

Jacob M Hooker

List of Publications by Year in descending order

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190
papers

9,779
citations

29994

54
h-index

45213

90
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206
all docs

206
docs citations

206
times ranked

12105
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Modafinil on Dopamine and Dopamine Transporters in the Male Human Brain. <i>JAMA - Journal of the American Medical Association</i> , 2009, 301, 1148.	3.8	466
2	A Fluoride-Derived Electrophilic Late-Stage Fluorination Reagent for PET Imaging. <i>Science</i> , 2011, 334, 639-642.	6.0	384
3	Evidence for brain glial activation in chronic pain patients. <i>Brain</i> , 2015, 138, 604-615.	3.7	372
4	Interior Surface Modification of Bacteriophage MS2. <i>Journal of the American Chemical Society</i> , 2004, 126, 3718-3719.	6.6	313
5	Nickel-Mediated Oxidative Fluorination for PET with Aqueous [¹⁸ F] Fluoride. <i>Journal of the American Chemical Society</i> , 2012, 134, 17456-17458.	6.6	260
6	Concerted nucleophilic aromatic substitution with ¹⁹ F ⁻ and ¹⁸ F ⁻ . <i>Nature</i> , 2016, 534, 369-373.	13.7	225
7	Late Stage Benzylic C-H Fluorination with [¹⁸ F]Fluoride for PET Imaging. <i>Journal of the American Chemical Society</i> , 2014, 136, 6842-6845.	6.6	206
8	Brain glial activation in fibromyalgia – A multi-site positron emission tomography investigation. <i>Brain, Behavior, and Immunity</i> , 2019, 75, 72-83.	2.0	186
9	Dual-Surface-Modified Bacteriophage MS2 as an Ideal Scaffold for a Viral Capsid-Based Drug Delivery System. <i>Bioconjugate Chemistry</i> , 2007, 18, 1140-1147.	1.8	184
10	Increased in vivo glial activation in patients with amyotrophic lateral sclerosis: Assessed with [¹¹ C]-PBR28. <i>NeuroImage: Clinical</i> , 2015, 7, 409-414.	1.4	176
11	High Relaxivity Gadolinium Hydroxypyridonate ⁻ Viral Capsid Conjugates: Nanosized MRI Contrast Agents ¹ . <i>Journal of the American Chemical Society</i> , 2008, 130, 2546-2552.	6.6	165
12	In Vivo Imaging of Human Neuroinflammation. <i>ACS Chemical Neuroscience</i> , 2016, 7, 470-483.	1.7	165
13	Neuroinflammatory component of gray matter pathology in multiple sclerosis. <i>Annals of Neurology</i> , 2016, 80, 776-790.	2.8	150
14	One-Pot, Direct Incorporation of [¹¹ C]CO ₂ into Carbamates. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3482-3485.	7.2	138
15	Magnetic Resonance Contrast Agents from Viral Capsid Shells: A Comparison of Exterior and Interior Cargo Strategies. <i>Nano Letters</i> , 2007, 7, 2207-2210.	4.5	135
16	Disruption of thalamic functional connectivity is a neural correlate of dexmedetomidine-induced unconsciousness. <i>ELife</i> , 2014, 3, e04499.	2.8	135
17	Targeted Fluorination with the Fluoride Ion by Manganese-Catalyzed Decarboxylation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5241-5245.	7.2	129
18	Dynamic functional imaging of brain glucose utilization using fPET-FDG. <i>NeuroImage</i> , 2014, 100, 192-199.	2.1	123

