

# Michael Kassiou

## List of Publications by Citations

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289  
papers

8,593  
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49  
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314  
ext. papers

9,806  
ext. citations

5  
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6.11  
L-index

#	Paper	IF	Citations
289	Boron in drug discovery: carboranes as unique pharmacophores in biologically active compounds. <i>Chemical Reviews</i> , <b>2011</b> , 111, 5701-22	68.1	484
288	Small animal SPECT and its place in the matrix of molecular imaging technologies. <i>Physics in Medicine and Biology</i> , <b>2005</b> , 50, R45-61	3.8	256
287	DPA-714, a new translocator protein-specific ligand: synthesis, radiofluorination, and pharmacologic characterization. <i>Journal of Nuclear Medicine</i> , <b>2008</b> , 49, 814-22	8.9	207
286	Comparative evaluation of the translocator protein radioligands 11C-DPA-713, 18F-DPA-714, and 11C-PK11195 in a rat model of acute neuroinflammation. <i>Journal of Nuclear Medicine</i> , <b>2009</b> , 50, 468-76	8.9	178
285	Molecular imaging of microglial activation in amyotrophic lateral sclerosis. <i>PLoS ONE</i> , <b>2012</b> , 7, e52941	3.7	166
284	Evaluation of the PBR/TSPO radioligand [(18F)]DPA-714 in a rat model of focal cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2010</b> , 30, 230-41	7.3	166
283	Neuroinflammation and brain atrophy in former NFL players: An in vivo multimodal imaging pilot study. <i>Neurobiology of Disease</i> , <b>2015</b> , 74, 58-65	7.5	160
282	Pharmacology of Valinate and tert-Leucinate Synthetic Cannabinoids 5F-AMBICA, 5F-AMB, 5F-ADB, AMB-FUBINACA, MDMB-FUBINACA, MDMB-CHMICA, and Their Analogues. <i>ACS Chemical Neuroscience</i> , <b>2016</b> , 7, 1241-54	5.7	157
281	Brain inflammation is induced by co-morbidities and risk factors for stroke. <i>Brain, Behavior, and Immunity</i> , <b>2011</b> , 25, 1113-22	16.6	150
280	Pharmacology of Indole and Indazole Synthetic Cannabinoid Designer Drugs AB-FUBINACA, ADB-FUBINACA, AB-PINACA, ADB-PINACA, 5F-AB-PINACA, 5F-ADB-PINACA, ADBICA, and 5F-ADBICA. <i>ACS Chemical Neuroscience</i> , <b>2015</b> , 6, 1546-59	5.7	143
279	Effects of bioisosteric fluorine in synthetic cannabinoid designer drugs JWH-018, AM-2201, UR-144, XLR-11, PB-22, 5F-PB-22, APICA, and STS-135. <i>ACS Chemical Neuroscience</i> , <b>2015</b> , 6, 1445-58	5.7	138
278	Translational evaluation of translocator protein as a marker of neuroinflammation in schizophrenia. <i>Molecular Psychiatry</i> , <b>2018</b> , 23, 323-334	15.1	129
277	The translocator protein. <i>Journal of Nuclear Medicine</i> , <b>2011</b> , 52, 677-80	8.9	122
276	Radiolabelled molecules for imaging the translocator protein (18 kDa) using positron emission tomography. <i>Current Medicinal Chemistry</i> , <b>2009</b> , 16, 2899-923	4.3	119
275	11C-DPA-713: a novel peripheral benzodiazepine receptor PET ligand for in vivo imaging of neuroinflammation. <i>Journal of Nuclear Medicine</i> , <b>2007</b> , 48, 573-81	8.9	119
274	Positron emission tomography imaging of neuroinflammation. <i>Neurotherapeutics</i> , <b>2007</b> , 4, 443-52	6.4	112
273	Low intrinsic efficacy for G protein activation can explain the improved side effect profiles of new opioid agonists. <i>Science Signaling</i> , <b>2020</b> , 13,	8.8	111

272	In vivo markers of inflammatory response in recent-onset schizophrenia: a combined study using [(11C)DPA-713 PET and analysis of CSF and plasma. <i>Translational Psychiatry</i> , <b>2016</b> , 6, e777	8.6	108
271	The first CNS-active carborane: A novel P2X7 receptor antagonist with antidepressant activity. <i>ACS Chemical Neuroscience</i> , <b>2014</b> , 5, 335-9	5.7	102
270	Imaging of Glial Cell Activation and White Matter Integrity in Brains of Active and Recently Retired National Football League Players. <i>JAMA Neurology</i> , <b>2017</b> , 74, 67-74	17.2	101
269	Initial evaluation of 11C-DPA-713, a novel TSPO PET ligand, in humans. <i>Journal of Nuclear Medicine</i> , <b>2009</b> , 50, 1276-82	8.9	101
268	DYRK1A in neurodegeneration and cancer: Molecular basis and clinical implications. <i>Pharmacology &amp; Therapeutics</i> , <b>2015</b> , 151, 87-98	13.9	99
267	Acute prosocial effects of oxytocin and vasopressin when given alone or in combination with 3,4-methylenedioxymethamphetamine in rats: involvement of the V1A receptor. <i>Neuropsychopharmacology</i> , <b>2013</b> , 38, 2249-59	8.7	99
266	[11C]-DPA-713 and [18F]-DPA-714 as new PET tracers for TSPO: a comparison with [11C]-(R)-PK11195 in a rat model of herpes encephalitis. <i>Molecular Imaging and Biology</i> , <b>2009</b> , 11, 386-98 <sup>3.8</sup>		99
265	Recent Developments in TSPO PET Imaging as A Biomarker of Neuroinflammation in Neurodegenerative Disorders. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	97
264	Initial evaluation in healthy humans of [18F]DPA-714, a potential PET biomarker for neuroinflammation. <i>Nuclear Medicine and Biology</i> , <b>2012</b> , 39, 570-8	2.1	96
263	Synthesis and in vivo evaluation of a novel peripheral benzodiazepine receptor PET radioligand. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 6188-94	3.4	94
262	Developing a preclinical model of Parkinson's disease: a study of behaviour in rats with graded 6-OHDA lesions. <i>Behavioural Brain Research</i> , <b>2006</b> , 169, 1-9	3.4	90
261	The translocator protein (18 kDa): central nervous system disease and drug design. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 581-92	8.3	84
260	Resilience and reduced c-Fos expression in P2X7 receptor knockout mice exposed to repeated forced swim test. <i>Neuroscience</i> , <b>2011</b> , 189, 170-7	3.9	82
259	Neuroinflammation in frontotemporal dementia. <i>Nature Reviews Neurology</i> , <b>2019</b> , 15, 540-555	15	77
258	Development of ligands for the peripheral benzodiazepine receptor. <i>Current Medicinal Chemistry</i> , <b>2006</b> , 13, 1991-2001	4.3	76
257	Imaging sigma receptors: applications in drug development. <i>Current Pharmaceutical Design</i> , <b>2007</b> , 13, 51-72	3.3	70
256	[18F]DPA-714: direct comparison with [11C]PK11195 in a model of cerebral ischemia in rats. <i>PLoS ONE</i> , <b>2013</b> , 8, e56441	3.7	69
255	An overview of late-stage functionalization in today's drug discovery. <i>Expert Opinion on Drug Discovery</i> , <b>2019</b> , 14, 1137-1149	6.2	68

