

Aren van Waarde

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,519
citations

361296

20
h-index

315616

38
g-index

67
all docs

67
docs citations

67
times ranked

2343
citing authors

#	ARTICLE	IF	CITATIONS
1	Selectivity of 18F-FLT and 18F-FDG for differentiating tumor from inflammation in a rodent model. <i>Journal of Nuclear Medicine</i> , 2004, 45, 695-700.	2.8	189
2	Potential applications for sigma receptor ligands in cancer diagnosis and therapy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2703-2714.	1.4	127
3	Evaluation of [11C]rofecoxib as PET tracer for cyclooxygenase 2 overexpression in rat models of inflammation. <i>Nuclear Medicine and Biology</i> , 2008, 35, 35-42.	0.3	115
4	Sigma Receptors in Oncology: Therapeutic and Diagnostic Applications of Sigma Ligands. <i>Current Pharmaceutical Design</i> , 2010, 16, 3519-3537.	0.9	96
5	The cholinergic system, sigma-1 receptors and cognition. <i>Behavioural Brain Research</i> , 2011, 221, 543-554.	1.2	78
6	Comparison of sigma-ligands and metabolic PET tracers for differentiating tumor from inflammation. <i>Journal of Nuclear Medicine</i> , 2006, 47, 150-4.	2.8	70
7	Arginase as a Potential Biomarker of Disease Progression: A Molecular Imaging Perspective. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5291.	1.8	66
8	Proliferation Markers for the Differential Diagnosis of Tumor and Inflammation. <i>Current Pharmaceutical Design</i> , 2008, 14, 3326-3339.	0.9	58
9	Pridopidine selectively occupies sigma-1 rather than dopamine D2 receptors at behaviorally active doses. <i>Psychopharmacology</i> , 2015, 232, 3443-3453.	1.5	55
10	Synthesis and Preclinical Evaluation of Novel PET Probes for P-Glycoprotein Function and Expression. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4524-4532.	2.9	52
11	Tumor imaging with 2 sigma-receptor ligands, 18F-FE-SA5845 and 11C-SA4503: a feasibility study. <i>Journal of Nuclear Medicine</i> , 2004, 45, 1939-45.	2.8	37
12	Potential Therapeutic Applications of Adenosine A _{2A} Receptor Ligands and Opportunities for A _{2A} Receptor Imaging. <i>Medicinal Research Reviews</i> , 2018, 38, 5-56.	5.0	35
13	PET Imaging of Beta-Adrenoceptors in Human Brain: A Realistic Goal or a Mirage?. <i>Current Pharmaceutical Design</i> , 2004, 10, 1519-1536.	0.9	35
14	Avenues to molecular imaging of dying cells: Focus on cancer. <i>Medicinal Research Reviews</i> , 2018, 38, 1713-1768.	5.0	30
15	Is cyclooxygenase-1 involved in neuroinflammation?. <i>Journal of Neuroscience Research</i> , 2021, 99, 2976-2998.	1.3	28
16	Dose-dependent sigma-1 receptor occupancy by donepezil in rat brain can be assessed with 11C-SA4503 and microPET. <i>Psychopharmacology</i> , 2014, 231, 3997-4006.	1.5	27
17	PET Agents in Dementia: An Overview. <i>Seminars in Nuclear Medicine</i> , 2021, 51, 196-229.	2.5	23
18	Hunting for the high-affinity state of G α protein-coupled receptors with agonist tracers: Theoretical and practical considerations for positron emission tomography imaging. <i>Medicinal Research Reviews</i> , 2019, 39, 1014-1052.	5.0	22

