FranÃ§ois Brunotte

List of Publications by Year
in descending order

55 papers	3,139 citations	172207 29 h-index	161609 54 g-index
55 all docs	55 docs citations	55 times ranked	4501 citing authors

#	Article	IF	Citations
1	Biological correlates of tumor perfusion and its heterogeneity in newly diagnosed breast cancer using dynamic first-pass 18F-FDG PET/CT. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 1103-1115.	3.3	11
2	Automatic classification of tissues on pelvic MRI based on relaxation times and support vector machine. PLoS ONE, 2019, 14, e0211944.	1.1	7
3	Breast Cancer Blood Flow and Metabolism on Dual-Acquisition ¹⁸F-FDG PET: Correlation with Tumor Phenotype and Neoadjuvant Chemotherapy Response. Journal of Nuclear Medicine, 2018, 59, 1035-1041.	2.8	27
4	Reply: Semiquantification Limitations: FMTVDM^{Â©â„¢} Demonstrates Quantified Tumor Response to Treatment with Both Regional Blood Flow and Metabolic Changes. Journal of Nuclear Medicine, 2018, 59, 1644-1644.	2.8	1
5	FDG PET/CT for prognostic stratification of patients with metastatic breast cancer treated with first line systemic therapy: Comparison of EORTC criteria and PERCIST. PLoS ONE, 2018, 13, e0199529.	1.1	15
6	What are normal relaxation times of tissues at 3 T?. Magnetic Resonance Imaging, 2017, 35, 69-80.	1.0	180
7	A novel alternative to classify tissues from T 1 and T 2 relaxation times for prostate MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 777-788.	1.1	12
8	Nearâ€Infraredâ€Emitting BODIPYâ€trisDOTA¹¹¹In as a Monomolecular Multifunctional Imaging Probe: From Synthesis to In Vivo Investigations. Chemistry - A European Journal, 2016, 22, 12670-12674.	1.7	21
9	18F-FDG PETâ€“Derived Tumor Blood Flow Changes After 1 Cycle of Neoadjuvant Chemotherapy Predicts Outcome in Triple-Negative Breast Cancer. Journal of Nuclear Medicine, 2016, 57, 1707-1712.	2.8	27
10	BODIPY: A Highly Versatile Platform for the Design of Bimodal Imaging Probes. Chemistry - A European Journal, 2015, 21, 13091-13099.	1.7	25
11	Influence of Software Tool and Methodological Aspects of Total Metabolic Tumor Volume Calculation on Baseline [18F]FDG PET to Predict Survival in Hodgkin Lymphoma. PLoS ONE, 2015, 10, e0140830.	1.1	90
12	Role of Positron Emission Tomography for the Monitoring of Response to Therapy in Breast Cancer. Oncologist, 2015, 20, 94-104.	1.9	53
13	Identification of Biomarkers Including 18FDG-PET/CT for Early Prediction of Response to Neoadjuvant Chemotherapy in Triple-Negative Breast Cancer. Clinical Cancer Research, 2015, 21, 5460-5468.	3.2	46
14	Pattern of occult nodal relapse diagnosed with 18F-fluoro-choline PET/CT in prostate cancer patients with biochemical failure after prostate-only radiotherapy. Radiotherapy and Oncology, 2014, 111, 120-125.	0.3	34
15	Prognostic relevance at 5Âyears of the early monitoring of neoadjuvant chemotherapy using 18F-FDG PET in luminal HER2-negative breast cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 416-427.	3.3	54
16	Interim ¹⁸F-FDG PET SUVmax Reduction Is Superior to Visual Analysis in Predicting Outcome Early in Hodgkin Lymphoma Patients. Journal of Nuclear Medicine, 2014, 55, 569-573.	2.8	76
17	Dual Labeling of Lipopolysaccharides for SPECT-CT Imaging and Fluorescence Microscopy. ACS Chemical Biology, 2014, 9, 656-662.	1.6	32
18	HER2-positive breast cancer: 18F-FDG PET for early prediction of response to trastuzumab plus taxane-based neoadjuvant chemotherapy. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1525-1533.	3.3	57