254	Radiosynthesis of [18F]DPA-714, a selective radioligand for imaging the translocator protein (18 kDa) with PET. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2008</b> , 51, 286-292	1.9	68
253	The synthesis and pharmacological evaluation of adamantane-derived indoles: cannabimimetic drugs of abuse. <i>ACS Chemical Neuroscience</i> , <b>2013</b> , 4, 1081-92	5.7	67
252	P2X purinergic receptor ligands: recently patented compounds. <i>Expert Opinion on Therapeutic Patents</i> , <b>2010</b> , 20, 625-46	6.8	67
251	The translocator protein (TSPO): a novel target for cancer chemotherapy. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2013</b> , 45, 1212-6	5.6	66
250	Regional brain distribution of translocator protein using [(11)C]DPA-713 PET in individuals infected with HIV. <i>Journal of NeuroVirology</i> , <b>2014</b> , 20, 219-32	3.9	65
249	Increased Expression of Translocator Protein (TSPO) Marks Pro-inflammatory Microglia but Does Not Predict Neurodegeneration. <i>Molecular Imaging and Biology</i> , <b>2018</b> , 20, 94-102	3.8	64
248	The nonpeptide oxytocin receptor agonist WAY 267,464: receptor-binding profile, prosocial effects and distribution of c-Fos expression in adolescent rats. <i>Journal of Neuroendocrinology</i> , <b>2012</b> , 24, 1012-29 <sup>3.8</sup>	3.8	57
247	Reduced PBR/TSPO expression after minocycline treatment in a rat model of focal cerebral ischemia: a PET study using [(18)F]DPA-714. <i>Molecular Imaging and Biology</i> , <b>2011</b> , 13, 10-5	3.8	57
246	Body temperature and cardiac changes induced by peripherally administered oxytocin, vasopressin and the non-peptide oxytocin receptor agonist WAY 267,464: a biotelemetry study in rats. <i>British Journal of Pharmacology</i> , <b>2014</b> , 171, 2868-87	8.6	56
245	In vivo imaging of nicotinic receptor upregulation following chronic (-)-nicotine treatment in baboon using SPECT. <i>Nuclear Medicine and Biology</i> , <b>2001</b> , 28, 165-75	2.1	56
244	Metabolism and quantification of [(18)F]DPA-714, a new TSPO positron emission tomography radioligand. <i>Drug Metabolism and Disposition</i> , <b>2013</b> , 41, 122-31	4	55
243	In vivo evidence for microglial activation in neurodegenerative dementia. <i>Acta Neurologica Scandinavica</i> , <b>2006</b> , 185, 107-14	3.8	54
242	Altered proteostasis in aging and heat shock response in <i>C. elegans</i> revealed by analysis of the global and de novo synthesized proteome. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 3339-61	10.3	51
241	The therapeutic potential of $\alpha 7$ nicotinic acetylcholine receptor ( $\alpha 7$ nAChR) agonists for the treatment of the cognitive deficits associated with schizophrenia. <i>CNS Drugs</i> , <b>2015</b> , 29, 529-42	6.7	49
240	Comparative Evaluation of Three TSPO PET Radiotracers in a LPS-Induced Model of Mild Neuroinflammation in Rats. <i>Molecular Imaging and Biology</i> , <b>2017</b> , 19, 77-89	3.8	49
239	Design, synthesis, and structure-affinity relationships of regioisomeric N-benzyl alkyl ether piperazine derivatives as sigma-1 receptor ligands. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 6228-39	8.3	49
238	Peptides, Peptidomimetics, and Carbohydrate-Peptide Conjugates as Amyloidogenic Aggregation Inhibitors for Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , <b>2018</b> , 9, 1530-1551	5.7	48
237	Cubanes in Medicinal Chemistry. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 1078-1095	8.3	46

236	PET radioligands for the vesicular acetylcholine transporter (VACHT). <i>Current Topics in Medicinal Chemistry</i> , <b>2010</b> , 10, 1569-83	3	46
235	In vivo assessment of neuroinflammation in progressive multiple sclerosis: a proof of concept study with [F]DPA714 PET. <i>Journal of Neuroinflammation</i> , <b>2018</b> , 15, 314	10.1	45
234	Detection of the recently emerged synthetic cannabinoid 5F-MDMB-PICA in legal high products and human urine samples. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 196-205	3.5	43
233	Identification of the allosteric P2X receptor antagonist [C]SMW139 as a PET tracer of microglial activation. <i>Scientific Reports</i> , <b>2018</b> , 8, 6580	4.9	41
232	The Fifth Element in Drug Design: Boron in Medicinal Chemistry. <i>Australian Journal of Chemistry</i> , <b>2013</b> , 66, 1118	1.2	41
231	Recent Advances in the Mitsunobu Reaction: Modifications and Applications to Biologically Active Molecules. <i>Current Organic Chemistry</i> , <b>2009</b> , 13, 1610-1632	1.7	40
230	Comparison of binding parameters of sigma 1 and sigma 2 binding sites in rat and guinea pig brain membranes: novel subtype-selective trishomocubanes. <i>European Journal of Pharmacology</i> , <b>1996</b> , 311, 233-40	5.3	40
229	Amyloid load and translocator protein 18 kDa in APPswePS1-dE9 mice: a longitudinal study. <i>Neurobiology of Aging</i> , <b>2015</b> , 36, 1639-1652	5.6	39
228	Molecular probes for P2X7 receptor studies. <i>Current Medicinal Chemistry</i> , <b>2007</b> , 14, 1505-23	4.3	39
227	The evolving science of phytocannabinoids. <i>Nature Reviews Chemistry</i> , <b>2018</b> , 2,	34.6	37
226	Effects of translocator protein (18 kDa) ligands on microglial activation and neuronal death in the quinolinic-acid-injected rat striatum. <i>ACS Chemical Neuroscience</i> , <b>2012</b> , 3, 114-9	5.7	37
225	The therapeutic potential of sigma ( $\sigma$ ) receptors for the treatment of central nervous system diseases: evaluation of the evidence. <i>Current Pharmaceutical Design</i> , <b>2012</b> , 18, 884-901	3.3	37
224	Ligands for peripheral benzodiazepine binding sites in glial cells. <i>Brain Research Reviews</i> , <b>2005</b> , 48, 207-10		37
223	Radiosynthesis and pharmacological evaluation of [11C]EMD-95885: a high affinity ligand for NR2B-containing NMDA receptors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2004</b> , 12, 3229-37	3.4	37
222	Synthesis and in vitro evaluation of new benzovesamicol analogues as potential imaging probes for the vesicular acetylcholine transporter. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 745-53	3.4	36
221	Could (18) F-DPA-714 PET imaging be interesting to use in the early post-stroke period?. <i>EJNMMI Research</i> , <b>2014</b> , 4, 28	3.6	35
220	Improved synthesis of the peripheral benzodiazepine receptor ligand [11C]DPA-713 using [11C]methyl triflate. <i>Applied Radiation and Isotopes</i> , <b>2006</b> , 64, 570-3	1.7	35
219	O-GlcNAc Modification Protects against Protein Misfolding and Aggregation in Neurodegenerative Disease. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 2209-2221	5.7	33

