Floris H P Van Velden

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8550143/publications.pdf

Version: 2024-02-01

49 papers	3,253 citations	361413 20 h-index	233421 45 g-index
52 all docs	52 docs citations	52 times ranked	4559 citing authors

#	Article	IF	Citations
1	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. Radiology, 2020, 295, 328-338.	7.3	1,869
2	Repeatability of Radiomic Features in Non-Small-Cell Lung Cancer [18F]FDG-PET/CT Studies: Impact of Reconstruction and Delineation. Molecular Imaging and Biology, 2016, 18, 788-795.	2.6	214
3	Evaluation of a cumulative SUV-volume histogram method for parameterizing heterogeneous intratumoural FDG uptake in non-small cell lung cancer PET studies. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 1636-1647.	6.4	163
4	Repeatability of Metabolically Active Volume Measurements with¹⁸F-FDG and¹⁸F-FLT PET in Nonâ€“Small Cell Lung Cancer. Journal of Nuclear Medicine, 2010, 51, 1870-1877.	5.0	98
5	Repeatability of Metabolically Active Tumor Volume Measurements with FDG PET/CT in Advanced Gastrointestinal Malignancies: A Multicenter Study. Radiology, 2014, 273, 539-548.	7.3	82
6	Effects of Image Characteristics on Performance of Tumor Delineation Methods: A Testâ€“Retest Assessment. Journal of Nuclear Medicine, 2011, 52, 1550-1558.	5.0	60
7	HRRT Versus HR+ Human Brain PET Studies: An Interscanner Testâ€“Retest Study. Journal of Nuclear Medicine, 2009, 50, 693-702.	5.0	59
8	Assessment of tumour size in PET/CT lung cancer studies: PET- and CT-based methods compared to pathology. EJNMMI Research, 2012, 2, 56.	2.5	57
9	Experimental Multicenter and Multivendor Evaluation of the Performance of PET Radiomic Features Using 3-Dimensionally Printed Phantom Inserts. Journal of Nuclear Medicine, 2020, 61, 469-476.	5.0	54
10	Outcome prediction of head and neck squamous cell carcinoma by MRI radiomic signatures. European Radiology, 2020, 30, 6311-6321.	4.5	49
11	Towards standardization of absolute SPECT/CT quantification: a multi-center and multi-vendor phantom study. EJNMMI Physics, 2019, 6, 29.	2.7	47
12	The impact of using BARCIST 1.0 criteria on quantification of BAT volume and activity in three independent cohorts of adults. Scientific Reports, 2018, 8, 8567.	3.3	42
13	Accuracy of 3-Dimensional Reconstruction Algorithms for the High-Resolution Research Tomograph. Journal of Nuclear Medicine, 2009, 50, 72-80.	5.0	40
14	Image derived input functions for dynamic High Resolution Research Tomograph PET brain studies. NeuroImage, 2008, 43, 676-686.	4.2	37
15	Variability in lutetium-177 SPECT quantification between different state-of-the-art SPECT/CT systems. EJNMMI Physics, 2020, 7, 9.	2.7	29
16	In vivo Validation of Reconstruction-Based Resolution Recovery for Human Brain Studies. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 381-389.	4.3	28
17	Experimental validation of absolute SPECT/CT quantification for response monitoring in breast cancer. Medical Physics, 2018, 45, 2143-2153.	3.0	25
18	Gap Filling Strategies for 3-D-FBP Reconstructions of High-Resolution Research Tomograph Scans. IEEE Transactions on Medical Imaging, 2008, 27, 934-942.	8.9	24

