Jacob M Hooker

List of Publications by Citations

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178 papers	7,794 citations	51 h-index	81 g-index
206 ext. papers	9,038 ext. citations	7.7 avg, IF	6.05 L-index

#	Paper	IF	Citations
178	Effects of modafinil on dopamine and dopamine transporters in the male human brain: clinical implications. *JAMA - Journal of the American Medical Association*, **2009**, 301, 1148-54	27.4	395
177	A fluoride-derived electrophilic late-stage fluorination reagent for PET imaging. *Science*, **2011**, 334, 639-42	33.3	348
176	Evidence for brain glial activation in chronic pain patients. *Brain*, **2015**, 138, 604-15	11.2	292
175	Interior surface modification of bacteriophage MS2. *Journal of the American Chemical Society*, **2004**, 126, 3718-9	16.4	284
174	Nickel-mediated oxidative fluorination for PET with aqueous [18F] fluoride. *Journal of the American Chemical Society*, **2012**, 134, 17456-8	16.4	238
173	Late stage benzylic C-H fluorination with [18F]fluoride for PET imaging. *Journal of the American Chemical Society*, **2014**, 136, 6842-5	16.4	175
172	Dual-surface-modified bacteriophage MS2 as an ideal scaffold for a viral capsid-based drug delivery system. *Bioconjugate Chemistry*, **2007**, 18, 1140-7	6.3	172
171	Concerted nucleophilic aromatic substitution with (19)F(-) and (18)F(-). *Nature*, **2016**, 534, 369-73	50.4	165
170	High relaxivity gadolinium hydroxypyridonate-viral capsid conjugates: nanosized MRI contrast agents. *Journal of the American Chemical Society*, **2008**, 130, 2546-52	16.4	156
169	Increased in vivo glial activation in patients with amyotrophic lateral sclerosis: assessed with [(11)C]-PBR28. *NeuroImage: Clinical*, **2015**, 7, 409-14	5.3	143
168	One-pot, direct incorporation of [11C]CO2 into carbamates. *Angewandte Chemie - International Edition*, **2009**, 48, 3482-5	16.4	128
167	Magnetic resonance contrast agents from viral capsid shells: a comparison of exterior and interior cargo strategies. *Nano Letters*, **2007**, 7, 2207-10	11.5	127
166	In Vivo Imaging of Human Neuroinflammation. *ACS Chemical Neuroscience*, **2016**, 7, 470-83	5.7	121
165	Neuroinflammatory component of gray matter pathology in multiple sclerosis. *Annals of Neurology*, **2016**, 80, 776-790	9.4	114
164	Brain glial activation in fibromyalgia - A multi-site positron emission tomography investigation. *Brain, Behavior, and Immunity*, **2019**, 75, 72-83	16.6	111
163	A selective HDAC 1/2 inhibitor modulates chromatin and gene expression in brain and alters mouse behavior in two mood-related tests. *PLoS ONE*, **2013**, 8, e71323	3.7	103
162	Targeted fluorination with the fluoride ion by manganese-catalyzed decarboxylation. *Angewandte Chemie - International Edition*, **2015**, 54, 5241-5	16.4	102

161	Polyglucose nanoparticles with renal elimination and macrophage avidity facilitate PET imaging in ischaemic heart disease. *Nature Communications*, **2017**, 8, 14064	17.4	95
160	Brain-penetrant LSD1 inhibitors can block memory consolidation. *ACS Chemical Neuroscience*, **2012**, 3, 120-128	5.7	89
159	Disruption of thalamic functional connectivity is a neural correlate of dexmedetomidine-induced unconsciousness. *ELife*, **2014**, 3, e04499	8.9	85
158	Neurovascular coupling to D2/D3 dopamine receptor occupancy using simultaneous PET/functional MRI. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11169-74	11.5	84
157	(11)C[double bond, length as m-dash]O bonds made easily for positron emission tomography radiopharmaceuticals. *Chemical Society Reviews*, **2016**, 45, 4708-26	58.5	81
156	11CO2 fixation: a renaissance in PET radiochemistry. *Chemical Communications*, **2013**, 49, 5621-9	5.8	80