218	Effect of maternal immune activation on the kynurenine pathway in preadolescent rat offspring and on MK801-induced hyperlocomotion in adulthood: amelioration by COX-2 inhibition. <i>Brain, Behavior, and Immunity</i> , <b>2014</b> , 41, 173-81	16.6	33
217	Structural Optimization and Pharmacological Evaluation of Inhibitors Targeting Dual-Specificity Tyrosine Phosphorylation-Regulated Kinases (DYRK) and CDC-like kinases (CLK) in Glioblastoma. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 2052-2070	8.3	31
216	Synthesis and Pharmacological Profiling of the Metabolites of Synthetic Cannabinoid Drugs APICA, STS-135, ADB-PINACA, and 5F-ADB-PINACA. <i>ACS Chemical Neuroscience</i> , <b>2017</b> , 8, 1673-1680	5.7	31
215	Pharmacology of Cumyl-Carboxamide Synthetic Cannabinoid New Psychoactive Substances (NPS) CUMYL-BICA, CUMYL-PICA, CUMYL-5F-PICA, CUMYL-5F-PINACA, and Their Analogues. <i>ACS Chemical Neuroscience</i> , <b>2017</b> , 8, 2159-2167	5.7	31
214	Cubyl amides: novel P2X7 receptor antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 3720-3	2.9	31
213	Pyrazolo[1,5-a]pyrimidine acetamides: 4-Phenyl alkyl ether derivatives as potent ligands for the 18 kDa translocator protein (TSPO). <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 5799-802	2.9	30
212	Synthesis, radiosynthesis and in vivo evaluation of 5-[3-(4-benzylpiperidin-1-yl)prop-1-ynyl]-1,3-dihydrobenzimidazol-2-[(11)C]one, as a potent NR(1A)/2B subtype selective NMDA PET radiotracer. <i>Bioorganic and Medicinal Chemistry</i> , <b>2003</b> , 11, 5401-8	3.4	30
211	The P2X receptor tracer [C]SMW139 as an in vivo marker of neuroinflammation in multiple sclerosis: a first-in man study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2020</b> , 47, 379-389	8.8	30
210	Trishomocubanes: novel sigma-receptor ligands modulate amphetamine-stimulated [3H]dopamine release. <i>European Journal of Pharmacology</i> , <b>2001</b> , 422, 39-45	5.3	29
209	Challenges and Opportunities in Central Nervous System Drug Discovery. <i>Trends in Chemistry</i> , <b>2019</b> , 1, 612-624	14.8	28
208	Disinhibition-like behavior in a P301S mutant tau transgenic mouse model of frontotemporal dementia. <i>Neuroscience Letters</i> , <b>2016</b> , 631, 24-29	3.3	28
207	Bio-orthogonal labeling as a tool to visualize and identify newly synthesized proteins in <i>Caenorhabditis elegans</i> . <i>Nature Protocols</i> , <b>2014</b> , 9, 2237-55	18.8	28
206	Targeting the Oxytocin System: New Pharmacotherapeutic Approaches. <i>Trends in Pharmacological Sciences</i> , <b>2019</b> , 40, 22-37	13.2	28
205	Promising potential of new generation translocator protein tracers providing enhanced contrast of arthritis imaging by positron emission tomography in a rat model of arthritis. <i>Arthritis Research and Therapy</i> , <b>2014</b> , 16, R70	5.7	27
204	Oxo-bridged isomers of aza-trishomocubane sigma (sigma) receptor ligands: Synthesis, in vitro binding, and molecular modeling. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 145-8	2.9	27
203	Pharmacological evaluation of [11C]A-84543: an enantioselective ligand for in vivo studies of neuronal nicotinic acetylcholine receptors. <i>Life Sciences</i> , <b>1998</b> , 63, PL13-8	6.8	27
202	Bioisosteric Fluorine in the Clandestine Design of Synthetic Cannabinoids. <i>Australian Journal of Chemistry</i> , <b>2015</b> , 68, 4	1.2	26
201	Synthesis and cellular uptake of boron-rich pyrazolopyrimidines: exploitation of the translocator protein for the efficient delivery of boron into human glioma cells. <i>Chemical Communications</i> , <b>2011</b> , 47, 12179-81	5.8	26

200	Fluorine-18 Chemistry for PET: A Concise Introduction. <i>Current Radiopharmaceuticals</i> , <b>2010</b> , 3, 68-80	1.8	26
199	In vitro determination of the efficacy of illicit synthetic cannabinoids at CB receptors. <i>British Journal of Pharmacology</i> , <b>2019</b> , 176, 4653-4665	8.6	25
198	Extracellular loops 2 and 4 of GLYT2 are required for N-arachidonylglycine inhibition of glycine transport. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 36424-36430	5.4	25
197	The 2-alkyl-2-indazole regioisomers of synthetic cannabinoids AB-CHMINACA, AB-FUBINACA, AB-PINACA, and 5F-AB-PINACA are possible manufacturing impurities with cannabimimetic activities. <i>Forensic Toxicology</i> , <b>2016</b> , 34, 286-303	2.6	25
196	Imaging glial activation in patients with post-treatment Lyme disease symptoms: a pilot study using [C]DPA-713 PET. <i>Journal of Neuroinflammation</i> , <b>2018</b> , 15, 346	10.1	25
195	The Polyphenol Altenusin Inhibits in Vitro Fibrillization of Tau and Reduces Induced Tau Pathology in Primary Neurons. <i>ACS Chemical Neuroscience</i> , <b>2017</b> , 8, 743-751	5.7	24
194	Structure-activity relationships of synthetic cannabinoid designer drug RCS-4 and its regioisomers and C4 homologues. <i>Forensic Toxicology</i> , <b>2015</b> , 33, 355-366	2.6	23
193	Synthesis of Biologically Active Seven-Membered-Ring Heterocycles. <i>Synthesis</i> , <b>2013</b> , 45, 3211-3227	2.9	23
192	Synthesis of 6- <sup>18</sup> F-fluoro-PBR28, a novel radiotracer for imaging the TSPO 18 kDa with PET. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 4819-22	2.9	23
191	Trishomocubanes: novel sigma ligands modulate cocaine-induced behavioural effects. <i>European Journal of Pharmacology</i> , <b>2007</b> , 555, 37-42	5.3	23
190	Synthesis and in vivo evaluation of a new PET radioligand for studying sigma-2 receptors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 3623-6	3.4	23
189	Trishomocubanes, a new class of selective and high affinity ligands for the sigma binding site. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1996</b> , 6, 595-600	2.9	22
188	Is there any correlation between binding and functional effects at the translocator protein (TSPO) (18 kDa)?. <i>Current Molecular Medicine</i> , <b>2012</b> , 12, 387-97	2.5	22
187	The development of CNS-active LRRK2 inhibitors using property-directed optimisation. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 3690-6	2.9	21
186	Pharmacological Evaluation of Novel Bioisosteres of an Adamantanyl Benzamide P2X Receptor Antagonist. <i>ACS Chemical Neuroscience</i> , <b>2017</b> , 8, 2374-2380	5.7	21
185	Radiation dosimetry and biodistribution of the TSPO ligand 11C-DPA-713 in humans. <i>Journal of Nuclear Medicine</i> , <b>2012</b> , 53, 330-5	8.9	21
184	Ex vivo and in vivo evaluation of (2R,3R)-5-[(18F)-fluoroethoxy- and fluoropropoxy-benzovesamicol, as PET radioligands for the vesicular acetylcholine transporter. <i>Synapse</i> , <b>2007</b> , 61, 962-70	2.4	21
183	Kinase targets in CNS drug discovery. <i>Future Medicinal Chemistry</i> , <b>2017</b> , 9, 303-314	4.1	20

