Richard Laforest

List of Publications by Year
in descending order

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47 papers	3,318 citations	304743 22 h-index	276875 41 g-index
50 all docs	50 docs citations	50 times ranked	4540 citing authors

#	Article	IF	Citations
1	A tissueâ€fraction estimationâ€based segmentation method for quantitative dopamine transporter SPECT. Medical Physics, 2022, 49, 5121-5137.	3.0	5
2	Myocardial glucose and fatty acid metabolism is altered and associated with lower cardiac function in young adults with Barth syndrome. Journal of Nuclear Cardiology, 2021, 28, 1649-1659.	2.1	21
3	Performance comparison of a dedicated total breast PET system with a clinical whole-body PET system: a simulation study. Physics in Medicine and Biology, 2021, 66, 115004.	3.0	5
4	A Bayesian approach to tissue-fraction estimation for oncological PET segmentation. Physics in Medicine and Biology, 2021, 66, 124002.	3.0	14
5	Subcutaneous Adipose Tissue Metabolic Function and Insulin Sensitivity in People With Obesity. Diabetes, 2021, 70, 2225-2236.	0.6	13
6	Practical considerations for quantitative clinical SPECT/CT imaging of alpha particle emitting radioisotopes. Theranostics, 2021, 11, 9721-9737.	10.0	12
7	Acute Rodent Tolerability, Toxicity, and Radiation Dosimetry Estimates of the S1P1-Specific Radioligand [11C]CS1P1. Molecular Imaging and Biology, 2020, 22, 285-292.	2.6	5
8	CCR2 Positron Emission Tomography for the Assessment of Abdominal Aortic Aneurysm Inflammation and Rupture Prediction. Circulation: Cardiovascular Imaging, 2020, 13, e009889.	2.6	28
9	Bone material analogues for PET/MRI phantoms. Medical Physics, 2020, 47, 2161-2170.	3.0	8
10	⁶⁴ Cu-ATSM Positron Emission Tomography/Magnetic Resonance Imaging of Hypoxia in Human Atherosclerosis. Circulation: Cardiovascular Imaging, 2020, 13, e009791.	2.6	13
11	Co-Clinical Imaging Resource Program (CIRP): Bridging the Translational Divide to Advance Precision Medicine. Tomography, 2020, 6, 273-287.	1.8	11
12	Validation of postâ€treatment PETâ€based dosimetry software for hepatic radioembolization of Yttriumâ€90 microspheres. Medical Physics, 2019, 46, 2394-2402.	3.0	18
13	Evaluation of [89Zr]trastuzumab-PET/CT in differentiating HER2-positive from HER2-negative breast cancer. Breast Cancer Research and Treatment, 2018, 169, 523-530.	2.5	59
14	Reply to â€˜Is Cherenkov luminescence bright enough for photodynamic therapy?â€™. Nature Nanotechnology, 2018, 13, 354-355.	31.5	10
15	PET of Poly (ADP-Ribose) Polymerase Activity in Cancer: Preclinical Assessment and First In-Human Studies. Radiology, 2017, 282, 453-463.	7.3	57
16	Phase 1 Evaluation of [64Cu]DOTA-Patritumab to Assess Dosimetry, Apparent Receptor Occupancy, and Safety in Subjects with Advanced Solid Tumors. Molecular Imaging and Biology, 2016, 18, 446-453.	2.6	40
17	Design and Modular Construction of a Polymeric Nanoparticle for Targeted Atherosclerosis Positron Emission Tomography Imaging: A Story of 25% 64Cu-CANF-Comb. Pharmaceutical Research, 2016, 33, 2400-2410.	3.5	24
18	Radiation dosimetry of [18F]VAT in nonhuman primates. EJNMMI Research, 2015, 5, 73.	2.5	12