155	A philosophy for CNS radiotracer design. *Accounts of Chemical Research*, **2014**, 47, 3127-34	24.3	79
154	Dynamic functional imaging of brain glucose utilization using fPET-FDG. *NeuroImage*, **2014**, 100, 192-9	7.9	78
153	NIMG-29RADIOLABELED TEMOZOLOMIDE CAN MEASURE BEVACIZUMAB INDUCED VASCULAR MODULATION IN PATIENTS WITH RECURRENT GBM. *Neuro-Oncology*, **2015**, 17, v160.1-v160	1	78
152	Noninvasive Determination of 2-[18F]-Fluoroisonicotinic Acid Hydrazide Pharmacokinetics by Positron Emission Tomography in Mycobacterium tuberculosis-Infected Mice. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 678-678	5.9	78
151	Neuroinflammation of the spinal cord and nerve roots in chronic radicular pain patients. *Pain*, **2018**, 159, 968-977	8	77
150	Application of palladium-mediated (18)F-fluorination to PET radiotracer development: overcoming hurdles to translation. *PLoS ONE*, **2013**, 8, e59187	3.7	77
149	Histone deacetylase inhibitor, MS-275, exhibits poor brain penetration: PK studies of [C]MS-275 using Positron Emission Tomography. *ACS Chemical Neuroscience*, **2010**, 1, 65-73	5.7	77
148	Modification of aniline containing proteins using an oxidative coupling strategy. *Journal of the American Chemical Society*, **2006**, 128, 15558-9	16.4	69
147	Dopamine in the medial amygdala network mediates human bonding. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 2361-2366	11.5	68
146	Glial activation colocalizes with structural abnormalities in amyotrophic lateral sclerosis. *Neurology*, **2016**, 87, 2554-2561	6.5	67
145	In vivo imaging of adult human hippocampal neurogenesis: progress, pitfalls and promise. *Molecular Psychiatry*, **2013**, 18, 404-16	15.1	67
144	Combination therapy: histone deacetylase inhibitors and platinum-based chemotherapeutics for cancer. *Cancer Letters*, **2013**, 329, 1-8	9.9	67

143	Insights into neuroepigenetics through human histone deacetylase PET imaging. *Science Translational Medicine*, **2016**, 8, 351ra106	17.5	66
142	Pharmacokinetics of the potent hallucinogen, salvinorin A in primates parallels the rapid onset and short duration of effects in humans. *NeuroImage*, **2008**, 41, 1044-50	7.9	66
141	Toward an immune-mediated subtype of autism spectrum disorder. *Brain Research*, **2015**, 1617, 72-92	3.7	63
140	Whole-body pharmacokinetics of HDAC inhibitor drugs, butyric acid, valproic acid and 4-phenylbutyric acid measured with carbon-11 labeled analogs by PET. *Nuclear Medicine and Biology* , **2013**, 40, 912-8	2.1	63
139	In vivo imaging of histone deacetylases (HDACs) in the central nervous system and major peripheral organs. *Journal of Medicinal Chemistry*, **2014**, 57, 7999-8009	8.3	61
138	Bridging the gaps in F PET tracer development. *Nature Chemistry*, **2016**, 9, 1-3	17.6	60
137	A systematic review of molecular imaging (PET and SPECT) in autism spectrum disorder: current state and future research opportunities. *Neuroscience and Biobehavioral Reviews*, **2015**, 52, 56-73	9	60
136	An Isochemogenic Set of Inhibitors To Define the Therapeutic Potential of Histone Deacetylases in Cell Protection. *ACS Chemical Biology*, **2016**, 11, 363-74	4.9	58
135	Integrated magnetic resonance imaging and [C]-PBR28 positron emission tomographic imaging in amyotrophic lateral sclerosis. *Annals of Neurology*, **2018**, 83, 1186-1197	9.4	56
134	In vivo photoactivation without "light": use of Cherenkov radiation to overcome the penetration limit of light. *Molecular Imaging and Biology*, **2012**, 14, 156-62	3.8	56
133	Histone Deacetylase 6-Selective Inhibitors and the Influence of Capping Groups on Hydroxamate-Zinc Denticity. *Journal of Medicinal Chemistry*, **2018**, 61, 8054-8060	8.3	55
132	Virtually instantaneous, room-temperature [(11)C]-cyanation using biaryl phosphine Pd(0) complexes. *Journal of the American Chemical Society*, **2015**, 137, 648-51	16.4	54