182	TSPO as a target for glioblastoma therapeutics. <i>Biochemical Society Transactions</i> , <b>2015</b> , 43, 531-6	5.1	20
181	Insights into structure-activity relationships and CNS therapeutic applications of NR2B selective antagonists. <i>Current Medicinal Chemistry</i> , <b>2010</b> , 17, 4166-90	4.3	20
180	Boronated phosphonium salts containing arylboronic acid, closo-carborane, or nido-carborane: synthesis, X-ray diffraction, in vitro cytotoxicity, and cellular uptake. <i>Journal of Biological Inorganic Chemistry</i> , <b>2010</b> , 15, 1305-18	3.7	20
179	Optimisation of LRRK2 inhibitors and assessment of functional efficacy in cell-based models of neuroinflammation. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 95, 29-34	6.8	19
178	Improved accessibility to the desoxy analogues of $\Delta^9$ -tetrahydrocannabinol and cannabidiol. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 52-54	2	19
177	N-Arylalkyl-2-azaadamantanes as cage-expanded polycarbocyclic sigma ( $\sigma$ )receptor ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 5289-92	2.9	19
176	Longitudinal investigation of neuroinflammation and metabolite profiles in the APP $\beta$ S1 transgenic mouse model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , <b>2018</b> , 144, 318-335	6	19
175	Mouse models of frontotemporal dementia: A comparison of phenotypes with clinical symptomatology. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2017</b> , 74, 126-138	9	18
174	WAY 267,464, a non-peptide oxytocin receptor agonist, impairs social recognition memory in rats through a vasopressin 1A receptor antagonist action. <i>Psychopharmacology</i> , <b>2015</b> , 232, 2659-67	4.7	18
173	The translocator protein as a drug target in Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , <b>2014</b> , 14, 439-48	4.3	18
172	18F-ZW-104: a new radioligand for imaging neuronal nicotinic acetylcholine receptors--in vitro binding properties and PET studies in baboons. <i>Journal of Nuclear Medicine</i> , <b>2009</b> , 50, 1349-55	8.9	18
171	Lack of neuroinflammation in the HIV-1 transgenic rat: an [(18)F]-DPA714 PET imaging study. <i>Journal of Neuroinflammation</i> , <b>2015</b> , 12, 171	10.1	17
170	Structure-activity relationships of N-substituted 4-(trifluoromethoxy)benzamidines with affinity for GluN2B-containing NMDA receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 828-30	2.9	17
169	Oral pre-treatment with epigallocatechin gallate in 6-OHDA lesioned rats produces subtle symptomatic relief but not neuroprotection. <i>Brain Research Bulletin</i> , <b>2009</b> , 80, 397-402	3.9	17
168	Trishomocubane as a scaffold for the development of selective dopamine transporter (DAT) ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 38-41	2.9	17
167	Localization of temporal lobe epileptic foci with iodine-123 iododexetimide cholinergic neuroreceptor single-photon emission computed tomography. <i>Neurology</i> , <b>1996</b> , 47, 1015-20	6.5	17
166	Discovery and pharmacological evaluation of a novel series of adamantyl cyanoguanidines as P2X receptor antagonists. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 130, 433-439	6.8	16
165	Evidence for complex binding profiles and species differences at the translocator protein (TSPO) (18 kDa). <i>Current Molecular Medicine</i> , <b>2012</b> , 12, 488-93	2.5	16



164	Development of radioligands for in vivo imaging of GABA(A)-benzodiazepine receptors. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2004</b> , 4, 909-21	3.2	16
163	Pharmacological evaluation of a Br-76 analog of epibatidine: a potent ligand for studying brain nicotinic acetylcholine receptors. <i>Synapse</i> , <b>2002</b> , 45, 95-104	2.4	16
162	Evidence for Complex Binding Profiles and Species Differences at the Translocator Protein (TSPO) (18 kDa). <i>Current Molecular Medicine</i> , <b>2012</b> , 12, 488-493	2.5	16
161	Hydroxamic Acid Inhibitors Provide Cross-Species Inhibition of Plasmodium M1 and M17 Aminopeptidases. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 622-640	8.3	16
160	N-substituted 8-aminopentacyclo[5.4.0.0(2,6).0(3,10).0(5,9)]undecanes as $\mu$ receptor ligands with potential neuroprotective effects. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 6038-52	3.4	15
159	Neuroprotective effects of a selective N-methyl-D-aspartate NR2B receptor antagonist in the 6-hydroxydopamine rat model of Parkinson's disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2008</b> , 35, 1388-94	3	15
158	Radiosynthesis and in vivo evaluation of [ <sup>11</sup> C]Ro-647312: a novel NR1/2B subtype selective NMDA receptor radioligand. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2004</b> , 47, 911-920	1.9	15
157	Trishomocubanes: Requirements for $\mu$ Receptor Binding and Subtype Selectivity. <i>Australian Journal of Chemistry</i> , <b>2001</b> , 54, 31	1.2	15
156	Structure-metabolism relationships of valine and tert-leucine-derived synthetic cannabinoid receptor agonists: a systematic comparison of the in vitro phase I metabolism using pooled human liver microsomes and high-resolution mass spectrometry. <i>Forensic Toxicology</i> , <b>2019</b> , 37, 316-329	2.6	15
155	Acute and residual effects in adolescent rats resulting from exposure to the novel synthetic cannabinoids AB-PINACA and AB-FUBINACA. <i>Journal of Psychopharmacology</i> , <b>2017</b> , 31, 757-769	4.6	14
154	Radiosynthesis of (R,S)-[ <sup>18</sup> F]GE387: A Potential PET Radiotracer for Imaging Translocator Protein 18 kDa (TSPO) with Low Binding Sensitivity to the Human Gene Polymorphism rs6971. <i>ChemMedChem</i> , <b>2019</b> , 14, 982-993	3.7	14
153	Synthesis of Usnic Acid Derivatives and Evaluation of Their Antiproliferative Activity against Cancer Cells. <i>Journal of Natural Products</i> , <b>2019</b> , 82, 1768-1778	4.9	14
152	Neuroimaging of translocator protein in patients with systemic lupus erythematosus: a pilot study using [ <sup>11</sup> C]DPA-713 positron emission tomography. <i>Lupus</i> , <b>2017</b> , 26, 170-178	2.6	14
151	Inhibition of human recombinant T-type calcium channels by N-arachidonoyl 5-HT. <i>British Journal of Pharmacology</i> , <b>2012</b> , 167, 1076-88	8.6	14
150	A $\mu$ 1 receptor pharmacophore derived from a series of N-substituted 4-azahexacyclo[5.4.1.0(2,6).0(3,10).0(5,9).0(8,11)]dodecan-3-ols (AHDs). <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 6053-8	2.9	14
149	Evaluation of behavioural effects of a selective NMDA NR1A/2B receptor antagonist in the unilateral 6-OHDA lesion rat model. <i>Brain Research Bulletin</i> , <b>2009</b> , 78, 85-90	3.9	14
148	Detection of Neuroinflammation in a Rat Model of Subarachnoid Hemorrhage Using [ <sup>18</sup> F]DPA-714 PET Imaging. <i>Molecular Imaging</i> , <b>2016</b> , 15,	3.7	14
147	Water-soluble phosphonium salts containing 1,12-dicarba-closo-dodecaborane(12). <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 6457-6461	2	13

