

Gaetan Van Simaeys

List of Publications by Year in descending order

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33
papers

1,014
citations

567281

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h-index

434195

31
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all docs

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docs citations

33
times ranked

1502
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Demonstration of the Fermi-Pasta-Ulam Recurrence in a Modulationally Unstable Optical Wave. <i>Physical Review Letters</i> , 2001, 87, 033902.	7.8	185
2	Imaging infection with ¹⁸ F-FDG-labeled leukocyte PET/CT: initial experience in 21 patients. <i>Journal of Nuclear Medicine</i> , 2006, 47, 625-32.	5.0	118
3	Tristetraprolin regulation of interleukin 23 mRNA stability prevents a spontaneous inflammatory disease. <i>Journal of Experimental Medicine</i> , 2013, 210, 1675-1684.	8.5	98
4	Myoferlin regulates cellular lipid metabolism and promotes metastases in triple-negative breast cancer. <i>Oncogene</i> , 2017, 36, 2116-2130.	5.9	65
5	Murine stroma adopts a human-like metabolic phenotype in the PDX model of colorectal cancer and liver metastases. <i>Oncogene</i> , 2018, 37, 1237-1250.	5.9	59
6	Non-Gaussian space-variant resolution modelling for list-mode reconstruction. <i>Physics in Medicine and Biology</i> , 2010, 55, 5045-5066.	3.0	52
7	Experimental study of the reversible behavior of modulational instability in optical fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 477.	2.1	46
8	Accurate preoperative localization of pathological parathyroid glands using ¹¹ C-methionine PET/CT. <i>Contrast Media and Molecular Imaging</i> , 2008, 3, 157-163.	0.8	46
9	PET/CT with ¹⁸ F-FDG and ¹⁸ F-FBEM-Labeled Leukocytes for Metabolic Activity and Leukocyte Recruitment Monitoring in a Mouse Model of Pulmonary Fibrosis. <i>Journal of Nuclear Medicine</i> , 2015, 56, 127-132.	5.0	45
10	Metastatic colorectal cancer cells maintain the TGF β 2 program and use TGFBI to fuel angiogenesis. <i>Theranostics</i> , 2021, 11, 1626-1640.	10.0	45
11	Tristetraprolin expression by keratinocytes controls local and systemic inflammation. <i>JCI Insight</i> , 2017, 2, .	5.0	42
12	Absence of early metabolic response assessed by ¹⁸ F-FDG PET/CT after initiation of antifibrotic drugs in IPF patients. <i>Respiratory Research</i> , 2019, 20, 10.	3.6	38
13	Feeding and Stocking Up: Radio-Labelled Food Reveals Exchange Patterns in Ants. <i>PLoS ONE</i> , 2009, 4, e5919.	2.5	30
14	Observation of Resonance Soliton Trapping due to a Photoinduced Gap in Wave Number. <i>Physical Review Letters</i> , 2004, 92, 223902.	7.8	21
15	Long-Term In Vivo Monitoring of Adult-Derived Human Liver Stem/Progenitor Cells by Bioluminescence Imaging, Positron Emission Tomography, and Contrast-Enhanced Computed Tomography. <i>Stem Cells and Development</i> , 2017, 26, 986-1002.	2.1	16
16	¹⁸ F-fluorocholine PET/CT is more sensitive than ¹¹ C-methionine PET/CT for the localization of hyperfunctioning parathyroid tissue in primary hyperparathyroidism. <i>Journal of Nuclear Medicine</i> , 2021, , jnumed.121.262395.	5.0	13
17	Three-dimensional Gaussian model to define brain metastasis limits on ¹¹ C-methionine PET. <i>Radiotherapy and Oncology</i> , 2008, 89, 270-277.	0.6	11
18	Mucolytic Agents Can Enhance HER2 Receptor Accessibility for [⁸⁹ Zr]Trastuzumab, Improving HER2 Imaging in a Mucin-Overexpressing Breast Cancer Xenograft Mouse Model. <i>Molecular Imaging and Biology</i> , 2015, 17, 697-703.	2.6	11

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19	N-Acetylcysteine breaks resistance to trastuzumab caused by MUC4 overexpression in human HER2 positive BC-bearing nude mice monitored by 89Zr-Trastuzumab and 18F-FDG PET imaging. <i>Oncotarget</i> , 2017, 8, 56185-56198.	1.8	11
20	3D super-resolved in vitro multiphoton microscopy by saturation of excitation. <i>Optics Express</i> , 2015, 23, 22667.	3.4	10
21	Voxelwise Principal Component Analysis of Dynamic [S-Methyl-11C]Methionine PET Data in Glioma Patients. <i>Cancers</i> , 2021, 13, 2342.	3.7	10
22	[¹⁸ F]â€¢BEM, a tracer targeting cellâ€¢surface protein thiols for cell trafficking imaging. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 409-416.	0.8	9
23	Assessment of 18F-FDG uptake in idiopathic pulmonary fibrosis: influence of lung density changes. <i>European Journal of Hybrid Imaging</i> , 2018, 2, .	1.5	8
24	A Handcrafted Radiomics-Based Model for the Diagnosis of Usual Interstitial Pneumonia in Patients with Idiopathic Pulmonary Fibrosis. <i>Journal of Personalized Medicine</i> , 2022, 12, 373.	2.5	6
25	Clinical experience with 18F-JK-PSMA-7 when using a digital PET/CT. <i>European Journal of Hybrid Imaging</i> , 2022, 6, 6.	1.5	5
26	Preclinical evaluation of [18F]cabozantinib as a PET imaging agent in a prostate cancer mouse model. <i>Nuclear Medicine and Biology</i> , 2021, 93, 74-80.	0.6	3
27	Initial Condition Assessment for Reaction-Diffusion Glioma Growth Models: A Translational MRI-Histology (In)Validation Study. <i>Tomography</i> , 2021, 7, 650-674.	1.8	3
28	The metabolic clinical risk score as a new prognostic model for surgical decisionâ€¢making in patients with colorectal liver metastases. <i>Journal of Surgical Oncology</i> , 2020, 121, 350-356.	1.7	2
29	[18F]JK-PSMA-7 and [18F]-FDG tumour PET uptake in treated xenograft human prostate cancer model in mice. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1773-1784.	6.4	2
30	Deep Learning for Reaction-Diffusion Glioma Growth Modeling: Towards a Fully Personalized Model?. <i>Cancers</i> , 2022, 14, 2530.	3.7	2
31	Nicotine does not compromise resting myocardial blood flow autoregulation in smokers at high cardiovascular risk. <i>Nicotine and Tobacco Research</i> , 2008, 10, 1131-1137.	2.6	1
32	Dynamic Molecular Imaging for Hepatic Function Assessment in Mice: Evaluation in Endotoxin-Induced and Warm Ischemia-Reperfusion Models of Acute Liver Failure. <i>Journal of Liver</i> , 2015, 04, .	0.3	1
33	P14.98 Improving the targeting of Gamma-Knife radiosurgery for recurrent high-grade gliomas (WHO) Tj ETQq1 1 0,784314 rgBT /Overl	1.2	1