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19	Polyglucose nanoparticles with renal elimination and macrophage avidity facilitate PET imaging in ischaemic heart disease. <i>Nature Communications</i> , 2017, 8, 14064.	5.8	118
20	A Selective HDAC 1/2 Inhibitor Modulates Chromatin and Gene Expression in Brain and Alters Mouse Behavior in Two Mood-Related Tests. <i>PLoS ONE</i> , 2013, 8, e71323.	1.1	118
21	Neurovascular coupling to D2/D3 dopamine receptor occupancy using simultaneous PET/functional MRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11169-11174.	3.3	112
22	A Philosophy for CNS Radiotracer Design. <i>Accounts of Chemical Research</i> , 2014, 47, 3127-3134.	7.6	109
23	Neuroinflammation of the spinal cord and nerve roots in chronic radicular pain patients. <i>Pain</i> , 2018, 159, 968-977.	2.0	109
24	Brain-Penetrant LSD1 Inhibitors Can Block Memory Consolidation. <i>ACS Chemical Neuroscience</i> , 2012, 3, 120-128.	1.7	104
25	¹¹ C- α bonds made easily for positron emission tomography radiopharmaceuticals. <i>Chemical Society Reviews</i> , 2016, 45, 4708-4726.	18.7	98
26	Dopamine in the medial amygdala network mediates human bonding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2361-2366.	3.3	96
27	¹¹ C ₂ fixation: a renaissance in PET radiochemistry. <i>Chemical Communications</i> , 2013, 49, 5621.	2.2	92
28	Combination therapy: Histone deacetylase inhibitors and platinum-based chemotherapeutics for cancer. <i>Cancer Letters</i> , 2013, 329, 1-8.	3.2	87
29	Application of Palladium-Mediated ¹⁸ F-Fluorination to PET Radiotracer Development: Overcoming Hurdles to Translation. <i>PLoS ONE</i> , 2013, 8, e59187.	1.1	87
30	Histone Deacetylase Inhibitor MS-275 Exhibits Poor Brain Penetration: Pharmacokinetic Studies of [¹¹ C]MS-275 using Positron Emission Tomography. <i>ACS Chemical Neuroscience</i> , 2010, 1, 65-73.	1.7	85
31	Toward an immune-mediated subtype of autism spectrum disorder. <i>Brain Research</i> , 2015, 1617, 72-92.	1.1	84
32	Glial activation colocalizes with structural abnormalities in amyotrophic lateral sclerosis. <i>Neurology</i> , 2016, 87, 2554-2561.	1.5	83
33	Insights into neuroepigenetics through human histone deacetylase PET imaging. <i>Science Translational Medicine</i> , 2016, 8, 351ra106.	5.8	83
34	Imaging of neuroinflammation in migraine with aura. <i>Neurology</i> , 2019, 92, e2038-e2050.	1.5	83
35	Whole-body pharmacokinetics of HDAC inhibitor drugs, butyric acid, valproic acid and 4-phenylbutyric acid measured with carbon-11 labeled analogs by PET. <i>Nuclear Medicine and Biology</i> , 2013, 40, 912-918.	0.3	82
36	In Vivo Imaging of Histone Deacetylases (HDACs) in the Central Nervous System and Major Peripheral Organs. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7999-8009.	2.9	82

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37	Pharmacokinetics of the potent hallucinogen, salvinorin A in primates parallels the rapid onset and short duration of effects in humans. <i>NeuroImage</i> , 2008, 41, 1044-1050.	2.1	79
38	An Isochemogenic Set of Inhibitors To Define the Therapeutic Potential of Histone Deacetylases in β -Cell Protection. <i>ACS Chemical Biology</i> , 2016, 11, 363-374.	1.6	78
39	In vivo imaging of adult human hippocampal neurogenesis: progress, pitfalls and promise. <i>Molecular Psychiatry</i> , 2013, 18, 404-416.	4.1	77
40	Site-selective ^{18}F fluorination of unactivated C-H bonds mediated by a manganese porphyrin. <i>Chemical Science</i> , 2018, 9, 1168-1172.	3.7	76
41	Histone Deacetylase 6-Selective Inhibitors and the Influence of Capping Groups on Hydroxamate-Zinc Denticity. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8054-8060.	2.9	76
42	Integrated magnetic resonance imaging and ^{11}C -PBR28 positron emission tomographic imaging in amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 2018, 83, 1186-1197.	2.8	75
43	In Vivo Photoactivation Without "Light" Use of Cherenkov Radiation to Overcome the Penetration Limit of Light. <i>Molecular Imaging and Biology</i> , 2012, 14, 156-162.	1.3	74
44	A systematic review of molecular imaging (PET and SPECT) in autism spectrum disorder: Current state and future research opportunities. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 52, 56-73.	2.9	74
45	^{18}F -Deoxyfluorination of Phenols via Ru-Complexes. <i>ACS Central Science</i> , 2017, 3, 944-948.	5.3	74
46	Modification of Aniline Containing Proteins Using an Oxidative Coupling Strategy. <i>Journal of the American Chemical Society</i> , 2006, 128, 15558-15559.	6.6	73
47	Bridging the gaps in ^{18}F PET tracer development. <i>Nature Chemistry</i> , 2017, 9, 1-3.	6.6	71
48	Virtually Instantaneous, Room-Temperature ^{11}C -Cyanation Using Biaryl Phosphine Pd(0) Complexes. <i>Journal of the American Chemical Society</i> , 2015, 137, 648-651.	6.6	68
49	Radiosynthesis and Bioimaging of the Tuberculosis Chemotherapeutics Isoniazid, Rifampicin and Pyrazinamide in Baboons. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2882-2891.	2.9	66
50	Direct ^{11}C -Labeling of Unprotected Peptides via Palladium-Mediated Sequential Cross-Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2017, 139, 7152-7155.	6.6	65
51	Rapid Chemoselective Bioconjugation through Oxidative Coupling of Anilines and Aminophenols. <i>Journal of the American Chemical Society</i> , 2011, 133, 16398-16401.	6.6	60
52	Noninvasive Determination of 2-[^{18}F]-Fluoroisonicotinic Acid Hydrazide Pharmacokinetics by Positron Emission Tomography in Mycobacterium tuberculosis-Infected Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 6284-6290.	1.4	60
53	Imaging Evaluation of 5HT _{2C} Agonists, ^{11}C WAY-163909 and ^{11}C Vabicaserin, Formed by Pictet-Spengler Cyclization. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 1488-1494.	2.9	60
54	HDAC6 Brain Mapping with ^{18}F Bavarostat Enabled by a Ru-Mediated Deoxyfluorination. <i>ACS Central Science</i> , 2017, 3, 1006-1014.	5.3	60

