | Clinical feasibility and impact of fully automated multiparametric PET imaging using direct Patlak reconstruction: evaluation of 103 dynamic whole-body ¹⁸ F-FDG PET/CT scans. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 837-850. | 6.4 | 34 |
| 9 | Hepatic bile acid transport increases in the postprandial state: A functional ¹¹ C-CSar PET/CT study in healthy humans. <i>JHEP Reports</i> , 2021, 3, 100288. | 4.9 | 3 |
| 10 | The Holocene dynamics of Ryder Glacier and ice tongue in north Greenland. <i>Cryosphere</i> , 2021, 15, 4073-4097. | 3.9 | 11 |
| 11 | Reply to: "Hepatic bile acid transport increases in the postprandial state: A functional ¹¹ C-CSar PET/CT study in healthy humans" <i>JHEP Reports</i> , 2021, 3, 100383. | 4.9 | 0 |
| 12 | Successful Prediction of Positron Emission Tomography-Imaged Metformin Hepatic Uptake Clearance in Humans Using the Quantitative Proteomics-Informed Relative Expression Factor Approach. <i>Drug Metabolism and Disposition</i> , 2020, 48, 1210-1216. | 3.3 | 15 |
| 13 | Brain-first versus body-first Parkinson's disease: a multimodal imaging case-control study. <i>Brain</i> , 2020, 143, 3077-3088. | 7.6 | 398 |
| 14 | Activation of NMDA receptor ion channels by deep brain stimulation in the pig visualised with [¹⁸ F]GE-179 PET. <i>Brain Stimulation</i> , 2020, 13, 1071-1078. | 1.6 | 11 |
| 15 | Metformin is distributed to tumor tissue in breast cancer patients in vivo: A ¹¹ C-metformin PET/CT study. <i>Breast Cancer Research and Treatment</i> , 2020, 181, 107-113. | 2.5 | 3 |
| 16 | Intravenous and oral copper kinetics, biodistribution and dosimetry in healthy humans studied by [⁶⁴ Cu]copper PET/CT. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2020, 5, 15. | 3.9 | 21 |
| 17 | Human biodistribution, dosimetry, radiosynthesis and quality control of the bile acid PET tracer [N-methyl- ¹¹ C]cholylsarcosine. <i>Nuclear Medicine and Biology</i> , 2019, 72-73, 55-61. | 0.6 | 6 |
| 18 | Hepatic exposure of metformin in patients with non-alcoholic fatty liver disease. <i>British Journal of Clinical Pharmacology</i> , 2019, 85, 1761-1770. | 2.4 | 19 |

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|----|--|-----|-----------|
| 19 | Prognostic modeling for patients with colorectal liver metastases incorporating FDG PET radiomic features. <i>European Journal of Radiology</i> , 2019, 113, 101-109. | 2.6 | 42 |
| 20 | Cerebral blood flow measured by positron emission tomography during normothermic cardiopulmonary bypass: an experimental porcine study. <i>Perfusion (United Kingdom)</i> , 2018, 33, 346-353. | 1.0 | 2 |
| 21 | Metformin does not affect postabsorptive hepatic free fatty acid uptake, oxidation or resecretion in humans: A 3â€month placeboâ€controlled clinical trial in patients with type 2 diabetes and healthy controls. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1435-1444. | 4.4 | 18 |
| 22 | Prevalence of skull pathologies in European harbor seals (<i>Phoca vitulina</i>) during 1981â€“2014. <i>Mammal Research</i> , 2018, 63, 55-63. | 1.3 | 5 |
| 23 | A microvascular compartment model validated using 11C-methylglucose liver PET in pigs. <i>Physics in Medicine and Biology</i> , 2018, 63, 015032. | 3.0 | 4 |
| 24 | Monitoring variables affecting positron emission tomography measurements of cerebral blood flow in anaesthetized pigs. <i>Acta Veterinaria Scandinavica</i> , 2018, 60, 17. | 1.6 | 2 |
| 25 | Quantitative PET of liver functions. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 8, 73-85. | 1.0 | 6 |
| 26 | FDG-PET reproducibility in tumor-bearing mice: comparing a traditional SUV approach with a tumor-to-brain tissue ratio approach. <i>Acta OncolÃ³gica</i> , 2017, 56, 706-712. | 1.8 | 6 |