- 146 Behavioural effects of trishomocubanes in rats with unilateral 6-hydroxydopamine lesions. *Behavioural Brain Research*, **2008**, 190, 14-21 3.4 13
- 145 The role of positron emission tomography in the discovery and development of new drugs; as studied in laboratory animals. *European Journal of Drug Metabolism and Pharmacokinetics*, **2004**, 29, 1-6 2.7 13
- 144 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 12.1 13
- 143 Ether analogues of DPA-714 with subnanomolar affinity for the translocator protein (TSPO). *European Journal of Medicinal Chemistry*, **2015**, 93, 392-400 6.8 12
- 142 First Nondiscriminating Translocator Protein Ligands Produced from a Carbazole Scaffold. *Journal of Medicinal Chemistry*, **2019**, 62, 8235-8248 8.3 12
- 141 Sigma-binding site ligands inhibit K<sup>+</sup> currents in rat locus coeruleus neurons in vitro. *European Journal of Pharmacology*, **1998**, 361, 157-63 5.3 12
- 140 Synthesis and in vitro evaluation of novel derivatives of diphenylsulfide as serotonin transporter ligands. *Bioorganic and Medicinal Chemistry Letters*, **2006**, 16, 1297-300 2.9 12
- 139 (+)-[76Br]A-69024: a non-benzazepine radioligand for studies of dopamine D1 receptors using PET. *Nuclear Medicine and Biology*, **2002**, 29, 295-302 2.1 12
- 138 Synthesis and Binding Studies of Trishomocubanes: Novel Ligands for  $\alpha$  Binding Sites. *Australian Journal of Chemistry*, **1999**, 52, 653 1.2 12
- 137 [<sup>11</sup>C]A-69024: a potent and selective non-benzazepine radiotracer for in vivo studies of dopamine D1 receptors. *Nuclear Medicine and Biology*, **1995**, 22, 221-6 2.1 12
- 136 Human dosimetry and biodistribution of iodine-123-iododexetimide: a SPECT imaging agent for cholinergic muscarinic neuroreceptors. *Journal of Nuclear Medicine*, **1995**, 36, 1332-8 8.9 12
- 135 The Formation of Seven-Membered Heterocycles under Mild Pictet-Spengler Conditions: A Route to Pyrazolo[3,4]benzodiazepines. *Journal of Organic Chemistry*, **2016**, 81, 4883-9 4.2 12
- 134 Pharmacology of novel small-molecule tubulin inhibitors in glioblastoma cells with enhanced EGFR signalling. *Biochemical Pharmacology*, **2015**, 98, 587-601 6 11
- 133 Multi-modal imaging of long-term recovery post-stroke by positron emission tomography and matrix-assisted laser desorption/ionisation mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2018**, 32, 721-729 2.2 11
- 132 A practical, multigram synthesis of the 2-(2-(4-alkoxyphenyl)-5,7-dimethylpyrazolo[1,5-a]pyrimidin-3-yl)acetamide (DPA) class of high affinity translocator protein (TSPO) ligands. *Tetrahedron Letters*, **2012**, 53, 3780-3783 2 11
- 131 Derivatives of the pyrazolo[1,5-a]pyrimidine acetamide DPA-713 as translocator protein (TSPO) ligands and pro-apoptotic agents in human glioblastoma. *European Journal of Pharmaceutical Sciences*, **2017**, 96, 186-192 5.1 11
- 130 Exploration of ring size in a series of cyclic vicinal diamines with  $\alpha$  receptor affinity. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 5493-7 2.9 11
- 129 Synthesis and in vivo evaluation of [<sup>18</sup>F]N-(2-benzofuranylmethyl)-NP[4-(2-fluoroethoxy)benzyl]piperazine, a novel  $\alpha$  receptor PET imaging agent. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 6820-3 2.9 11

128	Behavioural effects of a selective NMDA NR1A/2B receptor antagonist in rats with unilateral 6-OHDA+parafascicular lesions. <i>Brain Research Bulletin</i> , <b>2009</b> , 78, 91-6	3.9	11
127	Radiosynthesis of (E)-N-(2-[ <sup>11</sup> C]methoxybenzyl)-3-phenyl-acrylamidine, a novel subnanomolar NR2B subtype-selective NMDA receptor antagonist. <i>Applied Radiation and Isotopes</i> , <b>2006</b> , 64, 348-54	1.7	11
126	The influence of tomograph sensitivity on kinetic parameter estimation in positron emission tomography imaging studies of the rat brain. <i>Nuclear Medicine and Biology</i> , <b>2000</b> , 27, 617-25	2.1	11
125	First Demonstration of Positive Allosteric-like Modulation at the Human Wild Type Translocator Protein (TSPO). <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 8743-9	8.3	10
124	MDMA (Ecstasy), oxytocin and vasopressin modulate social preference in rats: A role for handling and oxytocin receptors. <i>Pharmacology Biochemistry and Behavior</i> , <b>2016</b> , 150-151, 115-123	3.9	10
123	Flexible analogues of WAY-267,464: Synthesis and pharmacology at the human oxytocin and vasopressin 1a receptors. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 108, 730-740	6.8	10
122	Determination and reduction of translocator protein (TSPO) ligand rs6971 discrimination. <i>MedChemComm</i> , <b>2017</b> , 8, 202-210	5	10
121	The development of radiotracers for imaging sigma ( $\sigma$ ) receptors in the central nervous system (CNS) using positron emission tomography (PET). <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2013</b> , 56, 215-24	1.9	10
120	Purinergic P2X(7) receptor antagonists: Chemistry and fundamentals of biological screening. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 4861-5	3.4	10
119	Molecular hybridization of 4-azahexacyclo[5.4.1.0(2,6).0(3,10).0(5,9).0(8,11)]dodecane-3-ol with sigma ( $\sigma$ ) receptor ligands modulates off-target activity and subtype selectivity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 3622-6	2.9	10
118	Synthesis of 3-[(1-[ <sup>11</sup> C]methyl-2(S)-pyrrolidinyl) methoxy]pyridine and 3-[(1-[ <sup>11</sup> C]methyl-2(R)-pyrrolidinyl) methoxy]pyridine: Radioligands for in vivo studies of neuronal nicotinic acetylcholine receptors. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>1997</b> , 39, 425-431	1.9	10
117	Acetylenic pyridines for use in PET imaging of nicotinic receptors. <i>ChemMedChem</i> , <b>2007</b> , 2, 54-7	3.7	10
116	Decreased vesicular acetylcholine transporter and alpha(4)beta(2) nicotinic receptor density in the rat brain following 192 IgG-saporin immunolesioning. <i>Neuroscience Letters</i> , <b>2007</b> , 415, 97-101	3.3	10
115	Preparation of a bromine-76 labelled analogue of epibatidine: a potent ligand for nicotinic acetylcholine receptor studies. <i>Applied Radiation and Isotopes</i> , <b>2002</b> , 57, 713-7	1.7	10
114	Altered serum protein levels in frontotemporal dementia and amyotrophic lateral sclerosis indicate calcium and immunity dysregulation. <i>Scientific Reports</i> , <b>2020</b> , 10, 13741	4.9	10
113	Structure-activity relationship studies of SEN12333 analogues: determination of the optimal requirements for binding affinities at $\alpha 7$ nAChRs through incorporation of known structural motifs. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 95, 277-301	6.8	9
112	Anaesthetic-dependent changes in gene expression following acute and chronic exposure in the rodent brain. <i>Scientific Reports</i> , <b>2020</b> , 10, 9366	4.9	9
111	Differential activation of G protein-mediated signaling by synthetic cannabinoid receptor agonists. <i>Pharmacology Research and Perspectives</i> , <b>2020</b> , 8, e00566	3.1	9