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55	Neuroinflammation in Huntington's Disease: New Insights with ¹¹ C-PBR28 PET/MRI. ACS Chemical Neuroscience, 2018, 9, 2563-2571.	1.7	60
56	Extra-Axial Inflammatory Signal in Parameninges in Migraine with Visual Aura. Annals of Neurology, 2020, 87, 939-949.	2.8	60
57	Simultaneous fMRI-PET of the opioidergic pain system in human brain. NeuroImage, 2014, 102, 275-282.	2.1	59
58	Dopamine D ₁ signaling organizes network dynamics underlying working memory. Science Advances, 2016, 2, e1501672.	4.7	59
59	Imaging Agonist-Induced D2/D3 Receptor Desensitization and Internalization In Vivo with PET/fMRI. Neuropsychopharmacology, 2016, 41, 1427-1436.	2.8	59
60	A receptor-based model for dopamine-induced fMRI signal. NeuroImage, 2013, 75, 46-57.	2.1	57
61	Synthesis and Imaging Validation of [18F]MDL100907 Enabled by Ni-Mediated Fluorination. ACS Chemical Neuroscience, 2014, 5, 611-615.	1.7	57
62	A Transmetalation Reaction Enables the Synthesis of [18F]5-Fluorouracil from [18F]Fluoride for Human PET Imaging. Organometallics, 2016, 35, 1008-1014.	1.1	57
63	PET neuroimaging reveals histone deacetylase dysregulation in schizophrenia. Journal of Clinical Investigation, 2018, 129, 364-372.	3.9	57
64	Genome-free Viral Capsids as Carriers for Positron Emission Tomography Radiolabels. Molecular Imaging and Biology, 2008, 10, 182-191.	1.3	54
65	A Simple, Rapid Method for the Preparation of [¹¹ C]Formaldehyde. Angewandte Chemie - International Edition, 2008, 47, 5989-5992.	7.2	52
66	Image-Guided Synthesis Reveals Potent Blood-Brain Barrier Permeable Histone Deacetylase Inhibitors. ACS Chemical Neuroscience, 2014, 5, 588-596.	1.7	51
67	Evaluation of 6-([18F]fluoroacetamido)-1-hexanoicanilide for PET imaging of histone deacetylase in the baboon brain. Nuclear Medicine and Biology, 2009, 36, 247-258.	0.3	48
68	Time-Dependent Diaryl Ether Inhibitors of InhA: Structure-Activity Relationship Studies of Enzyme Inhibition, Antibacterial Activity, and in vivo Efficacy. ChemMedChem, 2014, 9, 776-791.	1.6	48
69	Human Positron Emission Tomography Neuroimaging. Annual Review of Biomedical Engineering, 2019, 21, 551-581.	5.7	48
70	Bevacizumab Reduces Permeability and Concurrent Temozolomide Delivery in a Subset of Patients with Recurrent Glioblastoma. Clinical Cancer Research, 2020, 26, 206-212.	3.2	48
71	Kinetic Analysis and Quantification of [¹¹ C]Martinostat for in Vivo HDAC Imaging of the Brain. ACS Chemical Neuroscience, 2015, 6, 708-715.	1.7	46
72	Integrated imaging of [11C]-PBR28 PET, MR diffusion and magnetic resonance spectroscopy 1H-MRS in amyotrophic lateral sclerosis. NeuroImage: Clinical, 2018, 20, 357-364.	1.4	45