131	F-Deoxyfluorination of Phenols via Ru Complexes. *ACS Central Science*, **2017**, 3, 944-948	16.8	54
130	Imaging evaluation of 5HT2C agonists, [(11)C]WAY-163909 and [(11)C]vabicaserin, formed by Pictet-Spengler cyclization. *Journal of Medicinal Chemistry*, **2014**, 57, 1488-94	8.3	53
129	Radiosynthesis and bioimaging of the tuberculosis chemotherapeutics isoniazid, rifampicin and pyrazinamide in baboons. *Journal of Medicinal Chemistry*, **2010**, 53, 2882-91	8.3	53
128	Rapid chemoselective bioconjugation through oxidative coupling of anilines and aminophenols. *Journal of the American Chemical Society*, **2011**, 133, 16398-401	16.4	52
127	Direct CN-Labeling of Unprotected Peptides via Palladium-Mediated Sequential Cross-Coupling Reactions. *Journal of the American Chemical Society*, **2017**, 139, 7152-7155	16.4	51
126	Genome-free viral capsids as carriers for positron emission tomography radiolabels. *Molecular Imaging and Biology*, **2008**, 10, 182-91	3.8	51

125	Synthesis and imaging validation of [18F]MDL100907 enabled by Ni-mediated fluorination. *ACS Chemical Neuroscience*, **2014**, 5, 611-5	5.7	49
124	A Transmetalation Reaction Enables the Synthesis of [F]5-Fluorouracil from [F]Fluoride for Human PET Imaging. *Organometallics*, **2016**, 35, 1008-1014	3.8	48
123	A simple, rapid method for the preparation of [11C]formaldehyde. *Angewandte Chemie - International Edition*, **2008**, 47, 5989-92	16.4	48
122	Noninvasive determination of 2-[18F]-fluoroisonicotinic acid hydrazide pharmacokinetics by positron emission tomography in Mycobacterium tuberculosis-infected mice. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 6284-90	5.9	47
121	Site-selective F fluorination of unactivated C-H bonds mediated by a manganese porphyrin. *Chemical Science*, **2018**, 9, 1168-1172	9.4	47
120	Simultaneous fMRI-PET of the opioidergic pain system in human brain. *NeuroImage*, **2014**, 102 Pt 2, 275-82	7.9	43
119	A receptor-based model for dopamine-induced fMRI signal. *NeuroImage*, **2013**, 75, 46-57	7.9	42
118	Image-guided synthesis reveals potent blood-brain barrier permeable histone deacetylase inhibitors. *ACS Chemical Neuroscience*, **2014**, 5, 588-96	5.7	41
117	HDAC6 Brain Mapping with [F]Bavarostat Enabled by a Ru-Mediated Deoxyfluorination. *ACS Central Science*, **2017**, 3, 1006-1014	16.8	41
116	Dopamine D1 signaling organizes network dynamics underlying working memory. *Science Advances*, **2016**, 2, e1501672	14.3	41
115	Imaging of neuroinflammation in migraine with aura: A [C]PBR28 PET/MRI study. *Neurology*, **2019**, 92, e2038-e2050	6.5	40
114	Imaging Agonist-Induced D2/D3 Receptor Desensitization and Internalization In Vivo with PET/fMRI. *Neuropsychopharmacology*, **2016**, 41, 1427-36	8.7	40
113	Time-dependent diaryl ether inhibitors of InhA: structure-activity relationship studies of enzyme inhibition, antibacterial activity, and in vivo efficacy. *ChemMedChem*, **2014**, 9, 776-91	3.7	40
112	Evaluation of 6-([(18)F]fluoroacetamido)-1-hexanoicanilide for PET imaging of histone deacetylase in the baboon brain. *Nuclear Medicine and Biology*, **2009**, 36, 247-58	2.1	40
111	Neuroinflammation in Huntington's Disease: New Insights with C-PBR28 PET/MRI. *ACS Chemical Neuroscience*, **2018**, 9, 2563-2571	5.7	36
110	PET neuroimaging reveals histone deacetylase dysregulation in schizophrenia. *Journal of Clinical Investigation*, **2019**, 129, 364-372	15.9	34
109	Targeted Fluorination with the Fluoride Ion by Manganese-Catalyzed Decarboxylation. *Angewandte Chemie*, **2015**, 127, 5330-5334	3.6	33
108	Cue-induced dopamine release predicts cocaine preference: positron emission tomography studies in freely moving rodents. *Journal of Neuroscience*, **2009**, 29, 6176-85	6.6	33

