

Francois Brunotte

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54
papers

2,584
citations

27
h-index

50
g-index

55
ext. papers

2,909
ext. citations

7.1
avg, IF

4.13
L-index

#	Paper	IF	Citations
54	Mutations in myosin heavy chain 11 cause a syndrome associating thoracic aortic aneurysm/aortic dissection and patent ductus arteriosus. <i>Nature Genetics</i> , 2006 , 38, 343-9	36.3	451
53	Physical training improves skeletal muscle metabolism in patients with chronic heart failure. <i>Journal of the American College of Cardiology</i> , 1993 , 21, 1101-6	15.1	299
52	[18F]FDG-PET predicts complete pathological response of breast cancer to neoadjuvant chemotherapy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007 , 34, 1915-24	8.8	136
51	Term neonate prognoses after perinatal asphyxia: contributions of MR imaging, MR spectroscopy, relaxation times, and apparent diffusion coefficients. <i>Radiology</i> , 2006 , 239, 839-48	20.5	133
50	Right ventricular overload and induced sustained ventricular tachycardia in operatively "repaired" tetralogy of Fallot. <i>American Journal of Cardiology</i> , 1992 , 69, 785-9	3	114
49	Baseline metabolic tumour volume is an independent prognostic factor in Hodgkin lymphoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014 , 41, 1735-43	8.8	105
48	What are normal relaxation times of tissues at 3 T?. <i>Magnetic Resonance Imaging</i> , 2017 , 35, 69-80	3.3	100
47	Interim 18F-FDG PET SUVmax reduction is superior to visual analysis in predicting outcome early in Hodgkin lymphoma patients. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 569-73	8.9	68
46	Influence of Software Tool and Methodological Aspects of Total Metabolic Tumor Volume Calculation on Baseline [18F]FDG PET to Predict Survival in Hodgkin Lymphoma. <i>PLoS ONE</i> , 2015 , 10, e0140830	3.7	65
45	Major prognostic impact of persistent microvascular obstruction as assessed by contrast-enhanced cardiac magnetic resonance in reperfused acute myocardial infarction. <i>European Radiology</i> , 2009 , 19, 2117-26	8	61
44	Mapping of familial thoracic aortic aneurysm/dissection with patent ductus arteriosus to 16p12.2-p13.13. <i>Circulation</i> , 2005 , 112, 200-6	16.7	56
43	DOTAGA-anhydride: a valuable building block for the preparation of DOTA-like chelating agents. <i>Chemistry - A European Journal</i> , 2012 , 18, 7834-41	4.8	48
42	HER2-positive breast cancer: 18 F-FDG PET for early prediction of response to trastuzumab plus taxane-based neoadjuvant chemotherapy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014 , 41, 1525-33	8.8	46
41	Prognostic relevance at 5 years of the early monitoring of neoadjuvant chemotherapy using (18)F-FDG PET in luminal HER2-negative breast cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014 , 41, 416-27	8.8	45
40	Familial thoracic aortic aneurysm/dissection with patent ductus arteriosus: genetic arguments for a particular pathophysiological entity. <i>European Journal of Human Genetics</i> , 2004 , 12, 173-80	5.3	45
39	Evaluation of breast tumor blood flow with dynamic first-pass 18F-FDG PET/CT: comparison with angiogenesis markers and prognostic factors. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 512-20	8.9	43
38	Time course of NAA T2 and ADC(w) in ischaemic stroke patients: 1H MRS imaging and diffusion-weighted MRI. <i>Journal of the Neurological Sciences</i> , 2004 , 220, 23-8	3.2	41

37	Role of positron emission tomography for the monitoring of response to therapy in breast cancer. <i>Oncologist</i> , 2015 , 20, 94-104	5.7	39
36	MR imaging of the heart in patients after myocardial infarction: effect of increasing intersection gap on measurements of left ventricular volume, ejection fraction, and wall thickness. <i>Radiology</i> , 1999 , 213, 513-20	20.5	38
35	Reduced brain N-acetyl-aspartate in frontal lobes suggests neuronal loss in patients with amyotrophic lateral sclerosis. <i>Neurological Research</i> , 1996 , 18, 241-3	2.7	38
34	Influence of age and sex on aortic distensibility assessed by MRI in healthy subjects. <i>Magnetic Resonance Imaging</i> , 2010 , 28, 255-63	3.3	37
33	Comparison of epirubicin and doxorubicin cardiotoxicity induced by low doses: evolution of the diastolic and systolic parameters studied by radionuclide angiography. <i>Clinical Cardiology</i> , 1998 , 21, 665-70	3.7	36
32	Identification of Biomarkers Including 18FDG-PET/CT for Early Prediction of Response to Neoadjuvant Chemotherapy in Triple-Negative Breast Cancer. <i>Clinical Cancer Research</i> , 2015 , 21, 5460-8	12.9	34
31	Long-term prognostic value of 201Tl single-photon emission computed tomographic myocardial perfusion imaging after coronary stenting. <i>American Heart Journal</i> , 2001 , 141, 999-1006	4.9	34
30	Dual labeling of lipopolysaccharides for SPECT-CT imaging and fluorescence microscopy. <i>ACS Chemical Biology</i> , 2014 , 9, 656-62	4.9	30
29	Pattern of occult nodal relapse diagnosed with (18)F-fluoro-choline PET/CT in prostate cancer patients with biochemical failure after prostate-only radiotherapy. <i>Radiotherapy and Oncology</i> , 2014 , 111, 120-5	5.3	28
28	DOTAGA-trastuzumab. A new antibody conjugate targeting HER2/Neu antigen for diagnostic purposes. <i>Bioconjugate Chemistry</i> , 2012 , 23, 1181-8	6.3	28
27	The extent of myocardial damage assessed by contrast-enhanced MRI is a major determinant of N-BNP concentration after myocardial infarction. <i>European Journal of Heart Failure</i> , 2004 , 6, 555-60	12.3	27
26	Early incidence of adriamycin treatment on cardiac parameters in the rat. <i>Canadian Journal of Physiology and Pharmacology</i> , 1994 , 72, 140-5	2.4	26
25	Relationship between fragmented QRS and no-reflow, infarct size, and peri-infarct zone assessed using cardiac magnetic resonance in patients with myocardial infarction. <i>Canadian Journal of Cardiology</i> , 2014 , 30, 204-10	3.8	24
24	Visual estimation of the global myocardial extent of hyperenhancement on delayed contrast-enhanced MRI. <i>European Radiology</i> , 2004 , 14, 2182-7	8	24
23	Breast Cancer Blood Flow and Metabolism on Dual-Acquisition F-FDG PET: Correlation with Tumor Phenotype and Neoadjuvant Chemotherapy Response. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 1035-1041	8.9	22
22	Diastolic or systolic left and right ventricular impairment at moderate doses of anthracycline? A 1-year follow-up study of women. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1996 , 23, 511-6		22
21	Automatic detection of left ventricular contours from cardiac cine magnetic resonance imaging using fuzzy logic. <i>Investigative Radiology</i> , 1999 , 34, 211-7	10.1	22
20	18F-FDG PET-Derived Tumor Blood Flow Changes After 1 Cycle of Neoadjuvant Chemotherapy Predicts Outcome in Triple-Negative Breast Cancer. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 1707-1712	8.9	21