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19	P-glycoprotein Function in the Rodent Brain Displays a Daily Rhythm, a Quantitative In Vivo PET Study. <i>AAPS Journal</i> , 2016, 18, 1524-1531.	2.2	21
20	In vivo Binding Behavior of Dopamine Receptor Agonist (+)-PD 128907 and Implications for the "Ceiling Effect" in Endogenous Competition Studies with [¹¹ C]Raclopride: A Positron Emission Tomography Study in <i>Macaca mulatta</i> . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 531-535.	2.4	20
21	Rapid Reduction of α_1 -Receptor Binding and ¹⁸ F-FDG Uptake in Rat Gliomas After In Vivo Treatment with Doxorubicin. <i>Journal of Nuclear Medicine</i> , 2007, 48, 1320-1326.	2.8	20
22	Early response of sigma-receptor ligands and metabolic PET tracers to 3 forms of chemotherapy: an in vitro study in glioma cells. <i>Journal of Nuclear Medicine</i> , 2006, 47, 1538-45.	2.8	20
23	Synthesis and Evaluation of the Estrogen Receptor α -Selective Radioligand 2- ¹⁸ F-Fluoro-6-(6-Hydroxynaphthalen-2-yl)Pyridin-3-ol: Comparison with 16 β - ¹⁸ F-Fluoro-17 β -Estradiol. <i>Journal of Nuclear Medicine</i> , 2017, 58, 554-559.	2.8	19
24	Preclinical Evaluation and Quantification of ¹⁸ F-Fluoroethyl and ¹⁸ F-Fluoropropyl Analogs of SCH442416 as Radioligands for PET Imaging of the Adenosine A2A Receptor in Rat Brain. <i>Journal of Nuclear Medicine</i> , 2017, 58, 466-472.	2.8	18
25	A dual inhibitor of matrix metalloproteinases and a disintegrin and metalloproteinases, [¹⁸ F]FB-ML5, as a molecular probe for non-invasive MMP/ADAM-targeted imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 192-202.	1.4	17
26	Allosteric Interactions between Adenosine A2A and Dopamine D2 Receptors in Heteromeric Complexes: Biochemical and Pharmacological Characteristics, and Opportunities for PET Imaging. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1719.	1.8	17
27	Quantifying drug-related 5-HT _{1A} receptor occupancy with [¹⁸ F]MPPF. <i>Psychopharmacology</i> , 2001, 155, 193-197.	1.5	14
28	Pharmacokinetic Modeling of [¹⁸ F]MC225 for Quantification of the P-Glycoprotein Function at the Blood-Brain Barrier in Non-Human Primates with PET. <i>Molecular Pharmaceutics</i> , 2020, 17, 3477-3486.	2.3	14
29	Sigma-1 Agonist Binding in the Aging Rat Brain: a MicroPET Study with [¹¹ C]SA4503. <i>Molecular Imaging and Biology</i> , 2016, 18, 588-597.	1.3	11
30	In Vivo Induction of P-Glycoprotein Function can be Measured with [¹⁸ F]MC225 and PET. <i>Molecular Pharmaceutics</i> , 2021, 18, 3073-3085.	2.3	11
31	[¹¹ C]5-HTP and microPET are Not Suitable for Pharmacodynamic Studies in the Rodent Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 118-125.	2.4	10
32	In Vivo Evaluation of 1-O-(4-(2-Fluoroethyl-Carbamoyloxymethyl)-2-Nitrophenyl)-O- ¹²⁵ I-D-Glucopyronuronate: A Positron Emission Tomographic Tracer for Imaging β -Glucuronidase Activity in a Tumor/Inflammation Rodent Model. <i>Molecular Imaging</i> , 2012, 11, 7290.2011.00029.	0.7	9
33	Acute social defeat does not alter cerebral 5-HT _{2A} receptor binding in male Wistar rats. <i>Synapse</i> , 2014, 68, 379-386.	0.6	9
34	Cerebral adenosine A1 receptors are upregulated in rodent encephalitis. <i>NeuroImage</i> , 2014, 92, 83-89.	2.1	9
35	Serotonin-2C antagonism augments the effect of citalopram on serotonin and dopamine levels in the ventral tegmental area and nucleus accumbens. <i>Neurochemistry International</i> , 2015, 81, 10-15.	1.9	9
36	Synthesis and preliminary evaluation of (S)-[¹¹ C]-exaprolol, a novel β -adrenoceptor ligand for PET. <i>Neurochemistry International</i> , 2008, 52, 729-733.	1.9	8