110	[18F]DPA-C5yne, a novel fluorine-18-labelled analogue of DPA-714: radiosynthesis and preliminary evaluation as a radiotracer for imaging neuroinflammation with PET. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2014</b> , 57, 410-8	1.9	9
109	Synthesis and evaluation of iodine-123 labelled tricyclic tropanes as radioligands for the serotonin transporter. <i>Nuclear Medicine and Biology</i> , <b>2003</b> , 30, 741-6	2.1	9
108	Radiosynthesis of [123I]N-methyl-4-iododexetimide and [123I]N-methyl-4-iodolevetimide: in vitro and in vivo characterisation of binding to muscarinic receptors in the rat heart. <i>Nuclear Medicine and Biology</i> , <b>1996</b> , 23, 147-53	2.1	9
107	Pharmacological evaluation of a novel series of urea, thiourea and guanidine derivatives as P2X receptor antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 2439-2442	2.9	8
106	The novel P2X7 receptor antagonist PKT100 improves cardiac function and survival in pulmonary hypertension by direct targeting of the right ventricle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2020</b> , 319, H183-H191	5.2	8
105	Strategies to develop selective CB receptor agonists from indole carboxamide synthetic cannabinoids. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 180, 291-309	6.8	8
104	Pyrazolo[1,4]diazepines as non-peptidic probes of the oxytocin and vasopressin receptors. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 4568-4571	2	8
103	A practical synthesis of (1S,4S)-2,5-diazabicyclo[2.2.1]heptane. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 5345-5347	2	8
102	7-Azabicyclo[2.2.1]heptane as a scaffold for the development of selective sigma-2 ( $\sigma_2$ ) receptor ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 4059-63	2.9	8
101	Sequential 123I-iododexetimide scans in temporal lobe epilepsy: comparison with neuroimaging scans (MR imaging and 18F-FDG PET imaging). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2005</b> , 32, 180-5	8.8	8
100	Effects of streptozotocin-induced diabetes on neuronal sigma receptors in the rat brain. <i>Life Sciences</i> , <b>1999</b> , 65, PL 281-6	6.8	8
99	Insight into the Structural Features of TSPO: Implications for Drug Development. <i>Trends in Pharmacological Sciences</i> , <b>2020</b> , 41, 110-122	13.2	8
98	Targeting the MAPK7/MMP9 axis for metastasis in primary bone cancer. <i>Oncogene</i> , <b>2020</b> , 39, 5553-5569	9.2	8
97	Global phosphoproteomics reveals DYRK1A regulates CDK1 activity in glioblastoma cells. <i>Cell Death Discovery</i> , <b>2021</b> , 7, 81	6.9	8
96	Synthesis and in vitro evaluation of fluorine-18 benzimidazole sulfones as CB2 PET-radioligands. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 5086-5098	3.9	7
95	New-generation azaindole-adamantyl-derived synthetic cannabinoids. <i>Forensic Toxicology</i> , <b>2019</b> , 37, 350-365	3.5	7
94	Recent Advances in the Development of Sigma-1 Receptor Ligands. <i>Australian Journal of Chemistry</i> , <b>2015</b> , 68, 600	1.2	7
93	The chemistry and pharmacology of synthetic cannabinoid SDB-006 and its regioisomeric fluorinated and methoxylated analogs. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 1099	3.5	7

92	Consequences of linker length alteration of the $\beta 7$ nicotinic acetylcholine receptor (nAChR) agonist, SEN12333. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 2380-4	2.9	7
91	Effects of linker elongation in a series of N-(2-benzofuranylmethyl)-NP(methoxyphenylalkyl)piperazine $\beta$ receptor ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 5707-10	2.9	7
90	Challenges in molecular imaging of Parkinson's disease: a brief overview. <i>Brain Research Bulletin</i> , <b>2009</b> , 78, 105-8	3.9	7
89	Editorial [Hot Topic: Molecular Imaging in Drug Development (Executive Editor: M. Kassiou) ]. <i>Current Pharmaceutical Design</i> , <b>2007</b> , 13, 1-1	3.3	7
88	Iodine-123 N-methyl-4-iododexetimide: a new radioligand for single-photon emission tomographic imaging of myocardial muscarinic receptors. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>1995</b> , 22, 339-45		7
87	Radiosynthesis of (E)-1-(2-bromo-4,5-dimethoxybenzyl)-7-hydroxy-6-methoxy-2-[ <sup>11</sup> C]-methyl-1,2,3,4-tetrahydro-isoquinoline, [ <sup>11</sup> C]A-69024: A non-benzazepine antagonist for studying dopamine D1 receptors In vivo using PET. <i>Journal of Pharmaceutical Sciences</i> , <b>2004</b> , 93, 191-197	3.9	7
86	The Recent Development of $\beta 7$ Nicotinic Acetylcholine Receptor (nAChR) Ligands as Therapeutic Candidates for the Treatment of Central Nervous System (CNS) Diseases. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 2134-51	3.3	7
85	O-GlcNAcylation of truncated NAC segment alters peptide-dependent effects on $\beta$ -synuclein aggregation. <i>Bioorganic Chemistry</i> , <b>2020</b> , 94, 103389	5.1	7
84	Ring-opened aminothienopyridazines as novel tau aggregation inhibitors. <i>MedChemComm</i> , <b>2017</b> , 8, 1275-1282	5	6
83	Rapid access to N-(indol-2-yl)amides and N-(indol-3-yl)amides as unexplored pharmacophores. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 576-580	3.9	6
82	Imaging disease activity of rheumatoid arthritis by macrophage targeting using second generation translocator protein positron emission tomography tracers. <i>PLoS ONE</i> , <b>2019</b> , 14, e0222844	3.7	6
81	CNS cell type-specific gene profiling of P301S tau transgenic mice identifies genes dysregulated by progressive tau accumulation. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 14149-14162	5.4	6
80	Dopamine D1 receptor imaging in the rodent and primate brain using the isoquinoline +- [ <sup>11</sup> C]A-69024 and positron emission tomography. <i>Journal of Pharmaceutical Sciences</i> , <b>2008</b> , 97, 2811-9	3.9	6
79	Synthesis and Radiolabelling of Ipratropium and Tiotropium for Use as PET Ligands in the Study of Inhaled Drug Deposition. <i>Australian Journal of Chemistry</i> , <b>2006</b> , 59, 53	1.2	6
78	Synthesis and in vitro evaluation of N-substituted aza-trozamicol analogs as vesicular acetylcholine transporter ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2006</b> , 16, 2654-7	2.9	6
77	Pharmacological evaluation of (S)-8-[ <sup>123</sup> I]iodobretazenil: a radioligand for in vivo studies of central benzodiazepine receptors. <i>Nuclear Medicine and Biology</i> , <b>2003</b> , 30, 191-8	2.1	6
76	In vitro and in vivo characterisation of [ <sup>3</sup> H]ANSTO-14 binding to the sigma 1 binding sites. <i>Nuclear Medicine and Biology</i> , <b>1999</b> , 26, 209-15	2.1	6
75	PET imaging of P2XR in the experimental autoimmune encephalomyelitis model of multiple sclerosis using [ <sup>11</sup> C]SMW139. <i>Journal of Neuroinflammation</i> , <b>2020</b> , 17, 300	10.1	6