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19	Baseline metabolic tumour volume is an independent prognostic factor in Hodgkin lymphoma. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1735-1743.	3.3	152
20	Relationship Between Fragmented QRS and No-Reflow, Infarct Size, and Peri-Infarct Zone Assessed Using Cardiac Magnetic Resonance in Patients With Myocardial Infarction. Canadian Journal of Cardiology, 2014, 30, 204-210.	0.8	26
21	Evaluation of Breast Tumor Blood Flow with Dynamic First-Pass ¹⁸F-FDG PET/CT: Comparison with Angiogenesis Markers and Prognostic Factors. Journal of Nuclear Medicine, 2012, 53, 512-520.	2.8	53
22	DOTAGA-Trastuzumab. A New Antibody Conjugate Targeting HER2/Neu Antigen for Diagnostic Purposes. Bioconjugate Chemistry, 2012, 23, 1181-1188.	1.8	34
23	DOTAGAâ€“Anhydride: A Valuable Building Block for the Preparation of DOTAâ€Like Chelating Agents. Chemistry - A European Journal, 2012, 18, 7834-7841.	1.7	56
24	MR spectroscopy compared with DW-MRI and DCE-MRI at 3-tesla for the noninvasive prediction of short-term radiation response for patients with localized prostate cancer.. Journal of Clinical Oncology, 2012, 30, 122-122.	0.8	0
25	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. Magnetic Resonance Imaging, 2011, 29, 194-201.	1.0	4
26	Prognostic Value of Microvascular Damage Determined by Cardiac Magnetic Resonance in Non ST-Segment Elevation Myocardial Infarction. Investigative Radiology, 2010, 45, 725-732.	3.5	17
27	Influence of age and sex on aortic distensibility assessed by MRI in healthy subjects. Magnetic Resonance Imaging, 2010, 28, 255-263.	1.0	42
28	Major prognostic impact of persistent microvascular obstruction as assessed by contrast-enhanced cardiac magnetic resonance in reperfused acute myocardial infarction. European Radiology, 2009, 19, 2117-2126.	2.3	70
29	Utility of Cardiac Magnetic Resonance to assess association between admission hyperglycemia and myocardial damage in patients with reperfused ST-Segment Elevation Myocardial Infarction. Journal of Cardiovascular Magnetic Resonance, 2008, 10, 2.	1.6	13
30	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. Hypertension Research, 2008, 31, 1851-1857.	1.5	24
31	Comparison of the Extent of Delayed-Enhancement Cardiac Magnetic Resonance Imaging With and Without Phase-Sensitive Reconstruction at 3.0 T. Investigative Radiology, 2007, 42, 372-376.	3.5	11
32	[18F]FDG-PET predicts complete pathological response of breast cancer to neoadjuvant chemotherapy. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1915-1924.	3.3	160
33	Mutations in myosin heavy chain 11 cause a syndrome associating thoracic aortic aneurysm/aortic dissection and patent ductus arteriosus. Nature Genetics, 2006, 38, 343-349.	9.4	532
34	Term neonate prognoses after perinatal asphyxia: contributions of MR imaging, MR spectroscopy, relaxation times, and apparent diffusion coefficients.. Radiology, 2006, 239, 839-848.	3.6	151
35	Automatic Fuzzy Classification of the Washout Curves From Magnetic Resonance First-Pass Perfusion Imaging After Myocardial Infarction. Investigative Radiology, 2005, 40, 545-555.	3.5	6
36	Mapping of Familial Thoracic Aortic Aneurysm/Dissection With Patent Ductus Arteriosus to 16p12.2â€“p13.13. Circulation, 2005, 112, 200-206.	1.6	65

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37	The extent of myocardial damage assessed by contrast-enhanced MRI is a major determinant of N-BNP concentration after myocardial infarction. European Journal of Heart Failure, 2004, 6, 555-560.	2.9	30
38	Familial thoracic aortic aneurysm/dissection with patent ductus arteriosus: genetic arguments for a particular pathophysiological entity. European Journal of Human Genetics, 2004, 12, 173-180.	1.4	48
39	Visual estimation of the global myocardial extent of hyperenhancement on delayed contrast-enhanced MRI. European Radiology, 2004, 14, 2182-2187.	2.3	26
40	Realignment of myocardial first-pass MR perfusion images using an automatic detection of the heart-lung interface. Magnetic Resonance Imaging, 2004, 22, 1001-1009.	1.0	9
41	Time course of NAA T2 and ADCw in ischaemic stroke patients: 1H MRS imaging and diffusion-weighted MRI. Journal of the Neurological Sciences, 2004, 220, 23-28.	0.3	50
42	Predictive value of myocardial tomoscintigraphy in asymptomatic diabetic patients after percutaneous coronary intervention. International Journal of Cardiology, 2003, 90, 165-173.	0.8	9
43	Automatic Determination of Aortic Compliance With Cine-Magnetic Resonance Imaging. Investigative Radiology, 2002, 37, 685-691.	3.5	26
44	Long-term prognostic value of 201Tl single-photon emission computed tomographic myocardial perfusion imaging after coronary stenting. American Heart Journal, 2001, 141, 999-1006.	1.2	38
45	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. Radiology, 1999, 213, 513-520.	3.6	41
46	Automatic Detection of Left Ventricular Contours from Cardiac Cine Magnetic Resonance Imaging Using Fuzzy Logic. Investigative Radiology, 1999, 34, 211-217.	3.5	31
47	Comparison of epirubicin and doxorubicin cardiotoxicity induced by low doses: Evolution of the diastolic and systolic parameters studied by radionucide angiography. Clinical Cardiology, 1998, 21, 665-670.	0.7	43
48	Diastolic or systolic left and right ventricular impairment at moderate doses of anthracycline?. European Journal of Nuclear Medicine and Molecular Imaging, 1996, 23, 511-516.	2.2	25
49	Reduced brainN-acetyl-aspartate in frontal lobes suggests neuronal loss in patients with amyotrophic lateral sclerosis. Neurological Research, 1996, 18, 241-243.	0.6	39
50	Phosphorus Magnetic Resonance Spectroscopy: A Noninvasive Technique for the Study of Occlusive Arterial Leg Disease and Peripheral Vasodilator Therapy. Angiology, 1994, 45, 367-376.	0.8	13
51	Early incidence of adriamycin treatment on cardiac parameters in the rat. Canadian Journal of Physiology and Pharmacology, 1994, 72, 140-145.	0.7	33
52	Physical training improves skeletal muscle metabolism in patients with chronic heart failure. Journal of the American College of Cardiology, 1993, 21, 1101-1106.	1.2	338
53	Right ventricular overload and induced sustained ventricular tachycardia in operatively â€œrepairedâ€• tetralogy of Fallot. American Journal of Cardiology, 1992, 69, 785-789.	0.7	130
54	Skeletal muscle metabolism in experimental heart failure: Effects of infarct size and physical training. Journal of the American College of Cardiology, 1991, 17, A158.	1.2	4

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55	Skeletal muscle metabolism in the leg during exercise in patients with congestive heart failure. Clinical Science, 1990, 78, 515-519.	1.8	22