19	BODIPY: A Highly Versatile Platform for the Design of Bimodal Imaging Probes. <i>Chemistry - A European Journal</i> , 2015 , 21, 13091-9	4.8	21
18	N-acetylaspartate/creatine and choline/creatine ratios in the thalami, insular cortex and white matter as markers of hypertension and cognitive impairment in the elderly. <i>Hypertension Research</i> , 2008 , 31, 1851-7	4.7	20
17	Automatic determination of aortic compliance with cine-magnetic resonance imaging: an application of fuzzy logic theory. <i>Investigative Radiology</i> , 2002 , 37, 685-91	10.1	20
16	Skeletal muscle metabolism in the leg during exercise in patients with congestive heart failure. <i>Clinical Science</i> , 1990 , 78, 515-9	6.5	20
15	Near-Infrared-Emitting BODIPY-trisDOTA(111) In as a Monomolecular Multifunctional Imaging Probe: From Synthesis to In Vivo Investigations. <i>Chemistry - A European Journal</i> , 2016 , 22, 12670-4	4.8	17
14	Prognostic value of microvascular damage determined by cardiac magnetic resonance in non ST-segment elevation myocardial infarction: comparison between first-pass and late gadolinium-enhanced images. <i>Investigative Radiology</i> , 2010 , 45, 725-32	10.1	16
13	Phosphorus magnetic resonance spectroscopy: a noninvasive technique for the study of occlusive arterial leg disease and peripheral vasodilator therapy. <i>Angiology</i> , 1994 , 45, 367-76	2.1	10
12	Comparison of the extent of delayed-enhancement cardiac magnetic resonance imaging with and without phase-sensitive reconstruction at 3.0 T. <i>Investigative Radiology</i> , 2007 , 42, 372-6	10.1	9
11	A novel alternative to classify tissues from T 1 and T 2 relaxation times for prostate MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016 , 29, 777-88	2.8	9
10	Predictive value of myocardial tomoscintigraphy in asymptomatic diabetic patients after percutaneous coronary intervention. <i>International Journal of Cardiology</i> , 2003 , 90, 165-73	3.2	8
9	Automatic classification of tissues on pelvic MRI based on relaxation times and support vector machine. <i>PLoS ONE</i> , 2019 , 14, e0211944	3.7	7
8	FDG PET/CT for prognostic stratification of patients with metastatic breast cancer treated with first line systemic therapy: Comparison of EORTC criteria and PERCIST. <i>PLoS ONE</i> , 2018 , 13, e0199529	3.7	7
7	Utility of Cardiac Magnetic Resonance to assess association between admission hyperglycemia and myocardial damage in patients with reperfused ST-segment elevation myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008 , 10, 2	6.9	7
6	Realignment of myocardial first-pass MR perfusion images using an automatic detection of the heart-lung interface. <i>Magnetic Resonance Imaging</i> , 2004 , 22, 1001-9	3.3	7
5	Automatic fuzzy classification of the washout curves from magnetic resonance first-pass perfusion imaging after myocardial infarction. <i>Investigative Radiology</i> , 2005 , 40, 545-55	10.1	6
4	Biological correlates of tumor perfusion and its heterogeneity in newly diagnosed breast cancer using dynamic first-pass F-FDG PET/CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 1103-1115	8.8	5
3	Biphasic time course of brain water ADC observed during the first month of life in term neonates with severe perinatal asphyxia is indicative of poor outcome at 3 years. <i>Magnetic Resonance Imaging</i> , 2011 , 29, 194-201	3.3	4
2	Skeletal muscle metabolism in experimental heart failure: Effects of infarct size and physical training. <i>Journal of the American College of Cardiology</i> , 1991 , 17, A158	15.1	4

1 Reply: Semiquantification Limitations: FMTVDM Demonstrates Quantified Tumor Response to Treatment with Both Regional Blood Flow and Metabolic Changes. *Journal of Nuclear Medicine*, **2018**, 59, 1644 8.9 1