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19	Evaluation of the Effect of Magnetic Field on PET Spatial Resolution and Contrast Recovery Using Clinical PET Scanners and EGSnrc Simulations. IEEE Transactions on Nuclear Science, 2015, 62, 101-110.	2.0	6
20	Attenuation Effects of MR Headphones During Brain PET/MR Studies. Journal of Nuclear Medicine Technology, 2014, 42, 93-100.	0.8	16
21	Initial characterization of a dually radiolabeled peptide for simultaneous monitoring of protein targets and enzymatic activity. Nuclear Medicine and Biology, 2013, 40, 190-196.	0.6	5
22	Using ITK to obtain motion transform in anatomically guided PET motion correction for simultaneous PET/MR. , 2013, , .		0
23	Evaluation of HYPR de-noising with MAP reconstruction in small animal PET imaging. , 2012, , .		1
24	Evaluation of the effect of magnetic field on the PET spatial resolution and contrast recovery using clinical PET scanners and EGS simulations. , 2012, , .		0
25	NEMA NU 4-2008 Comparison of Preclinical PET Imaging Systems. Journal of Nuclear Medicine, 2012, 53, 1300-1309.	5.0	191
26	Quantitative accuracy of MAP reconstruction for dynamic PET imaging in small animals. Medical Physics, 2012, 39, 1029-1041.	3.0	36
27	A scatter and randoms weighted (SRW) iterative PET reconstruction. Medical Physics, 2011, 38, 3186-3192.	3.0	5
28	Incorporation of a cascade gamma ray correction into the SRW iterative reconstruction for non-standard PET nuclides: Towards a unified correction weighted (UCW) scheme in the sensitivity image. , 2011, , .		0
29	Evaluation of the HD and HD+TOF reconstructions for Siemens' Biograph-mCT TOF PET scanner. , 2011, , .		1
30	Gold Nanocages as Photothermal Transducers for Cancer Treatment. Small, 2010, 6, 811-817.	10.0	654
31	A scatter and randoms weighted (SRW) iterative PET reconstruction. , 2010, , .		0
32	Multimodal Imaging of Integrin Receptor-Positive Tumors by Bioluminescence, Fluorescence, Gamma Scintigraphy, and Single-Photon Emission Computed Tomography Using a Cyclic RGD Peptide Labeled with a Near-Infrared Fluorescent Dye and a Radionuclide. Molecular Imaging, 2009, 8, 7290.2009.00014.	1.4	55
33	Evaluation of an iterative cascade gamma ray correction algorithm for non-standard PET nuclides at various counting statistics in high resolution small animal PET imaging. , 2009, , .		2
34	Cascade removal and microPET imaging with76Br. Physics in Medicine and Biology, 2009, 54, 1503-1531.	3.0	20
35	Exploring feature-based approaches in PET images for predicting cancer treatment outcomes. Pattern Recognition, 2009, 42, 1162-1171.	8.1	424
36	Quantitative small animal PET imaging with nonconventional nuclides. Nuclear Medicine and Biology, 2009, 36, 551-559.	0.6	41

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37	An Imaging Comparison of ⁶⁴Cu-ATSM and ⁶⁰Cu-ATSM in Cancer of the Uterine Cervix. Journal of Nuclear Medicine, 2008, 49, 1177-1182.	5.0	178
38	Assessing Tumor Hypoxia in Cervical Cancer by PET with ⁶⁰Cu-Labeled Diacetyl-Bis(N⁴-Methylthiosemicarbazone). Journal of Nuclear Medicine, 2008, 49, 201-205.	5.0	221
39	Performance Evaluation of the microPETÂ®â€"FOCUS-F120. IEEE Transactions on Nuclear Science, 2007, 54, 42-49.	2.0	77
40	Three-dimensional maximum a posteriori (MAP) imaging with radiopharmaceuticals labeled with three Cu radionuclides. Nuclear Medicine and Biology, 2006, 33, 217-226.	0.6	35
41	Advances in the production, processing and microPET image quality of technetium-94m. Nuclear Medicine and Biology, 2006, 33, 923-933.	0.6	23
42	Dosimetry of 60/61/62/64Cu-ATSM: a hypoxia imaging agent for PET. European Journal of Nuclear Medicine and Molecular Imaging, 2005, 32, 764-770.	6.4	74
43	Measurement of input functions in rodents: challenges and solutions. Nuclear Medicine and Biology, 2005, 32, 679-685.	0.6	107
44	Performance evaluation of the microPET focus: a third-generation microPET scanner dedicated to animal imaging. Journal of Nuclear Medicine, 2005, 46, 455-63.	5.0	267
45	In vivo assessment of tumor hypoxia in lung cancer with 60Cu-ATSM. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 844-850.	6.4	358
46	Preparation of 66Ga- and 68Ga-labeled Ga(III)-deferoxamine-folate as potential folate-receptor-targeted PET radiopharmaceuticals. Nuclear Medicine and Biology, 2003, 30, 725-731.	0.6	113
47	Production and purification of gallium-66 for preparation of tumor-targeting radiopharmaceuticals. Nuclear Medicine and Biology, 2002, 29, 701-706.	0.6	51