107	A Novel Radiotracer for Imaging Monoacylglycerol Lipase in the Brain Using Positron Emission Tomography. *ACS Chemical Neuroscience*, **2016**, 7, 484-9	5.7	32
106	Visualizing epigenetics: current advances and advantages in HDAC PET imaging techniques. *Neuroscience*, **2014**, 264, 186-97	3.9	32
105	Nicotine blocks brain estrogen synthase (aromatase): in vivo positron emission tomography studies in female baboons. *Biological Psychiatry*, **2010**, 67, 774-7	7.9	32
104	Modular strategies for PET imaging agents. *Current Opinion in Chemical Biology*, **2010**, 14, 105-11	9.7	32
103	[C]Cyanation of arylboronic acids in aqueous solutions. *Chemical Communications*, **2017**, 53, 6597-6600	5.8	31
102	Synthesis of [(11)C]Bexarotene by Cu-Mediated [(11)C]Carbon Dioxide Fixation and Preliminary PET Imaging. *ACS Medicinal Chemistry Letters*, **2014**, 5, 668-72	4.3	31
101	Salvinorin A and derivatives: protection from metabolism does not prolong short-term, whole-brain residence. *Neuropharmacology*, **2009**, 57, 386-91	5.5	31
100	Solubilization and stabilization of bacteriophage MS2 in organic solvents. *Biotechnology and Bioengineering*, **2007**, 97, 224-34	4.9	31
99	Noninvasive Assessment of Losartan-Induced Increase in Functional Microvasculature and Drug Delivery in Pancreatic Ductal Adenocarcinoma. *Translational Oncology*, **2016**, 9, 431-437	4.9	29
98	Integrated imaging of [C]-PBR28 PET, MR diffusion and magnetic resonance spectroscopy H-MRS in amyotrophic lateral sclerosis. *NeuroImage: Clinical*, **2018**, 20, 357-364	5.3	28
97	Neuroepigenetic signatures of age and sex in the living human brain. *Nature Communications*, **2019**, 10, 2945	17.4	28
96	Expression of HDAC2 but Not HDAC1 Transcript Is Reduced in Dorsolateral Prefrontal Cortex of Patients with Schizophrenia. *ACS Chemical Neuroscience*, **2017**, 8, 662-668	5.7	28
95	Kinetic Analysis and Quantification of [11C]Martinostat for in Vivo HDAC Imaging of the Brain. *ACS Chemical Neuroscience*, **2015**, 6, 708-15	5.7	27
94	PET imaging demonstrates histone deacetylase target engagement and clarifies brain penetrance of known and novel small molecule inhibitors in rat. *ACS Chemical Neuroscience*, **2014**, 5, 1055-62	5.7	27
93	Class I HDAC imaging using [(3)H]CI-994 autoradiography. *Epigenetics*, **2013**, 8, 756-64	5.7	27
92	Bevacizumab Reduces Permeability and Concurrent Temozolomide Delivery in a Subset of Patients with Recurrent Glioblastoma. *Clinical Cancer Research*, **2020**, 26, 206-212	12.9	27
91	Amylin receptor ligands reduce the pathological cascade of Alzheimer's disease. *Neuropharmacology*, **2017**, 119, 170-181	5.5	26
90	Pseudoreference Regions for Glial Imaging with C-PBR28: Investigation in 2 Clinical Cohorts. *Journal of Nuclear Medicine*, **2018**, 59, 107-114	8.9	26

89	Enzyme-catalyzed hydrolysis of poly(ethylene terephthalate) cyclic trimer. *Journal of Applied Polymer Science*, **2003**, 89, 2545-2552	2.9	26
88	Radionuclide labeling and evaluation of candidate radioligands for PET imaging of histone deacetylase in the brain. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 6700-5	2.9	25
87	Human Positron Emission Tomography Neuroimaging. *Annual Review of Biomedical Engineering*, **2019**, 21, 551-581	12	24
86	Extra-Axial Inflammatory Signal in Parameninges in Migraine with Visual Aura. *Annals of Neurology*, **2020**, 87, 939-949	9.4	24
85	Imaging of glia activation in people with primary lateral sclerosis. *NeuroImage: Clinical*, **2018**, 17, 347-353	5.3	24
84	Reinvestigation of the synthesis and evaluation of [N-methyl-(11)C]vorozole, a radiotracer targeting cytochrome P450 aromatase. *Nuclear Medicine and Biology*, **2009**, 36, 323-34	2.1	23