74	Onset of hippocampal network aberration and memory deficits in P301S tau mice are associated with an early gene signature. <i>Brain</i> , <b>2020</b> , 143, 1889-1904	11.2	5
73	Synthesis and biological evaluation of adenosines with heterobicyclic and polycyclic N(6)-substituents as adenosine A(1) receptor agonists. <i>ChemMedChem</i> , <b>2012</b> , 7, 1191-201	3.7	5
72	High-resolution imaging of the large non-human primate brain using microPET: a feasibility study. <i>Physics in Medicine and Biology</i> , <b>2007</b> , 52, 6627-38	3.8	5
71	(E)-[125I]-5-AOIBV: a SPECT radioligand for the vesicular acetylcholine transporter. <i>Nuclear Medicine and Biology</i> , <b>2007</b> , 34, 967-71	2.1	5
70	Synthesis of [76Br]4-bromodexetimide and [76Br]4-bromolevetimide: Radiotracers for studying muscarinic cholinergic receptors using PET. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>1995</b> , 36, 259-266	1.9	5
69	Synthesis and stereochemical assignment of heterocycles derived from (2S*,2R*,4R*,4R*,6S*,6R*)-4,4,6,6-tetramethylperhydro-2,2-bipyrimidine. <i>Journal of Organic Chemistry</i> , <b>1992</b> , 57, 3901-3905	4.2	5
68	Synthesis and in vitro evaluation of diverse heterocyclic diphenolic compounds as inhibitors of DYRK1A. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 5852-5869	3.4	5
67	Reversing binding sensitivity to A147T translocator protein. <i>RSC Medicinal Chemistry</i> , <b>2020</b> , 11, 511-517	3.5	4
66	Conformationally rigid derivatives of WAY-267,464: Synthesis and pharmacology at the human oxytocin and vasopressin-1a receptors. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 143, 1644-1656	6.8	4
65	Radiopharmaceuticals for PET imaging of neuroinflammation. <i>Medecine Nucleaire</i> , <b>2016</b> , 40, 72-81	0.1	4
64	Development of Vesicular Acetylcholine Transporter Ligands: Molecular Probes for Alzheimers Disease. <i>Current Bioactive Compounds</i> , <b>2010</b> , 6, 129-155	0.9	4
63	Synthesis and evaluation of halogenated dibenzodiazepines as muscarinic receptor ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1997</b> , 7, 799-804	2.9	4
62	Preferred Equatorial Linkages of Hexahydropyrimidine Rings in Dodecahydro-2,2-bipyrimidines. <i>Australian Journal of Chemistry</i> , <b>1991</b> , 44, 143	1.2	4
61	Modulation of human T-type calcium channels by synthetic cannabinoid receptor agonists in vitro. <i>Neuropharmacology</i> , <b>2021</b> , 187, 108478	5.5	4
60	Changes in cell morphology guide identification of tubulin as the off-target for protein kinase inhibitors. <i>Pharmacological Research</i> , <b>2018</b> , 134, 166-178	10.2	4
59	Investigation of pyrazolo-sulfonamides as putative small molecule oxytocin receptor agonists. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 136, 330-333	6.8	3
58	Novel Furan-2-yl-1-pyrazoles Possess Inhibitory Activity against $\beta$ -Synuclein Aggregation. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 2303-2315	5.7	3
57	Evaluation of F-IAM6067 as a sigma-1 receptor PET tracer for neurodegeneration in rodents and in human tissue. <i>Theranostics</i> , <b>2020</b> , 10, 7938-7955	12.1	3

56	Flexible Analogues of Azaindole DYRK1A Inhibitors Elicit Cytotoxicity in Glioblastoma Cells. <i>Australian Journal of Chemistry</i> , <b>2018</b> , 71, 789	1.2	3
55	Synthesis and evaluation of various heteroaromatic benzamides as analogues of $\mu$ lidene-benzamide cannabinoid type 2 receptor agonists. <i>Tetrahedron Letters</i> , <b>2019</b> , 60, 151019	2	3
54	Carborane-Containing Hydroxyamidine Scaffolds as Novel Inhibitors of Indoleamine 2,3-Dioxygenase 1 (IDO1). <i>Australian Journal of Chemistry</i> , <b>2015</b> , 68, 1866	1.2	3
53	Synthesis and In-Vivo Evaluation of [ <sup>11</sup> C]p-PVP-MEMA as a PET Radioligand for Imaging Nicotinic Receptors. <i>Australian Journal of Chemistry</i> , <b>2008</b> , 61, 438	1.2	3
52	3-Pyridyl ethers as SPECT radioligands for imaging nicotinic acetylcholine receptors. <i>Applied Radiation and Isotopes</i> , <b>2004</b> , 60, 669-76	1.7	3
51	Influence of trishomocubanes on sigma receptor binding of N-(1-benzyl-piperidin-4-yl)-4-[ <sup>123</sup> I]iodobenzamide in vivo in the rat brain. <i>Medicinal Chemistry</i> , <b>2005</b> , 1, 31-8	1.8	3
50	Radiosynthesis of bromine-76 and iodine-123 labelled enantiomers of A-69024: radioligands for dopamine D1 receptor studies using PET and SPECT. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2000</b> , 43, 339-346	1.9	3
49	Pharmacological evaluation of (+)-2- [ <sup>123</sup> I]A-69024: a radioligand for in vivo studies of dopamine D1 receptors. <i>Life Sciences</i> , <b>2001</b> , 69, 669-75	6.8	3
48	Pharmacological characterization and positron emission tomography evaluation of 4-[ <sup>76</sup> Br]bromodexetimide and 4-[ <sup>76</sup> Br]bromolevetimide for investigations of central muscarinic cholinergic receptors. <i>Nuclear Medicine and Biology</i> , <b>1996</b> , 23, 235-43	2.1	3
47	Synthesis of iodine-123 labelled analogues of the partial agonist (S)- and (R)-bretazenil for the study of CNS benzodiazepine receptors using SPECT. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>1996</b> , 38, 835-845	1.9	3
46	Reactions of perhydro-2,2Pbipyrimidines with carbonyl compounds bearing .alpha.-carbonyl functionality. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 5753-5758	4.2	3
45	Unexpected formation of 5,12-dimethyl-3,7,10,14,15,16-tetraazapentacyclo[7.5.1.12,8.15,16.112,15]octadecane, a novel caged nitrogen heterocycle, and preparation and X-ray crystal structure of its copper(II)chloride complex. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 4308-4312		3
44	Evidence for equatorial bridging in 2,2Pbis(hexahydropyrimidines), perhydro-4,5,8a,9a-tetraazafluorenes, and perhydro-3a,4a,7a,8a-tetraazacyclopentanofluorenes through one-bond carbon-hydrogen coupling. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 4308-4312	4.2	3
43	Synthesis of 7,7'-Linked-bis-Indoles via 7-Tryptamines. <i>Heterocycles</i> , <b>2016</b> , 93, 333	0.8	3
42	Tricyclic heterocycles display diverse sensitivity to the A147T TSPO polymorphism. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 207, 112725	6.8	3
41	A binge high sucrose diet provokes systemic and cerebral inflammation in rats without inducing obesity. <i>Scientific Reports</i> , <b>2021</b> , 11, 11252	4.9	3
40	Remarkable Enhancement in Boron Uptake Within Glioblastoma Cells With Carboranyl-Indole Carboxamides. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 3321-3327	4.5	3
39	The role of polycyclic frameworks in modulating P2X7 receptor function. <i>Tetrahedron</i> , <b>2018</b> , 74, 1207-1219		2

