

Johnny Vercouillie

List of Publications by Year in descending order

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58
papers

1,252
citations

430874

18
h-index

377865

34
g-index

61
all docs

61
docs citations

61
times ranked

2030
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging of dopamine transporter with [18F]LBT-999: initial evaluation in healthy volunteers. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2022, 66, .	0.7	5
2	Synthesis of $\hat{1}^3$ -carboline N-oxide under gold(I)-catalysis and C-1 amino and fluoro $\hat{1}^3$ -carboline. Tetrahedron, 2021, , 132154.	1.9	1
3	[¹⁸ F]labeled positron emission tomography ligand for the histamine H4 receptor. Journal of Labelled Compounds and Radiopharmaceuticals, 2021, 64, 363-372.	1.0	0
4	Study of influence of the glutamatergic concentration of [18F]FPEB binding to metabotropic glutamate receptor subtype 5 with N-acetylcysteine challenge in rats and SRM/PET study in human healthy volunteers. Translational Psychiatry, 2021, 11, 66.	4.8	6
5	Prodromal neuroinflammatory, cholinergic and metabolite dysfunction detected by PET and MRS in the TgF344-AD transgenic rat model of AD: a collaborative multi-modal study. Theranostics, 2021, 11, 6644-6667.	10.0	42
6	Longitudinal PET Imaging of $\hat{1}^7$ Nicotinic Acetylcholine Receptors with [18F]ASEM in a Rat Model of Parkinson's Disease. Molecular Imaging and Biology, 2020, 22, 348-357.	2.6	11
7	Usefulness of PET With [18F]LBT-999 for the Evaluation of Presynaptic Dopaminergic Neuronal Loss in a Clinical Environment. Frontiers in Neurology, 2020, 11, 754.	2.4	6
8	Training the next generation of radiopharmaceutical scientists. Nuclear Medicine and Biology, 2020, 88-89, 10-13.	0.6	7
9	Fully automated radiosynthesis of [18F]LBT999 on TRACERlab FXFN and AllinOne modules, a PET radiopharmaceutical for imaging the dopamine transporter in human brain. EJNMMI Radiopharmacy and Chemistry, 2020, 5, 26.	3.9	2
10	Bis(het)aryl-1,2,3-triazole quinuclidines as $\hat{1}^7$ nicotinic acetylcholine receptor ligands: Synthesis, structure affinity relationships, agonism activity, [18F]-radiolabeling and PET study in rats. European Journal of Medicinal Chemistry, 2019, 179, 449-469.	5.5	4
11	The Story of the Dopamine Transporter PET Tracer LBT-999: From Conception to Clinical Use. Frontiers in Medicine, 2019, 6, 90.	2.6	13
12	Design of selective COX-2 inhibitors in the (aza)indazole series. Chemistry, <i>in vitro</i> studies, radiochemistry and evaluations in rats of a [¹⁸ F] PET tracer. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1-7.	5.2	24
13	Extensive exploration of a novel rat model of Parkinson's disease using partial 6-hydroxydopamine lesion of dopaminergic neurons suggests new therapeutic approaches. Synapse, 2019, 73, e22077.	1.2	11
14	Amyloid PET Positivity in Different Primary Progressive Aphasia Phenotypes. Clinical Nuclear Medicine, 2018, 43, e103-e108.	1.3	3
15	Identification of new molecular targets for PET imaging of the microglial anti-inflammatory activation state. Theranostics, 2018, 8, 5400-5418.	10.0	48
16	Abstract 1875A: Preclinical proof of concept for the first Nanocyclix TKI-PET radiotracer targeting activated EGFR positive lung tumors. , 2017, , .		4
17	Detection of Neuroinflammation in a Rat Model of Subarachnoid Hemorrhage Using [18F]DPA-714 PET Imaging. Molecular Imaging, 2016, 15, 153601211663918.	1.4	15
18	Tandem Silver-Catalyzed Cyclization/Nucleophilic Functionalization of 2-Alkynylindole-3-carbaldehyde Oximes to Afford New 2,4-Disubstituted $\hat{1}^3$ -Carbolines. European Journal of Organic Chemistry, 2016, 2016, 5024-5036.	2.4	9