83	PET/MRI in the Presence of Metal Implants: Completion of the Attenuation Map from PET Emission Data. *Journal of Nuclear Medicine*, **2017**, 58, 840-845	8.9	22
82	Effects of flow changes on radiotracer binding: Simultaneous measurement of neuroreceptor binding and cerebral blood flow modulation. *Journal of Cerebral Blood Flow and Metabolism*, **2019**, 39, 131-146	7.3	22
81	Overlapping and Divergent Actions of Structurally Distinct Histone Deacetylase Inhibitors in Cardiac Fibroblasts. *Journal of Pharmacology and Experimental Therapeutics*, **2017**, 361, 140-150	4.7	20
80	Functionally Biased D2R Antagonists: Targeting the Arrestin Pathway to Improve Antipsychotic Treatment. *ACS Chemical Biology*, **2018**, 13, 1038-1047	4.9	20
79	In Vivo [F]GE-179 Brain Signal Does Not Show NMDA-Specific Modulation with Drug Challenges in Rodents and Nonhuman Primates. *ACS Chemical Neuroscience*, **2018**, 9, 298-305	5.7	20
78	Metabolic changes in the rodent brain after acute administration of salvinorin A. *Molecular Imaging and Biology*, **2009**, 11, 137-43	3.8	20
77	A pilot trial of RNS60 in amyotrophic lateral sclerosis. *Muscle and Nerve*, **2019**, 59, 303-308	3.4	19
76	PET neuroimaging studies of [(18)F]CABS13 in a double transgenic mouse model of Alzheimer's disease and nonhuman primates. *ACS Chemical Neuroscience*, **2015**, 6, 535-41	5.7	18
75	Development of a Fluorinated Class-I HDAC Radiotracer Reveals Key Chemical Determinants of Brain Penetrance. *ACS Chemical Neuroscience*, **2016**, 7, 528-33	5.7	18
74	Radiosynthesis and evaluation of [11C]EMPA as a potential PET tracer for orexin 2 receptors. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 3389-92	2.9	18
73	Synthesis and evaluation of methylated arylazepine compounds for PET imaging of 5-HT(2c) receptors. *ACS Chemical Neuroscience*, **2013**, 4, 261-5	5.7	18
72	Reducing problems of cyclic trimer deposits in supercritical carbon dioxide polyester dyeing machinery. *Journal of Supercritical Fluids*, **2003**, 26, 47-54	4.2	18

71	Development of [F]Maleimide-Based Glycogen Synthase Kinase-3 Ligands for Positron Emission Tomography Imaging. *ACS Medicinal Chemistry Letters*, **2017**, 8, 287-292	4.3	17
70	Design, synthesis, and evaluation of hydroxamic acid-based molecular probes for in vivo imaging of histone deacetylase (HDAC) in brain. *American Journal of Nuclear Medicine and Molecular Imaging*, **2013**, 4, 29-38	2.2	17
69	Exploring Structural Determinants of Inhibitor Affinity and Selectivity in Complexes with Histone Deacetylase 6. *Journal of Medicinal Chemistry*, **2020**, 63, 295-308	8.3	17
68	[C]PBR28 MR-PET imaging reveals lower regional brain expression of translocator protein (TSPO) in young adult males with autism spectrum disorder. *Molecular Psychiatry*, **2021**, 26, 1659-1669	15.1	17
67	PET Neurochemical Imaging Modes. *Seminars in Nuclear Medicine*, **2016**, 46, 20-7	5.4	16
66	PET imaging of fatty acid amide hydrolase with [(18)F]DOPP in nonhuman primates. *Molecular Pharmaceutics*, **2014**, 11, 3832-8	5.6	16
65	An efficient and practical radiosynthesis of [11C]temozolomide. *Organic Letters*, **2012**, 14, 5872-5	6.2	16
64	Radiosynthesis of C-11 labeled auxin (3-indolyl[1-11C]acetic acid) and its derivatives from gramine. *Journal of Labelled Compounds and Radiopharmaceuticals*, **2011**, 54, 433-437	1.9	16
63	Synthesis of [11C]SSR149415 and preliminary imaging studies using positron emission tomography. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 3103-6	2.9	16
62	Discrepancies in Kappa Opioid Agonist Binding Revealed through PET Imaging. *ACS Chemical Neuroscience*, **2019**, 10, 384-395	5.7	16