| 27 | Hepatobiliary transport kinetics of the conjugated bile acid tracer 11C-CSar quantified in healthy humans and patients by positron emission tomography. <i>Journal of Hepatology</i> , 2017, 67, 321-327. | 3.7 | 40 |
| 28 | Muscle Tissue Saturation Compared With Muscle Tissue Perfusion During Low Blood Flows: An Experimental Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 2065-2071. | 1.3 | 3 |
| 29 | The potential of hyperpolarized ¹³ C magnetic resonance spectroscopy to monitor the effect of combretastatin based vascular disrupting agents. <i>Acta OncolÃ³gica</i> , 2017, 56, 1626-1633. | 1.8 | 9 |
| 30 | Hypoxia positron emission tomography imaging: combining information on perfusion and tracer retention to improve hypoxia specificity. <i>Acta OncolÃ³gica</i> , 2017, 56, 1583-1590. | 1.8 | 5 |
| 31 | Magnetic resonance imaging and computed tomography as tools for the investigation of sperm whale (<i>Physeter macrocephalus</i>) teeth and eye. <i>Acta Veterinaria Scandinavica</i> , 2017, 59, 38. | 1.6 | 4 |
| 32 | Whole-Body Biodistribution, Dosimetry, and Metabolite Correction of [¹¹ C]Palmitate: A PET Tracer for Imaging of Fatty Acid Metabolism. <i>Molecular Imaging</i> , 2017, 16, 153601211773448. | 1.4 | 23 |
| 33 | Metabolic liver function in humans measured by 2-18F-fluoro-2-deoxy-D-galactose PET/CTâ€™ reproducibility and clinical potential. <i>EJNMMI Research</i> , 2017, 7, 71. | 2.5 | 12 |
| 34 | Renal PET-imaging with 11C-metformin in a transgenic mouse model for chronic kidney disease. <i>EJNMMI Research</i> , 2016, 6, 54. | 2.5 | 5 |
| 35 | Hepatobiliary Secretion Kinetics of Conjugated Bile Acids Measured in Pigs by ¹¹ C-Cholylsarcosine PET. <i>Journal of Nuclear Medicine</i> , 2016, 57, 961-966. | 5.0 | 25 |
| 36 | Radiosynthesis of <i>N</i> - ¹¹ C-Methyl-Taurineâ€™ Conjugated Bile Acids and Biodistribution Studies in Pigs by PET/CT. <i>Journal of Nuclear Medicine</i> , 2016, 57, 628-633. | 5.0 | 18 |

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|----|---|-----|-----------|
| 37 | In Vivo Imaging of Human ¹¹ C-Metformin in Peripheral Organs: Dosimetry, Biodistribution, and Kinetic Analyses. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1920-1926. | 5.0 | 106 |
| 38 | 2-[¹⁸ F]fluoro-2-deoxy-D-galactose PET/CT of hepatocellular carcinoma is not improved by co-administration of galactose. <i>Nuclear Medicine and Biology</i> , 2016, 43, 577-580. | 0.6 | 2 |
| 39 | A PET Tracer for Renal Organic Cation Transporters, ¹¹ C-Metformin: Radiosynthesis and Preclinical Proof-of-Concept Studies. <i>Journal of Nuclear Medicine</i> , 2016, 57, 615-621. | 5.0 | 20 |
| 40 | [¹¹ C]-Labeled Metformin Distribution in the Liver and Small Intestine Using Dynamic Positron Emission Tomography in Mice Demonstrates Tissue-Specific Transporter Dependency. <i>Diabetes</i> , 2016, 65, 1724-1730. | 0.6 | 69 |
| 41 | Metabolic liver function measured in vivo by dynamic ¹⁸ F-FDG PET/CT without arterial blood sampling. <i>EJNMMI Research</i> , 2015, 5, 32. | 2.5 | 13 |
| 42 | Imaging acetylcholinesterase density in peripheral organs in Parkinson's disease with ¹¹ C-donepezil PET. <i>Brain</i> , 2015, 138, 653-663. | 7.6 | 135 |
| 43 | Mapping α_2 Adrenoceptors of the Human Brain with ¹¹ C-Yohimbine. <i>Journal of Nuclear Medicine</i> , 2015, 56, 392-398. | 5.0 | 31 |
| 44 | In Vivo Imaging of Human Acetylcholinesterase Density in Peripheral Organs Using ¹¹ C- <i>Donepezil</i> : Dosimetry, Biodistribution, and Kinetic Analyses. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1818-1824. | 5.0 | 40 |
| 45 | Hepatic encephalopathy is associated with decreased cerebral oxygen metabolism and blood flow, not increased ammonia uptake. <i>Hepatology</i> , 2013, 57, 258-265. | 7.3 | 63 |