#	Article	IF	Citations
19	Twelve weeks of exenatide treatment increases [18F]fluorodeoxyglucose uptake by brown adipose tissue without affecting oxidative resting energy expenditure in nondiabetic males. Metabolism: Clinical and Experimental, 2020, 106, 154167.	3.4	23
20	Radiomics in Vulvar Cancer: First Clinical Experience Using ¹⁸F-FDG PET/CT Images. Journal of Nuclear Medicine, 2019, 60, 199-206.	5.0	22
21	Test-Retest Variability of Various Quantitative Measures to Characterize Tracer Uptake and/or Tracer Uptake Heterogeneity in Metastasized Liver for Patients with Colorectal Carcinoma. Molecular Imaging and Biology, 2014, 16, 13-18.	2.6	21
22	The organizational and clinical impact of integrating bedside equipment to an information system: A systematic literature review of patient data management systems (PDMS). International Journal of Medical Informatics, 2015, 84, 155-165.	3.3	21
23	Effect of sitagliptin on energy metabolism and brown adipose tissue in overweight individuals with prediabetes: a randomised placebo-controlled trial. Diabetologia, 2018, 61, 2386-2397.	6.3	19
24	Quantitative classification and radiomics of [18F]FDG-PET/CT in indeterminate thyroid nodules. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 2174-2188.	6.4	19
25	Striatal dopamine synthesis capacity in autism spectrum disorder and its relation with social defeat: an [18F]-FDOPA PET/CT study. Translational Psychiatry, 2021, 11, 47.	4.8	16
26	SMART (SiMulAtion and ReconsTruction) PET: an efficient PET simulation-reconstruction tool. EJNMMI Physics, 2018, 5, 16.	2.7	14
27	Effects of rigid and non-rigid image registration on test-retest variability of quantitative [18F]FDG PET/CT studies. EJNMMI Research, 2012, 2, 10.	2.5	13
28	Comparison of HRRT and HR+ Scanners for Quantitative (R)-[11C]verapamil, [11C]raclopride and [11C]flumazenil Brain Studies. Molecular Imaging and Biology, 2015, 17, 129-139.	2.6	13
29	Multiparametric Analysis of the Relationship Between Tumor Hypoxia and Perfusion with ¹⁸F-Fluoroazomycin Arabinoside and ¹⁵O-H₂O PET. Journal of Nuclear Medicine, 2016, 57, 530-535.	5.0	13
30	Parametric Methods for Quantification of 18F-FAZA Kinetics in Nonâ€“Small Cell Lung Cancer Patients. Journal of Nuclear Medicine, 2014, 55, 1772-1777.	5.0	12
31	Adding the temporal domain to PET radiomic features. PLoS ONE, 2020, 15, e0239438.	2.5	12
32	An international multi-center investigation on the accuracy of radionuclide calibrators in nuclear medicine theragnostics. EJNMMI Physics, 2020, 7, 69.	2.7	10
33	The Influence of the Exclusion of Central Necrosis on [18F]FDG PET Radiomic Analysis. Diagnostics, 2021, 11, 1296.	2.6	6
34	Cerebral [18F]-FDOPA Uptake in Autism Spectrum Disorder and Its Association with Autistic Traits. Diagnostics, 2021, 11, 2404.	2.6	6
35	Added Value of Respiratory Gating in Positron Emission Tomography for the Clinical Management of Lung Cancer Patients. Seminars in Nuclear Medicine, 2022, 52, 745-758.	4.6	6
36	Influence of Outside Field of View Activity on the Quality of High Resolution Research Tomograph (HRRT) Brain studies. , 2006, , .		4

#	Article	IF	Citations
37	Evaluation of FDG-PET/CT Use in Children with Suspected Infection or Inflammation. Diagnostics, 2020, 10, 715.	2.6	4
38	The Value of 18F-FDG-PET-CT Imaging in Treatment Evaluation of Colorectal Liver Metastases: A Systematic Review. Diagnostics, 2022, 12, 715.	2.6	4
39	Study Protocol: Adjuvant Holmium-166 Radioembolization After Radiofrequency Ablation in Early-Stage Hepatocellular Carcinoma Patientsâ€"A Dose-Finding Study (HORA EST HCC Trial). CardioVascular and Interventional Radiology, 2022, 45, 1057-1063.	2.0	4
40	Impact of New Scatter Correction Strategies on High-Resolution Research Tomograph Brain PET Studies. Molecular Imaging and Biology, 2016, 18, 627-635.	2.6	3
41	Prognostic Value of Quantitative [18F]FDG-PET Features in Patients with Metastases from Soft Tissue Sarcoma. Diagnostics, 2021, 11, 2271.	2.6	3
42	Effects of Reusing Baseline Volumes of Interest by Applying (Non-)Rigid Image Registration on Positron Emission Tomography Response Assessments. PLoS ONE, 2014, 9, e87167.	2.5	2
43	Experimental validation of absolute SPECT/CT quantification for response monitoring in patients with coronary artery disease. EJNMMI Physics, 2021, 8, 48.	2.7	2
44	Design and evaluation of a modular multimodality imaging phantom to simulate heterogeneous uptake and enhancement patterns for radiomic quantification in hybrid imaging: A feasibility study. Medical Physics, 2022, 49, 3093-3106.	3.0	2
45	Radioiodine in Differentiated Thyroid Carcinoma: Do We Need Diagnostic Pre-Ablation Iodine-123 Scintigraphy to Optimize Treatment?. Diagnostics, 2021, 11, 553.	2.6	1
46	Adding the temporal domain to PET radiomic features. , 2020, 15, e0239438.		0
47	Adding the temporal domain to PET radiomic features. , 2020, 15, e0239438.		0
48	Adding the temporal domain to PET radiomic features. , 2020, 15, e0239438.		0
49	Adding the temporal domain to PET radiomic features. , 2020, 15, e0239438.		0