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73	Noninvasive Assessment of Losartan-Induced Increase in Functional Microvasculature and Drug Delivery in Pancreatic Ductal Adenocarcinoma. <i>Translational Oncology</i> , 2016, 9, 431-437.	1.7	42
74	Expression of <i>HDAC2</i> but Not <i>HDAC1</i> Transcript Is Reduced in Dorsolateral Prefrontal Cortex of Patients with Schizophrenia. <i>ACS Chemical Neuroscience</i> , 2017, 8, 662-668.	1.7	42
75	[¹¹ C]Cyanation of arylboronic acids in aqueous solutions. <i>Chemical Communications</i> , 2017, 53, 6597-6600.	2.2	41
76	Visualizing epigenetics: Current advances and advantages in HDAC PET imaging techniques. <i>Neuroscience</i> , 2014, 264, 186-197.	1.1	39
77	Synthesis of [¹¹ C]Bexarotene by Cu-Mediated [¹¹ C]Carbon Dioxide Fixation and Preliminary PET Imaging. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 668-672.	1.3	39
78	Nicotine Blocks Brain Estrogen Synthase (Aromatase): In Vivo Positron Emission Tomography Studies in Female Baboons. <i>Biological Psychiatry</i> , 2010, 67, 774-777.	0.7	37
79	Salvinorin A and derivatives: Protection from metabolism does not prolong short-term, whole-brain residence. <i>Neuropharmacology</i> , 2009, 57, 386-391.	2.0	36
80	PET Imaging Demonstrates Histone Deacetylase Target Engagement and Clarifies Brain Penetration of Known and Novel Small Molecule Inhibitors in Rat. <i>ACS Chemical Neuroscience</i> , 2014, 5, 1055-1062.	1.7	36
81	Neuroepigenetic signatures of age and sex in the living human brain. <i>Nature Communications</i> , 2019, 10, 2945.	5.8	36
82	Solubilization and stabilization of bacteriophage MS2 in organic solvents. <i>Biotechnology and Bioengineering</i> , 2007, 97, 224-234.	1.7	35
83	Modular strategies for PET imaging agents. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 105-111.	2.8	35
84	[¹¹ C]PBR28 MRâ€“PET imaging reveals lower regional brain expression of translocator protein (TSPO) in young adult males with autism spectrum disorder. <i>Molecular Psychiatry</i> , 2021, 26, 1659-1669.	4.1	35
85	Cue-Induced Dopamine Release Predicts Cocaine Preference: Positron Emission Tomography Studies in Freely Moving Rodents. <i>Journal of Neuroscience</i> , 2009, 29, 6176-6185.	1.7	34
86	A Novel Radiotracer for Imaging Monoacylglycerol Lipase in the Brain Using Positron Emission Tomography. <i>ACS Chemical Neuroscience</i> , 2016, 7, 484-489.	1.7	34
87	Amylin receptor ligands reduce the pathological cascade of Alzheimer's disease. <i>Neuropharmacology</i> , 2017, 119, 170-181.	2.0	34
88	A simultaneous [¹¹ C]raclopride positron emission tomography and functional magnetic resonance imaging investigation of striatal dopamine binding in autism. <i>Translational Psychiatry</i> , 2021, 11, 33.	2.4	33
89	PET/MRI in the Presence of Metal Implants: Completion of the Attenuation Map from PET Emission Data. <i>Journal of Nuclear Medicine</i> , 2017, 58, 840-845.	2.8	32
90	Pseudoreference Regions for Glial Imaging with ¹¹ C-PBR28: Investigation in 2 Clinical Cohorts. <i>Journal of Nuclear Medicine</i> , 2018, 59, 107-114.	2.8	32