| 46 | Reply. <i>Hepatology</i> , 2013, 58, 833-834. | 7.3 | 1 |
| 47 | [¹¹ C]-Methyl- ¹¹ C]Cholylsarcosine, a Novel Bile Acid Tracer for PET/CT of Hepatic Excretory Function: Radiosynthesis and Proof-of-Concept Studies in Pigs. <i>Journal of Nuclear Medicine</i> , 2012, 53, 772-778. | 5.0 | 38 |
| 48 | Hepatic Blood Perfusion Estimated by Dynamic Contrast-Enhanced Computed Tomography in Pigs. <i>Investigative Radiology</i> , 2012, 47, 588-595. | 6.2 | 9 |
| 49 | Glucose metabolism in small subcortical structures in Parkinson's disease. <i>Acta Neurologica Scandinavica</i> , 2012, 125, 303-310. | 2.1 | 36 |
| 50 | Model-independent plot of dynamic PET data facilitates data interpretation and model selection. <i>Journal of Theoretical Biology</i> , 2012, 295, 1-8. | 1.7 | 1 |
| 51 | The use of PET/CT scanning technique for 3D visualization and quantification of real-time soil/plant interactions. <i>Plant and Soil</i> , 2012, 352, 113-127. | 3.7 | 83 |
| 52 | PET kinetics of radiolabeled antidepressant, [N-methyl- ¹¹ C]mirtazapine, in the human brain. <i>EJNMMI Research</i> , 2011, 1, 36. | 2.5 | 2 |
| 53 | Tracer input for kinetic modelling of liver physiology determined without sampling portal venous blood in pigs. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 263-270. | 6.4 | 21 |
| 54 | Analogue tracers and lumped constant in capillary beds. <i>Journal of Theoretical Biology</i> , 2011, 285, 177-181. | 1.7 | 6 |

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|----|---|-----|-----------|
| 55 | Hepatic Blood Perfusion Measured by 3-Minute Dynamic ¹⁸ F-FDG PET in Pigs. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1119-1124. | 5.0 | 17 |
| 56 | Branched-chain amino acids increase arterial blood ammonia in spite of enhanced intrinsic muscle ammonia metabolism in patients with cirrhosis and healthy subjects. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, G269-G277. | 3.4 | 49 |
| 57 | Human ¹³ N-ammonia PET studies: the importance of measuring ¹³ N-ammonia metabolites in blood. <i>Metabolic Brain Disease</i> , 2010, 25, 49-56. | 2.9 | 27 |
| 58 | Assessing hypoxia in animal tumor models based on pharmacokinetic analysis of dynamic FAZA PET. <i>Acta Oncologica</i> , 2010, 49, 922-933. | 1.8 | 35 |
| 59 | Identifying hypoxia in human tumors: A correlation study between ¹⁸ F-FMISO PET and the Eppendorf oxygen-sensitive electrode. <i>Acta Oncologica</i> , 2010, 49, 934-940. | 1.8 | 74 |
| 60 | Backflux of ammonia from brain to blood in human subjects with and without hepatic encephalopathy. <i>Metabolic Brain Disease</i> , 2009, 24, 237-242. | 2.9 | 21 |
| 61 | Benefits and risks of transforming data from dynamic positron emission tomography, with an application to hepatic encephalopathy. <i>Journal of Theoretical Biology</i> , 2009, 256, 632-636. | 1.7 | 1 |
| 62 | Hepatic ethanol elimination kinetics in patients with cirrhosis. <i>Scandinavian Journal of Gastroenterology</i> , 2009, 44, 867-871. | 1.5 | 11 |
| 63 | A method to estimate dispersion in sampling catheters and to calculate dispersion-free blood time-activity curves. <i>Medical Physics</i> , 2008, 35, 3471-3481. | 3.0 | 28 |
| 64 | ISSLS Prize Winner: Positron Emission Tomography and Magnetic Resonance Imaging for Monitoring Interbody Fusion With Equine Bone Protein Extract, Recombinant Human Bone Morphogenetic Protein-2, and Autograft. <i>Spine</i> , 2008, 33, 2683-2690. | 2.0 | 16 |
| 65 | Hepatic uptake and metabolism of galactose can be quantified in vivo by 2- ¹⁸ F-fluoro-2-deoxygalactose positron emission tomography. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, G27-G36. | 3.4 | 33 |