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19	Guidelines to PET measurements of the target occupancy in the brain for drug development. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 2255-2262.	6.4	28
20	Radiopharmaceuticals for PET imaging of neuroinflammation. <i>Medecine Nucleaire</i> , 2016, 40, 72-81.	0.2	5
21	Design of $\alpha 7$ nicotinic acetylcholine receptor ligands using the (het)Aryl-1,2,3-triazole core: Synthesis, in vitro evaluation and SAR studies. <i>European Journal of Medicinal Chemistry</i> , 2016, 107, 153-164.	5.5	11
22	Assessment of the Protection of Dopaminergic Neurons by an $\alpha 7$ Nicotinic Receptor Agonist, PHA 543613 Using [18F]LBT-999 in a Parkinson's Disease Rat Model. <i>Frontiers in Medicine</i> , 2015, 2, 61.	2.6	25
23	Precuneus and Cingulate Cortex Atrophy and Hypometabolism in Patients with Alzheimer's Disease and Mild Cognitive Impairment: MRI and ¹⁸ F-FDG PET Quantitative Analysis Using FreeSurfer. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	90
24	Amyloid load and translocator protein 18kDa in APPswePS1-dE9 mice: a longitudinal study. <i>Neurobiology of Aging</i> , 2015, 36, 1639-1652.	3.1	43
25	¹⁸ F-FDG and ¹⁸ F-Florbetapir PET in Clinical Practice. <i>Clinical Nuclear Medicine</i> , 2015, 40, e111-e116.	1.3	17
26	PET tracers for imaging brain $\alpha 7$ nicotinic receptors: an update. <i>Chemical Communications</i> , 2015, 51, 14826-14831.	4.1	12
27	Design of $\alpha 7$ nicotinic acetylcholine receptor ligands in quinuclidine, tropane and quinazoline series. Chemistry, molecular modeling, radiochemistry, in vitro and in rats evaluations of a [18F] quinuclidine derivative. <i>European Journal of Medicinal Chemistry</i> , 2014, 82, 214-224.	5.5	18
28	In vivo PET quantification of the dopamine transporter in rat brain with [18F]LBT-999. <i>Nuclear Medicine and Biology</i> , 2014, 41, 106-113.	0.6	14
29	Sulfur-Carbon Bond Formation through Ring-Opening of Triazolothiadiazole with Organometallics. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3225-3231.	2.4	10
30	EANM guideline for the preparation of an Investigational Medicinal Product Dossier (IMPD). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 2175-2185.	6.4	31
31	Could ¹⁸ F-DPA-714 PET imaging be interesting to use in the early post-stroke period?. <i>EJNMMI Research</i> , 2014, 4, 28.	2.5	40
32	The Pattern of Brain Amyloid Load in Posterior Cortical Atrophy Using ¹⁸ F-AV45: Is Amyloid the Principal Actor in the Disease. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2014, 4, 431-441.	1.3	10
33	Distribution physiologique c�r�brale et corps entier du ¹⁸ F-DPA-714 en TEP/TDM. <i>Medecine Nucleaire</i> , 2013, 37, 44-51.	0.2	0
34	Aromatic fluoro-de-triazonation with boron trifluoride diethyl etherate under non-protic acid conditions. <i>Journal of Fluorine Chemistry</i> , 2013, 147, 5-9.	1.7	14
35	Brain [18F]FDDNP Binding and Glucose Metabolism in Advanced Elderly Healthy Subjects and Alzheimer's Disease Patients. <i>Journal of Alzheimer's Disease</i> , 2013, 36, 311-320.	2.6	20
36	Delivery of dopamine transporter tracer (PE21) through blood brain barrier with ultrasound and microbubbles. , 2012, , .		0