61	Moving Toward Multicenter Therapeutic Trials in Amyotrophic Lateral Sclerosis: Feasibility of Data Pooling Using Different Translocator Protein PET Radioligands. *Journal of Nuclear Medicine*, **2020**, 61, 1621-1627	8.9	15
60	Evaluation of potential PET imaging probes for the orexin 2 receptors. *Nuclear Medicine and Biology* , **2013**, 40, 1000-5	2.1	15
59	Positron Emission Tomography Assessment of the Intranasal Delivery Route for Orexin A. *ACS Chemical Neuroscience*, **2018**, 9, 358-368	5.7	15
58	An efficient and practical synthesis of [2-(11)C]indole via superfast nucleophilic [(11)C]cyanation and RANEY Nickel catalyzed reductive cyclization. *Organic and Biomolecular Chemistry*, **2015**, 13, 11235-43	3.9	13
57	Immediate and Persistent Effects of Salvinorin A on the Kappa Opioid Receptor in Rodents, Monitored In Vivo with PET. *Neuropsychopharmacology*, **2015**, 40, 2865-72	8.7	13
56	Translation of HDAC6 PET Imaging Using [F]EKZ-001-cGMP Production and Measurement of HDAC6 Target Occupancy in Nonhuman Primates. *ACS Chemical Neuroscience*, **2020**, 11, 1093-1101	5.7	12
55	Molecular and functional PET-fMRI measures of placebo analgesia in episodic migraine: Preliminary findings. *NeuroImage: Clinical*, **2018**, 17, 680-690	5.3	12
54	FDG-PET imaging reveals local brain glucose utilization is altered by class I histone deacetylase inhibitors. *Neuroscience Letters*, **2013**, 550, 119-24	3.3	12

53	Evaluation of [(11)C]metergoline as a PET radiotracer for 5HTR in nonhuman primates. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 7739-45	3.4	12
52	Thalamic neuroinflammation as a reproducible and discriminating signature for chronic low back pain. *Pain*, **2021**, 162, 1241-1249	8	12
51	Toward development of epigenetic drugs for central nervous system disorders: Modulating neuroplasticity via H3K4 methylation. *Psychiatry and Clinical Neurosciences*, **2016**, 70, 536-550	6.2	12
50	A simultaneous [C]raclopride positron emission tomography and functional magnetic resonance imaging investigation of striatal dopamine binding in autism. *Translational Psychiatry*, **2021**, 11, 33	8.6	11
49	Development of New Positron Emission Tomography Radiotracer for BET Imaging. *ACS Chemical Neuroscience*, **2017**, 8, 17-21	5.7	10
48	Functional Characterization of 5-HT Receptor Drugs in Nonhuman Primates Using Simultaneous PET-MR. *Journal of Neuroscience*, **2017**, 37, 10671-10678	6.6	9
47	Effects of ferumoxytol on quantitative PET measurements in simultaneous PET/MR whole-body imaging: a pilot study in a baboon model. *EJNMMI Physics*, **2015**, 2, 6	4.4	9
46	Nasal neuron PET imaging quantifies neuron generation and degeneration. *Journal of Clinical Investigation*, **2017**, 127, 681-694	15.9	9
45	Activity-dependent Regulation of Histone Lysine Demethylase KDM1A by a Putative Thiol/Disulfide Switch. *Journal of Biological Chemistry*, **2016**, 291, 24756-24767	5.4	9
44	The Role of Inflammation after Surgery for Elders (RISE) study: Study design, procedures, and cohort profile. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2019**, 11, 752-762	5.2	9
43	Adamantane/Cucurbituril: A Potential Pretargeted Imaging Strategy in Immuno-PET. *Molecular Imaging*, **2018**, 17, 1536012118799838	3.7	9
42	Classics in Neuroimaging: Imaging the Dopaminergic Pathway with PET. *ACS Chemical Neuroscience*, **2017**, 8, 1817-1819	5.7	8
41	Synthesis of N,N-diethyl-N-{4-[(E)-(4-nitrophenyl)diazenyl]phenyl}amine via in situ diazotisation and coupling in supercritical carbon dioxide. *Coloration Technology*, **2002**, 118, 273-276	2	8
40	Clinical validation of the novel HDAC6 radiotracer [F]EKZ-001 in the human brain. *European Journal of Nuclear Medicine and Molecular Imaging*, **2021**, 48, 596-611	8.8	8