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91	Exploring Structural Determinants of Inhibitor Affinity and Selectivity in Complexes with Histone Deacetylase 6. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 295-308.	2.9	32
92	Radionuclide labeling and evaluation of candidate radioligands for PET imaging of histone deacetylase in the brain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6700-6705.	1.0	31
93	Enzyme-catalyzed hydrolysis of poly(ethylene terephthalate) cyclic trimer. <i>Journal of Applied Polymer Science</i> , 2003, 89, 2545-2552.	1.3	30
94	Imaging of glia activation in people with primary lateral sclerosis. <i>NeuroImage: Clinical</i> , 2018, 17, 347-353.	1.4	29
95	A pilot trial of RNS60 in amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2019, 59, 303-308.	1.0	29
96	Class I HDAC imaging using [³ H]CI-994 autoradiography. <i>Epigenetics</i> , 2013, 8, 756-764.	1.3	28
97	Reinvestigation of the synthesis and evaluation of [N-methyl- ¹¹ C]vorozole, a radiotracer targeting cytochrome P450 aromatase. <i>Nuclear Medicine and Biology</i> , 2009, 36, 323-334.	0.3	27
98	Translation of HDAC6 PET Imaging Using [¹⁸ F]EKZ-001â€“cGMP Production and Measurement of HDAC6 Target Occupancy in Nonhuman Primates. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1093-1101.	1.7	26
99	Metabolic Changes in the Rodent Brain after Acute Administration of Salvinorin A. <i>Molecular Imaging and Biology</i> , 2009, 11, 137-143.	1.3	25
100	<i>In Vivo</i> [¹⁸ F]GE-179 Brain Signal Does Not Show NMDA-Specific Modulation with Drug Challenges in Rodents and Nonhuman Primates. <i>ACS Chemical Neuroscience</i> , 2018, 9, 298-305.	1.7	25
101	The pandemic brain: Neuroinflammation in non-infected individuals during the COVID-19 pandemic. <i>Brain, Behavior, and Immunity</i> , 2022, 102, 89-97.	2.0	25
102	Overlapping and Divergent Actions of Structurally Distinct Histone Deacetylase Inhibitors in Cardiac Fibroblasts. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 361, 140-150.	1.3	24
103	Functionally Biased D2R Antagonists: Targeting the Î²-Arrestin Pathway to Improve Antipsychotic Treatment. <i>ACS Chemical Biology</i> , 2018, 13, 1038-1047.	1.6	24
104	Effects of flow changes on radiotracer binding: Simultaneous measurement of neuroreceptor binding and cerebral blood flow modulation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 131-146.	2.4	24
105	Neuroimmune signatures in chronic low back pain subtypes. <i>Brain</i> , 2022, 145, 1098-1110.	3.7	24
106	Thalamic neuroinflammation as a reproducible and discriminating signature for chronic low back pain. <i>Pain</i> , 2021, 162, 1241-1249.	2.0	24
107	Reducing problems of cyclic trimer deposits in supercritical carbon dioxide polyester dyeing machinery. <i>Journal of Supercritical Fluids</i> , 2003, 26, 47-54.	1.6	23
108	PET Neuroimaging Studies of [¹⁸ F]CABS13 in a Double Transgenic Mouse Model of Alzheimerâ€™s Disease and Nonhuman Primates. <i>ACS Chemical Neuroscience</i> , 2015, 6, 535-541.	1.7	23

