

Fabien Chauveau

List of Publications by Year in descending order

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52
papers

1,622
citations

394421

19
h-index

302126

39
g-index

56
all docs

56
docs citations

56
times ranked

2440
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear imaging of neuroinflammation: a comprehensive review of [¹¹ C]PK11195 challengers. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 2304-2319.	6.4	359
2	Comparative Evaluation of the Translocator Protein Radioligands [¹¹ C]DPA-713, [¹⁸ F]DPA-714, and [¹¹ C]PK11195 in a Rat Model of Acute Neuroinflammation. <i>Journal of Nuclear Medicine</i> , 2009, 50, 468-476.	5.0	208
3	[¹¹ C]-DPA-713: A Novel Peripheral Benzodiazepine Receptor PET Ligand for In Vivo Imaging of Neuroinflammation. <i>Journal of Nuclear Medicine</i> , 2007, 48, 573-581.	5.0	137
4	In vivo imaging of neuroinflammation: a comparative study between [¹⁸ F]PBR111, [¹¹ C]CLINME and [¹¹ C]PK11195 in an acute rodent model. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 962-972.	6.4	67
5	<i>In vivo</i> imaging of brain lesions with [¹¹ C]CLINME, a new PET radioligand of peripheral benzodiazepine receptors. <i>Glia</i> , 2007, 55, 1459-1468.	4.9	60
6	In vivo imaging of neuroinflammation in the rodent brain with [¹¹ C]SSR180575, a novel indoleacetamide radioligand of the translocator protein (18 kDa). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 509-514.	6.4	51
7	Cyclosporine in acute ischemic stroke. <i>Neurology</i> , 2015, 84, 2216-2223.	1.1	49
8	In Vitro and In Vivo Models of Cerebral Ischemia Show Discrepancy in Therapeutic Effects of M2 Macrophages. <i>PLoS ONE</i> , 2013, 8, e67063.	2.5	43
9	In Silico, in Vitro, and in Vivo Evaluation of New Candidates for β -Synuclein PET Imaging. <i>Molecular Pharmaceutics</i> , 2018, 15, 3153-3166.	4.6	40
10	Synchrotron Radiation X-Ray Phase Micro-computed Tomography as a New Method to Detect Iron Oxide Nanoparticles in the Brain. <i>Molecular Imaging and Biology</i> , 2013, 15, 552-559.	2.6	39
11	Clinical Imaging of Choroid Plexus in Health and in Brain Disorders: A Mini-Review. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 34.	2.9	33
12	Brain-Targeting Form of Docosahexaenoic Acid for Experimental Stroke Treatment: MRI Evaluation and Anti-Oxidant Impact. <i>Current Neurovascular Research</i> , 2011, 8, 95-102.	1.1	31
13	Quantitative effects of cell internalization of two types of ultrasmall superparamagnetic iron oxide nanoparticles at 4.7 T and 7 T. <i>European Radiology</i> , 2010, 20, 275-285.	4.5	28
14	Pre- and Post-treatment with Cyclosporine a in a Rat Model of Transient Focal Cerebral Ischaemia with Multimodal MRI Screening. <i>International Journal of Stroke</i> , 2013, 8, 669-674.	5.9	24
15	Differential effects of amyloid-beta β 40 and β 42 fibrils on 5-HT 1A serotonin receptors in rat brain. <i>Neurobiology of Aging</i> , 2016, 40, 11-21.	3.1	24
16	Have (R)-[¹¹ C]PK11195 challengers fulfilled the promise? A scoping review of clinical TSPO PET studies. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 49, 201-220.	6.4	23
17	Radiosynthesis of 2-[6-chloro-2-(4-iodophenyl)imidazo[1,2-a]pyridin-3-yl]-N-ethyl-N-[¹¹ C]methyl-acetamide, [¹¹ C]CLINME, a novel radioligand for imaging the peripheral benzodiazepine receptors with PET. <i>Journal of Labelled Compounds and Radiopharmaceutics</i> . 2007, 50, 229-236.	1.0	21
18	Imaging inflammation in stroke using magnetic resonance imaging. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , 2010, 48, 718-728.	0.6	21

