

Yoann Petibon

List of Publications by Year in descending order

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papers

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840776
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26
all docs

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docs citations

26
times ranked

490
citing authors

#	ARTICLE	IF	CITATIONS
1	Bias Atlases for Segmentation-Based PET Attenuation Correction Using PET-CT and MR. IEEE Transactions on Nuclear Science, 2013, 60, 3373-3382.	2.0	42
2	Quantitative PET in the 2020s: a roadmap. Physics in Medicine and Biology, 2021, 66, 06RM01.	3.0	36
3	Relative role of motion and PSF compensation in whole-body oncologic PET-MR imaging. Medical Physics, 2014, 41, 042503.	3.0	35
4	Accelerated acquisition of tagged MRI for cardiac motion correction in simultaneous PET-MR: Phantom and patient studies. Medical Physics, 2015, 42, 1087-1097.	3.0	34
5	Motion compensation for brain PET imaging using wireless MR active markers in simultaneous PET-MR: Phantom and non-human primate studies. NeuroImage, 2014, 91, 129-137.	4.2	33
6	Impact of motion and partial volume effects correction on PET myocardial perfusion imaging using simultaneous PET-MR. Physics in Medicine and Biology, 2017, 62, 326-343.	3.0	31
7	MR-based motion correction for PET imaging using wired active MR microcoils in simultaneous PET-MR: Phantom study. Medical Physics, 2014, 41, 041910.	3.0	28
8	In vivo imaging of mGlu5 receptor expression in humans with Fragile X Syndrome towards development of a potential biomarker. Scientific Reports, 2021, 11, 15897.	3.3	17
9	In vivo quantitative mapping of human mitochondrial cardiac membrane potential: a feasibility study. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 414-420.	6.4	16
10	Body motion detection and correction in cardiac PET: Phantom and human studies. Medical Physics, 2019, 46, 4898-4906.	3.0	14
11	MR-based PET attenuation correction using a combined ultrashort echo time/multi-echo Dixon acquisition. Medical Physics, 2020, 47, 3064-3077.	3.0	12
12	Motion correction for PET data using subspace-based real-time MR imaging in simultaneous PET/MR. Physics in Medicine and Biology, 2020, 65, 235022.	3.0	11
13	Direct parametric reconstruction in dynamic PET myocardial perfusion imaging: in vivo studies. Physics in Medicine and Biology, 2017, 62, 3539-3565.	3.0	9
14	Quantification of Myocardial Mitochondrial Membrane Potential Using PET. Current Cardiology Reports, 2021, 23, 70.	2.9	9
15	Respiratory motion compensation in simultaneous PET/MR using a maximum a posteriori approach. , 2013, , .		8
16	In vivo quantification of mitochondrial membrane potential. Nature, 2020, 583, E17-E18.	27.8	8
17	Quantitative simultaneous positron emission tomography and magnetic resonance imaging. Journal of Medical Imaging, 2014, 1, 033502.	1.5	7
18	PET imaging of mitochondrial function in acute doxorubicin-induced cardiotoxicity: a proof-of-principle study. Scientific Reports, 2022, 12, 6122.	3.3	7

#	ARTICLE	IF	CITATIONS
19	In-vivo Imaging of Mitochondrial Depolarization of Myocardium With Positron Emission Tomography and a Proton Gradient Uncoupler. <i>Frontiers in Physiology</i> , 2020, 11, 491.	2.8	5
20	Spatially varying regularization for motion compensated PET reconstruction. , 2012, , .		4
21	MR-based motion correction for cardiac PET parametric imaging: a simulation study. <i>EJNMMI Physics</i> , 2018, 5, 3.	2.7	4
22	4D numerical observer for lesion detection in respiratory-gated PET. <i>Medical Physics</i> , 2014, 41, 102504.	3.0	3
23	Detecting lumbar lesions in ^{99m}Tc -MDP SPECT by deep learning: Comparison with physicians. <i>Medical Physics</i> , 2021, 48, 4249-4261.	3.0	3
24	PET imaging of neurotransmission using direct parametric reconstruction. <i>NeuroImage</i> , 2020, 221, 117154.	4.2	1
25	OUP accepted manuscript. <i>Brain</i> , 2022, , .	7.6	1
26	Joint Direct Parametric Reconstruction for Pet Receptor Occupancy Mapping. , 2020, , .		0