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109	Epigenetics of Autism Spectrum Disorder: Histone Deacetylases. <i>Biological Psychiatry</i> , 2022, 91, 922-933.	0.7	23
110	Development of [¹⁸ F]Maleimide-Based Glycogen Synthase Kinase-3 ^β Ligands for Positron Emission Tomography Imaging. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 287-292.	1.3	22
111	Discrepancies in Kappa Opioid Agonist Binding Revealed through PET Imaging. <i>ACS Chemical Neuroscience</i> , 2019, 10, 384-395.	1.7	22
112	Moving Toward Multicenter Therapeutic Trials in Amyotrophic Lateral Sclerosis: Feasibility of Data Pooling Using Different Translocator Protein PET Radioligands. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1621-1627.	2.8	22
113	Radiosynthesis and evaluation of [¹¹ C]EMPA as a potential PET tracer for orexin 2 receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3389-3392.	1.0	21
114	Synthesis and Evaluation of Methylated Arylazepine Compounds for PET Imaging of 5-HT _{2c} Receptors. <i>ACS Chemical Neuroscience</i> , 2013, 4, 261-265.	1.7	21
115	PET Neurochemical Imaging Modes. <i>Seminars in Nuclear Medicine</i> , 2016, 46, 20-27.	2.5	21
116	Development of a Fluorinated Class-I HDAC Radiotracer Reveals Key Chemical Determinants of Brain Penetration. <i>ACS Chemical Neuroscience</i> , 2016, 7, 528-533.	1.7	21
117	Positron Emission Tomography Assessment of the Intranasal Delivery Route for Orexin A. <i>ACS Chemical Neuroscience</i> , 2018, 9, 358-368.	1.7	21
118	Ibudilast (MN-166) in amyotrophic lateral sclerosis- an open label, safety and pharmacodynamic trial. <i>NeuroImage: Clinical</i> , 2021, 30, 102672.	1.4	21
119	An Efficient and Practical Radiosynthesis of [¹¹ C]Temozolomide. <i>Organic Letters</i> , 2012, 14, 5872-5875.	2.4	20
120	Evaluation of potential PET imaging probes for the orexin 2 receptors. <i>Nuclear Medicine and Biology</i> , 2013, 40, 1000-1005.	0.3	19
121	Synthesis of [¹¹ C]SSR149415 and preliminary imaging studies using positron emission tomography. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 3103-3106.	1.0	18
122	Radiosynthesis of ¹¹ C labeled auxin (3 ^β -indolyl[¹¹ C]acetic acid) and its derivatives from gramine. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2011, 54, 433-437.	0.5	18
123	PET Imaging of Fatty Acid Amide Hydrolase with [¹⁸ F]DOPP in Nonhuman Primates. <i>Molecular Pharmaceutics</i> , 2014, 11, 3832-3838.	2.3	18
124	Design, synthesis, and evaluation of hydroxamic acid-based molecular probes for in vivo imaging of histone deacetylase (HDAC) in brain. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 4, 29-38.	1.0	18
125	In vivo human brain expression of histone deacetylases in bipolar disorder. <i>Translational Psychiatry</i> , 2020, 10, 224.	2.4	17
126	The Role of Inflammation after Surgery for Elders (RISE) study: Examination of [¹¹ C]PBR28 binding and exploration of its link to post-operative delirium. <i>NeuroImage: Clinical</i> , 2020, 27, 102346.	1.4	17

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127	Functional Characterization of 5-HT _{1B} Receptor Drugs in Nonhuman Primates Using Simultaneous PET-MR. <i>Journal of Neuroscience</i> , 2017, 37, 10671-10678.	1.7	16
128	Molecular and functional PET-fMRI measures of placebo analgesia in episodic migraine: Preliminary findings. <i>NeuroImage: Clinical</i> , 2018, 17, 680-690.	1.4	16
129	Clinical validation of the novel HDAC6 radiotracer [18F]EKZ-001 in the human brain. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 596-611.	3.3	16
130	Classics in Neuroimaging: Imaging the Dopaminergic Pathway with PET. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1817-1819.	1.7	15
131	Adamantane/Cucurbituril: A Potential Pretargeted Imaging Strategy in Immuno-PET. <i>Molecular Imaging</i> , 2018, 17, 153601211879983.	0.7	15
132	An efficient and practical synthesis of [2- ¹¹ C]indole via superfast nucleophilic [¹¹ C]cyanation and RANEY [®] Nickel catalyzed reductive cyclization. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11235-11243.	1.5	14
133	Immediate and Persistent Effects of Salvinorin A on the Kappa Opioid Receptor in Rodents, Monitored In Vivo with PET. <i>Neuropsychopharmacology</i> , 2015, 40, 2865-2872.	2.8	14
134	Activity-dependent Regulation of Histone Lysine Demethylase KDM1A by a Putative Thiol/Disulfide Switch. <i>Journal of Biological Chemistry</i> , 2016, 291, 24756-24767.	1.6	14
135	Toward development of epigenetic drugs for central nervous system disorders: Modulating neuroplasticity via H3K4 methylation. <i>Psychiatry and Clinical Neurosciences</i> , 2016, 70, 536-550.	1.0	14
136	FDG-PET imaging reveals local brain glucose utilization is altered by class I histone deacetylase inhibitors. <i>Neuroscience Letters</i> , 2013, 550, 119-124.	1.0	13
137	Tracing the History of the Human Translocator Protein to Recent Neurodegenerative and Psychiatric Imaging. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2192-2200.	1.7	13
138	Evaluation of [11C]metergoline as a PET radiotracer for 5HTR in nonhuman primates. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 7739-7745.	1.4	12
139	Development of New Positron Emission Tomography Radiotracer for BET Imaging. <i>ACS Chemical Neuroscience</i> , 2017, 8, 17-21.	1.7	11
140	Metal Protein-Attenuating Compound for PET Neuroimaging: Synthesis and Preclinical Evaluation of [¹¹ C]PBT2. <i>Molecular Pharmaceutics</i> , 2018, 15, 695-702.	2.3	11
141	The Role of Inflammation after Surgery for Elders (RISE) study: Study design, procedures, and cohort profile. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 752-762.	1.2	11
142	Effects of ferumoxytol on quantitative PET measurements in simultaneous PET/MR whole-body imaging: a pilot study in a baboon model. <i>EJNMMI Physics</i> , 2015, 2, 6.	1.3	10
143	Nasal neuron PET imaging quantifies neuron generation and degeneration. <i>Journal of Clinical Investigation</i> , 2017, 127, 681-694.	3.9	10
144	Radiolabelling and positron emission tomography of PT70, a time-dependent inhibitor of InhA, the <i>Mycobacterium tuberculosis</i> enoyl-ACP reductase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4782-4786.	1.0	9