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19	Quantification of Iron-Labeled Cells with Positive Contrast in Mouse Brains. <i>Molecular Imaging and Biology</i> , 2011, 13, 672-678.	2.6	20
20	Cerebral collateral flow defines topography and evolution of molecular penumbra in experimental ischemic stroke. <i>Neurobiology of Disease</i> , 2015, 74, 305-313.	4.4	20
21	Monitoring therapeutic effects in experimental stroke by serial USPIO-enhanced MRI. <i>European Radiology</i> , 2013, 23, 37-47.	4.5	19
22	MRI coupled with clinically-applicable iron oxide nanoparticles reveals choroid plexus involvement in a murine model of neuroinflammation. <i>Scientific Reports</i> , 2019, 9, 10046.	3.3	19
23	Multi-site laser Doppler flowmetry for assessing collateral flow in experimental ischemic stroke: Validation of outcome prediction with acute MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2159-2170.	4.3	17
24	Magnetic Resonance Elastography of Rodent Brain. <i>Frontiers in Neurology</i> , 2018, 9, 1010.	2.4	17
25	Radiosynthesis of ¹¹ C-methylated 3,5-dihydro-4H-pyridazin-6(1H)-one derivatives: synthesis of [sup>11C]SSR180575, a novel radioligand for imaging the TSPO (peripheral benzodiazepine) receptor. <i>Journal of Nuclear Medicine</i> , 2016, 57, 167-174.	1.0	16
26	Spontaneous Reperfusion after In Situ Thromboembolic Stroke in Mice. <i>PLoS ONE</i> , 2012, 7, e50083.	2.5	15
27	Magnetic resonance imaging biomarkers of exercise-induced improvement of oxidative stress and inflammation in the brain of old high-fat fed ApoE ^{-/-} mice. <i>Journal of Physiology</i> , 2016, 594, 6969-6985.	2.9	15
28	Neuroprotection by remote ischemic conditioning in the setting of acute ischemic stroke: a preclinical two-centre study. <i>Scientific Reports</i> , 2020, 10, 16874.	3.3	15
29	Exercise Does Not Protect against Peripheral and Central Effects of a High Cholesterol Diet Given Ad libitum in Old ApoE ^{-/-} Mice. <i>Frontiers in Physiology</i> , 2016, 7, 453.	2.8	14
30	In vivo MRI assessment of permanent middle cerebral artery occlusion by electrocoagulation: pitfalls of procedure. <i>Experimental & Translational Stroke Medicine</i> , 2010, 2, 4.	3.2	13
31	Binding of the PET Radiotracer [¹⁸ F]BF227 Does not Reflect the Presence of Alpha-Synuclein Aggregates in Transgenic Mice. <i>Current Alzheimer Research</i> , 2014, 11, 955-960.	1.4	13
32	Binding of an aptamer to the N-terminal fragment of VCAM-1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6119-6122.	2.2	12
33	MRI assessment of the intra-carotid route for macrophage delivery after transient cerebral ischemia. <i>NMR in Biomedicine</i> , 2013, 26, 115-123.	2.8	12
34	The apparent mechanical effect of isolated amyloid β and τ aggregates revealed by multi-frequency MRE. <i>NMR in Biomedicine</i> , 2020, 33, e4174.	2.8	12
35	Multimodal Imaging with NanoGd Reveals Spatiotemporal Features of Neuroinflammation after Experimental Stroke. <i>Advanced Science</i> , 2021, 8, e2101433.	11.2	12
36	Effects of a TAFI-Inhibitor Combined with a Suboptimal Dose of rtPA in a Murine Thromboembolic Model of Stroke. <i>Cerebrovascular Diseases</i> , 2014, 38, 268-275.	1.7	11

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37	Amyloid-Beta Radiotracer [18F]BF-227 Does Not Bind to Cytoplasmic Glial Inclusions of Postmortem Multiple System Atrophy Brain Tissue. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-7.	0.8	11
38	18F-florbetapir PET/MRI for quantitatively monitoring myelin loss and recovery in patients with multiple sclerosis: A longitudinal study. <i>EclinicalMedicine</i> , 2021, 37, 100982.	7.1	10
39	Brain virtual histology with X-ray phase-contrast tomography Part II: 3D morphologies of amyloid- β^2 plaques in Alzheimer's disease models. <i>Biomedical Optics Express</i> , 2022, 13, 1640.	2.9	9
40	Improved Neuroprotection Provided by Drug Combination in Neurons Exposed to Cell-Derived Soluble Amyloid- β^2 Peptide. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 975-987.	2.6	8
41	Ferritin surplus in mouse spleen 14 months after intravenous injection of iron oxide nanoparticles at clinical dose. <i>Nano Research</i> , 2016, 9, 2398-2410.	10.4	8
42	Brain virtual histology with X-ray phase-contrast tomography Part I: whole-brain myelin mapping in white-matter injury models. <i>Biomedical Optics Express</i> , 2022, 13, 1620.	2.9	8
43	Does Acute Behavioral Testing Reflect Successful Ischemia in Rats with Transient Middle Cerebral Artery Occlusion?. <i>International Journal of Stroke</i> , 2012, 7, 465-472.	5.9	7
44	Evaluation of Myelin Radiotracers in the Lysolecithin Rat Model of Focal Demyelination: Beware of Pitfalls!. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-10.	0.8	7
45	Spatiotemporal characterization of brain infarction by sequential multimodal MR imaging following transient focal ischemia in a Rat model of intra-arterial middle cerebral artery occlusion. <i>European Radiology</i> , 2016, 26, 4505-4514.	4.5	5
46	Effect of Cyclosporine on Lesion Growth and Infarct Size within the White and Gray Matter. <i>Frontiers in Neurology</i> , 2017, 8, 151.	2.4	3
47	Change in Expression of 5-HT6 Receptor at Different Stages of Alzheimer's Disease: A Postmortem Study with the PET Radiopharmaceutical [18F]2FNQ1P. <i>Journal of Alzheimer's Disease</i> , 2020, 75, 1329-1338.	2.6	1
48	MRI Assessment of Post-Ischemic Neuroinflammation in Stroke: Experimental and Clinical Studies. , 0, , .		1
49	Neurofunctional and neuroimaging readouts for designing a preclinical stem-cell therapy trial in experimental stroke. <i>Scientific Reports</i> , 2022, 12, 4700.	3.3	1
50	Charge detection mass spectrometry on human-amplified fibrils from different synucleinopathies. <i>Chemical Communications</i> , 2022, 58, 7192-7195.	4.1	1
51	Suivi par IRM de macrophages marqués et étude de la biotransformation cellulaire de l'agent de contraste. <i>Irbm</i> , 2011, 32, 126-129.	5.6	0
52	Abstract P752: Neuroprotection by Remote Ischemic Conditioning in the Setting of Acute Ischemic Stroke: A Preclinical Two-Centre International Study. <i>Stroke</i> , 2021, 52, .	2.0	0