

Fabien Hyafil

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

3,550
citations

172457

29
h-index

133252

59
g-index

79
all docs

79
docs citations

79
times ranked

4006
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive detection of macrophages using a nanoparticulate contrast agent for computed tomography. <i>Nature Medicine</i> , 2007, 13, 636-641.	30.7	429
2	Detecting and assessing macrophages in vivo to evaluate atherosclerosis noninvasively using molecular MRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 961-966.	7.1	344
3	Position paper of the Cardiovascular Committee of the European Association of Nuclear Medicine (EANM) on PET imaging of atherosclerosis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 780-792.	6.4	195
4	Respective Performance of ¹⁸ F-FDG PET and Radiolabeled Leukocyte Scintigraphy for the Diagnosis of Prosthetic Valve Endocarditis. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1980-1985.	5.0	187
5	Evaluation of Matrix Metalloproteinases in Atherosclerosis Using a Novel Noninvasive Imaging Approach. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 425-432.	2.4	149
6	Magnetic resonance imaging of vulnerable atherosclerotic plaques: Current imaging strategies and molecular imaging probes. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 460-479.	3.4	128
7	Inflammation Imaging in Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1009-1016.	2.4	117
8	Quantification of Inflammation Within Rabbit Atherosclerotic Plaques Using the Macrophage-Specific CT Contrast Agent N1177: A Comparison with ¹⁸ F-FDG PET/CT and Histology. <i>Journal of Nuclear Medicine</i> , 2009, 50, 959-965.	5.0	115
9	Ferumoxtran-10-Enhanced MRI of the Hypercholesterolemic Rabbit Aorta. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 176-181.	2.4	108
10	High-risk plaque features can be detected in non-stenotic carotid plaques of patients with ischaemic stroke classified as cryptogenic using combined ¹⁸ F-FDG PET/MR imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 270-279.	6.4	103
11	Positron emission tomography and computed tomography angiography for the diagnosis of giant cell arteritis. <i>Medicine (United States)</i> , 2016, 95, e4146.	1.0	97
12	A joint procedural position statement on imaging in cardiac sarcoidosis: from the Cardiovascular and Inflammation & Infection Committees of the European Association of Nuclear Medicine, the European Association of Cardiovascular Imaging, and the American Society of Nuclear Cardiology. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 298-319.	2.1	97
13	Imaging the Cytokine Receptor CXCR4 in Atherosclerotic Plaques with the Radiotracer ⁶⁸ Ga-Pentixafor for PET. <i>Journal of Nuclear Medicine</i> , 2017, 58, 499-506.	5.0	94
14	Variability and Uncertainty of ¹⁸ F-FDG PET Imaging Protocols for Assessing Inflammation in Atherosclerosis: Suggestions for Improvement. <i>Journal of Nuclear Medicine</i> , 2015, 56, 552-559.	5.0	89
15	Role of radiolabelled leucocyte scintigraphy in patients with a suspicion of prosthetic valve endocarditis and inconclusive echocardiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2013, 14, 586-594.	1.2	85
16	Performance of cardiac cadmium-zinc-telluride gamma camera imaging in coronary artery disease: a review from the cardiovascular committee of the European Association of Nuclear Medicine (EANM). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 2423-2432.	6.4	80
17	Atherosclerosis and Matrix Metalloproteinases: Experimental Molecular MR Imaging in Vivo. <i>Radiology</i> , 2009, 251, 429-438.	7.3	79
18	Characterization of ¹⁸ F-Fluorodeoxyglucose Uptake Pattern in Noninfected Prosthetic Heart Valves. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, e005585.	2.6	75