39	Metal Protein-Attenuating Compound for PET Neuroimaging: Synthesis and Preclinical Evaluation of [C]PBT2. *Molecular Pharmaceutics*, **2018**, 15, 695-702	5.6	7
38	In vivo human brain expression of histone deacetylases in bipolar disorder. *Translational Psychiatry*, **2020**, 10, 224	8.6	7
37	Tracing the History of the Human Translocator Protein to Recent Neurodegenerative and Psychiatric Imaging. *ACS Chemical Neuroscience*, **2020**, 11, 2192-2200	5.7	7
36	Class I and II histone deacetylase expression is not altered in human amyotrophic lateral sclerosis: Neuropathological and positron emission tomography molecular neuroimaging evidence. *Muscle and Nerve*, **2019**, 60, 443-452	3.4	6

35	A chemical strategy for the cell-based detection of HDAC activity. *ACS Chemical Biology*, **2014**, 9, 1257-62	4.9	6
34	Characterisation of [11C]PR04.MZ in Papio anubis baboon: a selective high-affinity radioligand for quantitative imaging of the dopamine transporter. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 679-82	2.9	6
33	The Role of Inflammation after Surgery for Elders (RISE) study: Examination of [C]PBR28 binding and exploration of its link to post-operative delirium. *NeuroImage: Clinical*, **2020**, 27, 102346	5.3	6
32	Preclinical PET Neuroimaging of [11C]Bexarotene. *Molecular Imaging*, **2016**, 15,	3.7	6
31	A regularized full reference tissue model for PET neuroreceptor mapping. *NeuroImage*, **2016**, 139, 405-414	7.9	6
30	Imaging cardiac SCN5A using the novel F-18 radiotracer radiocaine. *Scientific Reports*, **2017**, 7, 42136	4.9	5
29	Radiosynthesis and biological evaluation of a novel enoyl-ACP reductase inhibitor for Staphylococcus aureus. *European Journal of Medicinal Chemistry*, **2014**, 88, 66-73	6.8	5
28	[(11)C]PR04.MZ, a promising DAT ligand for low concentration imaging: Synthesis, efficient (11)C-O-methylation and initial small animal PET studies. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 4343-5	2.9	5
27	Coevolution of Atomic Resolution and Whole-Brain Imaging for Tau Neurofibrillary Tangles. *ACS Chemical Neuroscience*, **2020**, 11, 2513-2522	5.7	5
26	Response to Comment on "In Vivo [F]GE-179 Brain Signal Does Not Show NMDA-Specific Modulation with Drug Challenges in Rodents and Nonhuman Primates". *ACS Chemical Neuroscience*, **2019**, 10, 773-775	5.7	5
25	Reply. *Annals of Neurology*, **2017**, 81, 324-325	9.4	4
24	Radiolabelling and positron emission tomography of PT70, a time-dependent inhibitor of InhA, the Mycobacterium tuberculosis enoyl-ACP reductase. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 4782-4786	2.9	4
23	Synthesis, properties and application of four new 1;2 aluminium-complexed azo dyes. *Coloration Technology*, **2003**, 119, 41-47	2	4
22	Design, construction and testing of a low-cost automated (68)Gallium-labeling synthesis unit for clinical use. *American Journal of Nuclear Medicine and Molecular Imaging*, **2016**, 6, 176-84	2.2	4
21	Specific F-FDHT Accumulation in Human Prostate Cancer Xenograft Murine Models Is Facilitated by Prebinding to Sex Hormone-Binding Globulin. *Journal of Nuclear Medicine*, **2018**, 59, 1538-1543	8.9	4
20	First D1-like receptor PET imaging of the rat and primate kidney: implications for human disease monitoring. *American Journal of Physiology - Renal Physiology*, **2014**, 307, F116-21	4.3	3
19	CN133, a Novel Brain-Penetrating Histone Deacetylase Inhibitor, Hampers Tumor Growth in Patient-Derived Pediatric Posterior Fossa Ependymoma Models. *Cancers*, **2020**, 12,	6.6	3
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16	The pandemic brain: Neuroinflammation in non-infected individuals during the COVID-19 pandemic.. *Brain, Behavior, and Immunity*, **2022**, 102, 89-97	16.6	3
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