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145	A regularized full reference tissue model for PET neuroreceptor mapping. <i>NeuroImage</i> , 2016, 139, 405-414.	2.1	9
146	Class I and II histone deacetylase expression is not altered in human amyotrophic lateral sclerosis: Neuropathological and positron emission tomography molecular neuroimaging evidence. <i>Muscle and Nerve</i> , 2019, 60, 443-452.	1.0	9
147	Comparison of Two Clinical Upper Motor Neuron Burden Rating Scales in ALS Using Quantitative Brain Imaging. <i>ACS Chemical Neuroscience</i> , 2021, 12, 906-916.	1.7	9
148	Synthesis of N,N-diethyl-N-{4-[(E)-(4-nitrophenyl)diazenyl]phenyl}amine via in situ diazotisation and coupling in supercritical carbon dioxide. <i>Coloration Technology</i> , 2002, 118, 273-276.	0.7	8
149	Radiosynthesis and biological evaluation of a novel enoyl-ACP reductase inhibitor for <i>Staphylococcus aureus</i> . <i>European Journal of Medicinal Chemistry</i> , 2014, 88, 66-73.	2.6	8
150	Preclinical PET Neuroimaging of [¹¹ C]Bexarotene. <i>Molecular Imaging</i> , 2016, 15, 153601211666305.	0.7	8
151	Beyond the Amyloid Hypothesis of Alzheimer's Disease: Tau Pathology Takes Center Stage. <i>ACS Chemical Neuroscience</i> , 2018, 9, 2519-2519.	1.7	8
152	Vascular dysfunction promotes regional hypoxia after bevacizumab therapy in recurrent glioblastoma patients. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa157.	0.4	8
153	Coevolution of Atomic Resolution and Whole-Brain Imaging for Tau Neurofibrillary Tangles. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2513-2522.	1.7	8
154	CN133, a Novel Brain-Penetrating Histone Deacetylase Inhibitor, Hampers Tumor Growth in Patient-Derived Pediatric Posterior Fossa Ependymoma Models. <i>Cancers</i> , 2020, 12, 1922.	1.7	7
155	[¹¹ C]PR04.MZ, a promising DAT ligand for low concentration imaging: Synthesis, efficient ¹¹ C-O-methylation and initial small animal PET studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4343-4345.	1.0	6
156	Characterisation of [¹¹ C]PR04.MZ in <i>Papio anubis</i> baboon: A selective high-affinity radioligand for quantitative imaging of the dopamine transporter. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 679-682.	1.0	6
157	A Chemical Strategy for the Cell-Based Detection of HDAC Activity. <i>ACS Chemical Biology</i> , 2014, 9, 1257-1262.	1.6	6
158	Imaging cardiac SCN5A using the novel F-18 radiotracer radiocaine. <i>Scientific Reports</i> , 2017, 7, 42136.	1.6	6
159	Design, construction and testing of a low-cost automated (⁶⁸ Gallium)-labeling synthesis unit for clinical use. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 6, 176-84.	1.0	6
160	Specific ¹⁸ F-FDHT Accumulation in Human Prostate Cancer Xenograft Murine Models Is Facilitated by Prebinding to Sex Hormone-Binding Globulin. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1538-1543.	2.8	5
161	Response to Comment on <i>In Vivo</i> [¹⁸ F]GE-179 Brain Signal Does Not Show NMDA-Specific Modulation with Drug Challenges in Rodents and Nonhuman Primates. <i>ACS Chemical Neuroscience</i> , 2019, 10, 773-775.	1.7	5
162	Synthesis, properties and application of four new 1;2 aluminium-complexed azo dyes. <i>Coloration Technology</i> , 2003, 119, 41-47.	0.7	4