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19	A joint procedural position statement on imaging in cardiac sarcoidosis: from the Cardiovascular and Inflammation & Infection Committees of the European Association of Nuclear Medicine, the European Association of Cardiovascular Imaging, and the American Society of Nuclear Cardiology. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1073-1089.	1.2	74
20	EANM procedural guidelines for PET/CT quantitative myocardial perfusion imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1040-1069.	6.4	70
21	Procedural recommendations of cardiac PET/CT imaging: standardization in inflammatory-, infective-, infiltrative-, and innervation (4Is)-related cardiovascular diseases: a joint collaboration of the EACVI and the EANM. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1016-1039.	6.4	62
22	Monitoring of arterial wall remodelling in atherosclerotic rabbits with a magnetic resonance imaging contrast agent binding to matrix metalloproteinases. <i>European Heart Journal</i> , 2011, 32, 1561-1571.	2.2	54
23	Diagnostic Impact of ¹⁸ F-Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography and White Blood Cell SPECT/Computed Tomography in Patients With Suspected Cardiac Implantable Electronic Device Chronic Infection. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e007188.	2.6	52
24	EANM procedural guidelines for myocardial perfusion scintigraphy using cardiac-centered gamma cameras. <i>European Journal of Hybrid Imaging</i> , 2019, 3, 11.	1.5	46
25	Position paper of the EACVI and EANM on artificial intelligence applications in multimodality cardiovascular imaging using SPECT/CT, PET/CT, and cardiac CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1399-1413.	6.4	45
26	Clinical use of quantitative cardiac perfusion PET: rationale, modalities and possible indications. Position paper of the Cardiovascular Committee of the European Association of Nuclear Medicine (EANM). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 1530-1545.	6.4	44
27	Strategies for radiation dose reduction in nuclear cardiology and cardiac computed tomography imaging: a report from the European Association of Cardiovascular Imaging (EACVI), the Cardiovascular Committee of European Association of Nuclear Medicine (EANM), and the European Society of Cardiovascular Radiology (ESCR). <i>European Heart Journal</i> , 2018, 39, 286-296.	2.2	44
28	Procedural recommendations of cardiac PET/CT imaging: standardization in inflammatory-, infective-, infiltrative-, and innervation- (4Is) related cardiovascular diseases: a joint collaboration of the EACVI and the EANM: A summary. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1320-1330.	1.2	35
29	Targeting mannose receptor expression on macrophages in atherosclerotic plaques of apolipoprotein E-knockout mice using ¹¹¹ In-tilmanocept. <i>EJNMMI Research</i> , 2017, 7, 40.	2.5	32
30	Remote monitoring of cardiac implanted electronic devices: legal requirements and ethical principles - ESC Regulatory Affairs Committee/EHRA joint task force report. <i>Europace</i> , 2020, 22, 1742-1758.	1.7	32
31	Flow-mediated dilatation test using optoacoustic imaging: a proof-of-concept. <i>Biomedical Optics Express</i> , 2017, 8, 3395.	2.9	31
32	Detection of Mycotic Aneurysms of Lower Limbs by Whole-Body ¹⁸ F-FDG-PET. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 859-862.	5.3	28
33	Detection of ¹⁸ Fluoride Sodium Accumulation by Positron Emission Tomography in Calcified Stenotic Aortic Valves. <i>American Journal of Cardiology</i> , 2012, 109, 1194-1196.	1.6	24
34	¹⁸ F-FDG-PET/CT Imaging to Diagnose Septic Emboli and Mycotic Aneurysms in Patients with Endocarditis and Cardiac Device Infections. <i>Current Cardiology Reports</i> , 2018, 20, 14.	2.9	19
35	Current and Emerging Preclinical Approaches for Imaging-Based Characterization of Atherosclerosis. <i>Molecular Imaging and Biology</i> , 2018, 20, 869-887.	2.6	19
36	The role of myocardial innervation imaging in different clinical scenarios: an expert document of the European Association of Cardiovascular Imaging and Cardiovascular Committee of the European Association of Nuclear Medicine. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 480-490.	1.2	19

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37	Nuclear imaging for patients with a suspicion of infective endocarditis: Be part of the team!. Journal of Nuclear Cardiology, 2017, 24, 207-211.	2.1	18
38	Detection of Apoptotic Cells in a Rabbit Model with Atherosclerosis-Like Lesions Using the Positron Emission Tomography Radiotracer [¹⁸ F]ML-10. Molecular Imaging, 2015, 14, 7290.2015.00017.	1.4	16
39	Rupture of Nonstenotic Carotid Plaque as a Cause of Ischemic Stroke Evidenced by Multimodality Imaging. Circulation, 2014, 129, 130-131.	1.6	15
40	FDG atrial uptake is associated with an increased prevalence of stroke in patients with atrial fibrillation. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1268-1275.	6.4	14
41	Head-to-head comparison of the diagnostic performances of Rubidium-PET and SPECT with CZT camera for the detection of myocardial ischemia in a population of women and overweight individuals. Journal of Nuclear Cardiology, 2020, 27, 755-768.	2.1	14
42	A Clinical Role of PET in Atherosclerosis and Vulnerable Plaques?. Seminars in Nuclear Medicine, 2020, 50, 311-318.	4.6	12
43	Diagnostic performance of White Blood Cell SPECT imaging against intra-operative findings in patients with a suspicion of prosthetic valve endocarditis. Journal of Nuclear Cardiology, 2022, 29, 528-534.	2.1	12
44	Peristut microhemorrhages: a possible cause of in-stent neoatherosclerosis?. Cardiovascular Pathology, 2017, 26, 30-38.	1.6	11
45	Physiological Evaluation of Anomalous Aortic Origin of a Coronary Artery Using Computed Tomography-Derived Fractional Flow Reserve. Journal of the American Heart Association, 2021, 10, e018593.	3.7	11
46	Role of FFR-CT for the Evaluation of Patients With Anomalous Aortic Origin of Coronary Artery. JACC: Cardiovascular Imaging, 2021, 14, 1074-1076.	5.3	11
47	Nuclear Imaging. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1369-1378.	2.4	10
48	Comparison between visual and numerical metrics for the evaluation of patients with Takayasu arteritis with 18F-FDG-PET. Nuclear Medicine Communications, 2018, 39, 779-788.	1.1	9
49	Nuclear Imaging in Infective Endocarditis. Pharmaceuticals, 2022, 15, 14.	3.8	9
50	Imaging inflammation in atherosclerotic plaques: Just make it easy!. Journal of Nuclear Cardiology, 2019, 26, 1705-1708.	2.1	8
51	Evaluating Efficacy of Pharmaceutical Interventions in Atherosclerosis: Role of Magnetic Resonance Imaging and Positron Emission Tomography. Mount Sinai Journal of Medicine, 2012, 79, 689-704.	1.9	7
52	Mycotic aneurysm in a pulmonary artery detected with 18F-fluorodeoxyglucose positron emission tomography/computed tomography imaging. European Heart Journal, 2017, 38, ehw571.	2.2	7
53	FDG-PET for the detection of infection in left ventricle assist device: Is there light at the end of the tunnel?. Journal of Nuclear Cardiology, 2019, 26, 1222-1224.	2.1	7
54	Nanostructured lipid carriers accumulate in atherosclerotic plaques of ApoE ^{-/-} mice. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 25, 102157.	3.3	7