| 66 | Mapping the amphetamine-evoked changes in [¹¹ C]raclopride binding in living rat using small animal PET: Modulation by MAO-inhibition. <i>NeuroImage</i> , 2007, 35, 38-46. | 4.2 | 34 |
| 67 | Effect of age on markers for monoaminergic neurons of normal and MPTP-lesioned rhesus monkeys: A multi-tracer PET study. <i>NeuroImage</i> , 2006, 30, 26-35. | 4.2 | 50 |
| 68 | Individual radiation response of parotid glands investigated by dynamic ¹¹ C-methionine PET. <i>Radiotherapy and Oncology</i> , 2006, 78, 262-269. | 0.6 | 33 |
| 69 | PET neuroimaging of [¹¹ C]mirtazapine enantiomers in pigs. <i>European Neuropsychopharmacology</i> , 2006, 16, 350-357. | 0.7 | 10 |
| 70 | Distribution of PK11195 binding sites in porcine brain studied by autoradiography in vitro and by positron emission tomography. <i>Synapse</i> , 2006, 59, 418-426. | 1.2 | 18 |
| 71 | Inhibition of [¹¹ C]mirtazapine binding by α -2-adrenoceptor antagonists studied by positron emission tomography in living porcine brain. <i>Synapse</i> , 2006, 59, 463-471. | 1.2 | 21 |
| 72 | Peripheral benzodiazepine receptors in the brain of cirrhosis patients with manifest hepatic encephalopathy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006, 33, 810-816. | 6.4 | 31 |

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|----|--|-----|-----------|
| 73 | Brain metabolism of ^{13}N -ammonia during acute hepatic encephalopathy in cirrhosis measured by positron emission tomography. <i>Hepatology</i> , 2006, 43, 42-50. | 7.3 | 111 |
| 74 | Dynamic FDG-PET is useful for detection of cholangiocarcinoma in patients with PSC listed for liver transplantation. <i>Hepatology</i> , 2006, 44, 1572-1580. | 7.3 | 87 |
| 75 | Effect of intratumoral heterogeneity in oxygenation status on FMISO PET, autoradiography, and electrode Po_2 measurements in murine tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 62, 854-861. | 0.8 | 56 |
| 76 | Hepatic microcirculation assessed by positron emission tomography of first-pass ammonia metabolism in porcine liver. <i>Liver International</i> , 2005, 25, 171-176. | 3.9 | 9 |
| 77 | MDMA-evoked changes in [^{11}C]raclopride and [^{11}C]NMSP binding in living pig brain. <i>Synapse</i> , 2004, 53, 222-233. | 1.2 | 36 |
| 78 | ^{11}C -methionine PET, a novel method for measuring regional salivary gland function after radiotherapy of head and neck cancer. <i>Radiotherapy and Oncology</i> , 2004, 73, 289-296. | 0.6 | 34 |
| 79 | Capillaries within compartments: microvascular interpretation of dynamic positron emission tomography data. <i>Journal of Theoretical Biology</i> , 2003, 225, 127-141. | 1.7 | 17 |
| 80 | Subchronic Haloperidol Downregulates Dopamine Synthesis Capacity in the Brain of Schizophrenic Patients In Vivo. <i>Neuropsychopharmacology</i> , 2003, 28, 787-794. | 5.4 | 105 |
| 81 | Impulse-response function of splanchnic circulation with model-independent constraints: theory and experimental validation. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, G671-G680. | 3.4 | 24 |
| 82 | Determination of regional flow by use of intravascular PET tracers: microvascular theory and experimental validation for pig livers. <i>Journal of Nuclear Medicine</i> , 2003, 44, 1862-70. | 5.0 | 17 |
| 83 | Kinetics of the metabolism of four PET radioligands in living minipigs. <i>Nuclear Medicine and Biology</i> , 2001, 28, 97-104. | 0.6 | 43 |
| 84 | Loss of metabolites from monkey striatum during PET with FDOPA. <i>Synapse</i> , 2001, 41, 212-218. | 1.2 | 22 |
| 85 | Dynamic 2- [^{18}F]fluoro-2-deoxy- d -glucose positron emission tomography of liver tumours without blood sampling. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2000, 27, 407-412. | 6.4 | 32 |