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37	Initial evaluation in healthy humans of [18F]DPA-714, a potential PET biomarker for neuroinflammation. <i>Nuclear Medicine and Biology</i> , 2012, 39, 570-578.	0.6	115
38	Développement de radiotraceurs pour l'imagerie moléculaire du microenvironnement matriciel tumoral (HIMIMT). <i>Irmb</i> , 2012, 33, 86-91.	5.6	1
39	Using PET with 18F-AV-45 (florbetapir) to quantify brain amyloid load in a clinical environment. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 621-631.	6.4	208
40	Imaging of the Striatal and Extrastriatal Dopamine Transporter with ¹⁸ F-LBT-999: Quantification, Biodistribution, and Radiation Dosimetry in Nonhuman Primates. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1313-1321.	5.0	19
41	Automated production of [¹⁸ F]FDDNP using a TRACERlab MX _{FDG} . <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2010, 53, 208-212.	1.0	3
42	Quantification of [18F]LBT-999 binding to the dopamine transporter in the rhesus monkey brain with the HRRT system. <i>NeuroImage</i> , 2010, 52, S118-S119.	4.2	0
43	Neuroimaging of the vesicular acetylcholine transporter by a novel 4-[18F]fluoro-benzoyl derivative of 7-hydroxy-6-(4-phenyl-piperidin-1-yl)-octahydro-benzo[1,4]oxazines. <i>Nuclear Medicine and Biology</i> , 2009, 36, 17-27.	0.6	27
44	Synthesis and in vitro evaluation of new diphenyl ether derivatives as serotonin transporter ligands. <i>Science in China Series B: Chemistry</i> , 2008, 51, 457-463.	0.8	0
45	Docking study, synthesis, and in vitro evaluation of fluoro-MADAM derivatives as SERT ligands for PET imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 9050-9055.	3.0	7
46	Avancée de l'imagerie moléculaire dans la maladie d'Alzheimer. <i>Medecine Nucleaire</i> , 2007, 31, 486-489.	0.2	0
47	New fluoro-diphenylchalcogen derivatives to explore the serotonin transporter by PET. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 4991-4995.	2.2	4
48	Synthesis and in vitro evaluation of novel derivatives of diphenylsulfide as serotonin transporter ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 1297-1300.	2.2	12
49	Synthesis of 1-Tetralone Derivatives Using a Stille Cross Coupling/Friedel Crafts Acylation Sequence.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
50	[11C]MADAM, a new serotonin transporter radioligand characterized in the monkey brain by PET. <i>Synapse</i> , 2005, 58, 173-183.	1.2	56
51	ADAM is an effective tool for in vivo study of serotonergic function: Validation in rat models. <i>Synapse</i> , 2004, 52, 136-142.	1.2	11
52	Synthesis of 1-Tetralone Derivatives Using a Stille Cross Coupling/Friedel Crafts Acylation Sequence. <i>Synthetic Communications</i> , 2004, 34, 3751-3762.	2.1	6
53	Pharmacological Characterization of N,N-Dimethyl-2-(2-amino-4-methylphenyl thio)benzylamine as a Ligand of the Serotonin Transporter with High Affinity and Selectivity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 304, 81-87.	2.5	49
54	Substituted Diphenyl Sulfides as Selective Serotonin Transporter Ligands: Synthesis and In Vitro Evaluation. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 1253-1258.	6.4	33

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55	Synthesis of Tropane and Nortropane Analogues with Phenyl Substitutions as Serotonin Transporter Ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 1849-1855.	3.0	12
56	Precursor synthesis and radiolabelling of [11C]ADAM: a potential radioligand for the serotonin transporter exploration by PET. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2001, 44, 113-120.	1.0	27
57	Carbon-11 labelling of MADAM in two different positions: a highly selective PET radioligand for the serotonin transporter. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2001, 44, 1013-1023.	1.0	61
58	Synthesis of [11C]2?-carbomethoxy-3?-(3?-iodo-4?-methyl, -ethyl and isopropyl phenyl)nortropane as potential radiotracers for examination of the serotonin transporter with positron emission tomography. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2000, 43, 1033-1046.	1.0	1