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37	The Acute and Early Effects of Whole-Brain Irradiation on Glial Activation, Brain Metabolism, and Behavior: a Positron Emission Tomography Study. <i>Molecular Imaging and Biology</i> , 2020, 22, 1012-1020.	1.3	8
38	Test-Retest Repeatability of [¹⁸ F]MC225-PET in Rodents: A Tracer for Imaging of P-gp Function. <i>ACS Chemical Neuroscience</i> , 2020, 11, 648-658.	1.7	8
39	[¹⁸ F]Atorvastatin Pharmacokinetics and Biodistribution in Healthy Female and Male Rats. <i>Molecular Pharmaceutics</i> , 2021, 18, 3378-3386.	2.3	8
40	Cutamesine Overcomes REM Sleep Deprivation-Induced Memory Loss: Relationship to Sigma-1 Receptor Occupancy. <i>Molecular Imaging and Biology</i> , 2015, 17, 364-372.	1.3	7
41	Novel Approach to Repeated Arterial Blood Sampling in Small Animal PET: Application in a Test-Retest Study with the Adenosine A1 Receptor Ligand [¹¹ C]MPDX. <i>Molecular Imaging and Biology</i> , 2016, 18, 715-723.	1.3	7
42	PET Imaging with S-[¹¹ C]Methyl-L-Cysteine and L-[Methyl- ¹¹ C]Methionine in Rat Models of Glioma, Glioma Radiotherapy, and Neuroinflammation. <i>Molecular Imaging and Biology</i> , 2018, 20, 465-472.	1.3	7
43	Synthesis and Evaluation of ¹⁸ F-Enzalutamide, a New Radioligand for PET Imaging of Androgen Receptors: A Comparison with ¹⁶ β- ¹⁸ F-Fluoro-5α-Dihydrotestosterone. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1140-1145.	2.8	7
44	Dose-response assessment of cerebral P-glycoprotein inhibition in vivo with [¹⁸ F]MC225 and PET. <i>Journal of Controlled Release</i> , 2022, 347, 500-507.	4.8	7
45	In Vivo Quantification of ER ² Expression by Pharmacokinetic Modeling: Studies with ¹⁸ F-FHNP PET. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1743-1748.	2.8	6
46	Test-Retest Stability of Cerebral 2-Deoxy-2-[¹⁸ F]Fluoro-D-Glucose ([¹⁸ F]FDG) Positron Emission Tomography (PET) in Male and Female Rats. <i>Molecular Imaging and Biology</i> , 2019, 21, 240-248.	1.3	6
47	Head-to-head comparison of (R)-[¹¹ C]verapamil and [¹⁸ F]MC225 in non-human primates, tracers for measuring P-glycoprotein function. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 4307-4317.	3.3	6
48	Similar serotonin-2A receptor binding in rats with different coping styles or levels of aggression. <i>Synapse</i> , 2015, 69, 226-232.	0.6	5
49	MicroPET Evaluation of a Hydroxamate-Based MMP Inhibitor, [¹⁸ F]FB-ML5, in a Mouse Model of Cigarette Smoke-Induced Acute Airway Inflammation. <i>Molecular Imaging and Biology</i> , 2015, 17, 680-687.	1.3	5
50	Preclinical testing of N-[¹¹ C]-methyl-piperidin-4-yl 2-cyclohexyl-2-hydroxy-2-phenylacetate, a novel radioligand for detection of cerebral muscarinic receptors using PET. , 2000, 35, 62-67.		4
51	Altered Sigma-1 Receptor Expression in Two Animal Models of Cognitive Impairment. <i>Molecular Imaging and Biology</i> , 2015, 17, 231-238.	1.3	4
52	Comparison of In Vitro Assays in Selecting Radiotracers for In Vivo P-Glycoprotein PET Imaging. <i>Pharmaceutics</i> , 2017, 10, 76.	1.7	4
53	cerebral beta-adrenoceptors. <i>Nuclear Medicine and Biology</i> , 2014, 41, 203-209.	0.3	3
54	Effect of Dopamine D ₂ Receptor Antagonists on [¹⁸ F]-FEOBV Binding. <i>Molecular Pharmaceutics</i> , 2020, 17, 865-872.	2.3	3

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55	Mapping Arginase Expression with ¹⁸ F-Fluorinated Late-Generation Arginase Inhibitors Derived from Quaternary $\hat{\pm}$ -Amino Acids. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1163-1170.	2.8	3
56	Pharmacokinetic Modeling of (<i>R</i>)- ¹¹ C]verapamil to Measure the P-Glycoprotein Function in Nonhuman Primates. <i>Molecular Pharmaceutics</i> , 2021, 18, 416-428.	2.3	3
57	PET Imaging of Adenosine A ₁ Receptor Occupancy. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1918-1918.	2.8	2
58	Positron Emission Tomography (PET) Imaging of Opioid Receptors. , 2014, , 585-623.		2
59	Impact of an Adenosine A _{2A} Receptor Agonist and Antagonist on Binding of the Dopamine D ₂ Receptor Ligand [¹¹ C]raclopride in the Rodent Striatum. <i>Molecular Pharmaceutics</i> , 2022, 19, 2992-3001.	2.3	2
60	PET/CT Imaging and Physiology of Mice on High Protein Diet. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3236.	1.8	1
61	Pharmacokinetic Modeling of [¹¹ C]GSK-189254, PET Tracer Targeting H ₃ Receptors, in Rat Brain. <i>Molecular Pharmaceutics</i> , 2022, 19, 918-928.	2.3	1
62	On the role of Brain Imaging in drug development for psychiatry. <i>Current Clinical Pharmacology</i> , 2021, 16, 46-71.	0.2	0
63	Binding of the Dual-Action Anti-Parkinsonian Drug AG-0029 to Dopamine D ₂ and Histamine H ₃ Receptors: A PET Study in Healthy Rats. <i>Molecular Pharmaceutics</i> , 0, , .	2.3	0