#	ARTICLE	IF	CITATIONS
163	First D1-like receptor PET imaging of the rat and primate kidney: implications for human disease monitoring. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F116-F121.	1.3	4
164	Reply. <i>Annals of Neurology</i> , 2017, 81, 324-325.	2.8	4
165	FDA Approval of Aducanumab Divided the Community but Also Connected and United It. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2716-2717.	1.7	4
166	Long-Term Effects of Repeated Blast Exposure in United States Special Operations Forces Personnel: A Pilot Study Protocol. <i>Journal of Neurotrauma</i> , 2022, 39, 1391-1407.	1.7	4
167	Radiosynthesis and preclinical evaluation of [¹¹ C]Cimbi-701 “Towards the imaging of cerebral 5-HT ₇ receptors. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2020, 63, 46-55.	0.5	3
168	A Baboon Brain Atlas for Magnetic Resonance Imaging and Positron Emission Tomography Image Analysis. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 778769.	0.9	3
169	Editors’ Favorites of 2017. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1-4.	1.7	2
170	Giving Credit Where Credit Is Due: Properly Citing Relevant Prior Art. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5225-5225.	2.9	2
171	Imaging Epigenetics of Prenatal THC. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1466-1468.	1.7	2
172	[¹¹ C]PBR28 radiotracer kinetics are not driven by alterations in cerebral blood flow. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 3069-3084.	2.4	2
173	Discovery of Highly Potent Adenosine A1 Receptor Agonists: Targeting Positron Emission Tomography Probes. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3410-3417.	1.7	2
174	Neuroinflammation: Brain on Fire?. <i>ACS Chemical Neuroscience</i> , 2016, 7, 415-415.	1.7	1
175	Editors’ Favorites of 2016. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1-3.	1.7	1
176	Time Will Tell the Utility of Biomarkers. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1692-1695.	1.7	1
177	Effects of chronic voluntary alcohol consumption on PDE10A availability: a longitudinal behavioral and [¹⁸ F]JNJ42259152 PET study in rats. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 492-502.	3.3	1
178	OUP accepted manuscript. <i>Brain</i> , 2022, , .	3.7	1
179	New Chemical Tools for Protein Modification. <i>ChemInform</i> , 2006, 37, no.	0.1	0
180	Noninvasive Determination of 2-[¹⁸ F]-Fluoroisonicotinic Acid Hydrazide Pharmacokinetics by Positron Emission Tomography in Mycobacterium tuberculosis-Infected Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 678-678.	1.4	0

#	ARTICLE	IF	CITATIONS
181	NIMG-29RADIOLABELED TEMOZOLOMIDE CAN MEASURE BEVACIZUMAB INDUCED VASCULAR MODULATION IN PATIENTS WITH RECURRENT GBM. <i>Neuro-Oncology</i> , 2015, 17, v160.1-v160.	0.6	0
182	NIMG-42. PENETRATION OF RADIOLABELED TEMOZOLOMIDE CORRELATES WITH CONTRAST ENHANCEMENT IN PATIENTS WITH RECURRENT GBM TREATED WITH BEVACIZUMAB. <i>Neuro-Oncology</i> , 2016, 18, vi133-vi133.	0.6	0
183	IC-P-166: Olfactory Sensory Neuron Monitoring in Alzheimer's Disease: Toward Human Translation of a Pet Imaging Agent. , 2016, 12, P122-P122.		0
184	Editors' Favorites: Best of 2018. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1-4.	1.7	0
185	Giving Credit Where Credit Is Due: Properly Citing Relevant Prior Art. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 669-669.	1.3	0
186	Giving Credit Where Credit Is Due: Properly Citing Relevant Prior Art. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1465-1465.	1.7	0
187	Exploring Gender Differences in the Placebo Response to Major Depressive Disorder (MDD) Using Neuroimaging Techniques. <i>Biological Psychiatry</i> , 2021, 89, S171-S172.	0.7	0
188	A Reflection on Juneteenth and the Diversity of Our Chemical Neuroscience Community. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2254-2255.	1.7	0
189	Chemical Neuroscience and the Paths to Impact. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1-1.	1.7	0
190	Imaging the Distribution of Carbon-11 Labeled Rifampicin, Isoniazid and Pyrazinamide in Baboons using PET. <i>FASEB Journal</i> , 2010, 24, 907.7.	0.2	0