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55	Interobserver variability in the classification of congenital coronary abnormalities: A substudy of the anomalous connections of the coronary arteries registry. <i>Congenital Heart Disease</i> , 2017, 12, 726-732.	0.2	6
56	Epicardial adipose tissue volume is associated with left ventricular remodelling in calcific aortic valve stenosis. <i>Archives of Cardiovascular Diseases</i> , 2019, 112, 594-603.	1.6	6
57	Quantification of myocardial blood flow with dynamic SPECT acquisitions: ready for prime time?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 2170-2172.	6.4	5
58	Increased lung signal as a hint of COVID-19 infection on Tc-99m-sestamibi myocardial perfusion scintigraphy. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2384-2385.	2.1	5
59	Evaluation of non-stenotic carotid atherosclerotic plaques with combined FDG-PET imaging and CT angiography in patients with ischemic stroke of unknown origin. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 1329-1336.	2.1	5
60	Response by Mathieu et al to Letter Regarding Article, "Characterization of 18 F-Fluorodeoxyglucose Uptake Pattern in Noninfected Prosthetic Heart Valves". <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	3
61	New-generation CZT cameras: the future of infection imaging?. <i>European Heart Journal</i> , 2017, 38, 444-446.	2.2	3
62	Quantification of FDG uptake in patients with a suspicion of prosthetic valve endocarditis: Part of the problem or part of the solution?. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 2092-2095.	2.1	2
63	Could FDG-PET imaging play a role in the detection of progressing atherosclerosis in HIV-infected patients?. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 1266-1268.	2.1	2
64	Molecular imaging of free radicals for anthracycline-induced cardiotoxicity: See the burn?. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 226-229.	2.1	2
65	No pleotropic effects of linagliptin on atherosclerotic plaques: Case closed. <i>Atherosclerosis</i> , 2020, 305, 61-63.	0.8	2
66	Inflammation imaging to define vulnerable plaque or vulnerable patient. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 64, 21-34.	0.7	2
67	Imaging Atherosclerotic Plaques with MRI: Role of Contrast Agents. <i>Current Cardiovascular Imaging Reports</i> , 2013, 6, 76-88.	0.6	1
68	Can Imaging Improve Our Understanding of Cardiovascular Pathophysiology?. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, e004805.	2.6	1
69	What is This Image? 2017: Image 5 Result. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 360-362.	2.1	1
70	Fluoride imaging of atherosclerotic plaques: Moving from macro to microcalcifications?. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 1076-1078.	2.1	1
71	Can FDG-PET imaging play a role in guiding indications to endovascular treatments in patients presenting acute aortic syndromes?. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 642-644.	2.1	1
72	SPECT Imaging of Myocardial Viability. , 2022, , 110-119.		1

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73	Diagnosis and staging of cardiac masses: additional value of CMR with 18F-FDG-PET compared to CMR with CECT. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 2232-2241.	6.4	1
74	Turning the heart off: give it a second try?. Journal of Nuclear Cardiology, 2022, 29, 3263-3266.	2.1	1
75	Molecular imaging of carotid artery disease. , 2006, , 471-483.		0
76	Highlights of the 14th International Conference on Nuclear Cardiology and Cardiac Computed Tomography. European Heart Journal Cardiovascular Imaging, 2019, 21, 1-9.	1.2	0
77	Imaging cardiac sarcoidosis with FDG-PET: Take a look at the right side!. Journal of Nuclear Cardiology, 2020, 27, 2144-2148.	2.1	0
78	Correlation of ¹⁸ F-NaF Activity With Progression of Macrocalcification. Circulation: Cardiovascular Imaging, 2020, 13, e012095.	2.6	0