38	A systematic exploration of the effects of flexibility and basicity on sigma ( $\sigma$ ) receptor binding in a series of substituted diamines. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 9388-9405	3.9	2
37	Investigations of amide bond variation and biaryl modification in analogues of $\beta 7$ nAChR agonist SEN12333. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 84, 200-5	6.8	2
36	Attenuation correction for the large non-human primate brain imaging using microPET. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, 2351-63	3.8	2
35	The development of PET radioligands for imaging the translocator protein (18 kDa): What have we learned?. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2010</b> , 53, n/a-n/a	1.9	2
34	X-Ray Crystallographic Structures of Biologically Active Trishomocubanes of the Types Pentacyclo[5.4.0.02,6.03,10.05,9]undecylamines and 4-Azahexacyclo[5.4.1.02,6.03,10.05,9.08,11]dodecane. <i>Australian Journal of Chemistry</i> , <b>2000</b> , 53, 899	1.2	2
33	[ <sup>3</sup> H]A-69024: a non-benzazepine ligand for in vitro and in vivo studies of dopamine D1 receptors. <i>Life Sciences</i> , <b>1995</b> , 57, PL367-72	6.8	2
32	Synthesis of iodine-123 labelled analogues of imidazenil and ethyl-imidazenil for studying benzodiazepine receptors using SPECT. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>1996</b> , 38, 1121-1132	1.9	2
31	P2X7 in Bipolar and Depressive Disorders <b>2014</b> , 635-661		2
30	In vitro determination of the CB1 efficacy of illicit synthetic cannabinoids		2
29	Rapid Antibacterial Activity of Cannabichromenic Acid against Methicillin-Resistant. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	2
28	DYRK1A Negatively Regulates CDK5-SOX2 Pathway and Self-Renewal of Glioblastoma Stem Cells. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
27	117.2 Translational Evaluation of Translocator Protein (TSPO) as a Marker of Neuroinflammation in Schizophrenia. <i>Schizophrenia Bulletin</i> , <b>2017</b> , 43, S64-S64	1.3	1
26	11-[[2-(3-Fluoro-phen-yl)eth-yl](meth-yl)amino]-penta-cyclo-[5.4.0.0.0.0]undecan-8-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o2693		1
25	In vitro pharmacological properties of 4-bromodexetimide for muscarinic receptors. <i>Life Sciences</i> , <b>1996</b> , 58, PL337-44	6.8	1
24	Synthesis and stereochemical assignment of 2,5-trans-2,5?-trans-5,5?-dimethylperhydro-2,2?-bipyrimidine and heterocycles derived from its condensation with formaldehyde. <i>Tetrahedron</i> , <b>1994</b> , 50, 2497-2506	2.4	1
23	Adventures in Translocation: Studies of the Translocator Protein (TSPO) 18 kDa*. <i>Australian Journal of Chemistry</i> , <b>2021</b> ,	1.2	1
22	TSPO PET Imaging as a Biomarker of Neuroinflammation in Neurodegenerative Disorders. <i>Neuromethods</i> , <b>2022</b> , 407-427	0.4	1
21	The discovery of a potent and selective pyrazolo-[2,3-e]-[1,2,4]-triazine cannabinoid type 2 receptor agonist. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 210, 113087	6.8	1



20	Differential mitochondrial protein interaction profile between human translocator protein and its A147T polymorphism variant.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0254296	3.7	1
19	Novel plasma protein binding analysis method for a PET tracer and its radiometabolites: a case study with [ <sup>11</sup> C]SMW139 to explain the high uptake of radiometabolites in mouse brain. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2022</b> , 114860	3.5	1
18	Tobramycin and Colistin display anti-inflammatory properties in CuFi-1 cystic fibrosis cell line. <i>European Journal of Pharmacology</i> , <b>2021</b> , 902, 174098	5.3	0
17	Strategies for targeting the P2Y <sub>12</sub> receptor in the central nervous system. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2022</b> , 71, 128837	2.9	0
16	SAT0558 New Generation Translocator Protein Pet Tracers To Image Arthritis by Macrophage Targeting in Rheumatoid Arthritis Patients: A Proof of Concept Study. <i>Annals of the Rheumatic Diseases</i> , <b>2016</b> , 75, 871.2-871	2.4	
15	Efficient radiosynthesis of a [ <sup>18</sup> F]-phosphonium salt containing closo-carborane. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 4367-4371	2	
14	OP0235 Pet high affinity translocator protein ligands as a novel modality for macrophage targeting in arthritis. <i>Annals of the Rheumatic Diseases</i> , <b>2013</b> , 71, 135.2-135	2.4	
13	Is there Any Correlation Between Binding and Functional Effects at the Translocator Protein (TSPO) (18 kDa)?. <i>Current Molecular Medicine</i> , <b>2012</b> , 12, 387-397	2.5	
12	(1R,2S,3R,6S,7R,8S)-Tricyclo[6.2.1.0 <sup>2,7</sup> ]undeca-4,9-diene-3,6-diol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, o92-o93		
11	Quantification of 5-[ <sup>123</sup> I]IODO-A-85380 in nonhuman primates using SPECT: Parameter identifiability and stability. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2003</b> , 36, 185-190		
10	KINETIC MODELLING OF NICOTINIC ACETYLCHOLINE RECEPTORS WITH 5-[ <sup>123</sup> I]IODO-A-85380 AND DYNAMIC SINGLE-PHOTON EMISSION COMPUTED TOMOGRAPHY. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2002</b> , 35, 121-126		
9	A study of myocardial muscarinic receptors in streptozotocin-induced diabetic rats using iodine-123 N-methyl-4-iododexetimide. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>1999</b> , 26, 743-9 <sup>8.8</sup>		
8	Pharmacological characterization of a structural hybrid P2X <sub>7</sub> R antagonist using ATP and LL-37. <i>European Journal of Pharmacology</i> , <b>2021</b> , 914, 174667	5.3	
7	IL-1b release and pore formation induced by the human antimicrobial peptide LL-37 may be P2Y <sub>13</sub> receptor-mediated. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, PO4-1-41	0	
6	Pharmacological exploration of peptide ligands with short residence-time at the oxytocin receptor. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, PO4-1-74	0	
5	Pyrazolo[1, 4]diazepine-based small molecule oxytocin receptor partial agonists. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, PO4-1-24	0	
4	In vitro determination of the CB1 efficacy of illicit synthetic cannabinoids. <i>FASEB Journal</i> , <b>2019</b> , 33, lb384b.9		
3	Synthesis and antitumour evaluation of indole-2-carboxamides against paediatric brain cancer cells. <i>RSC Medicinal Chemistry</i> , <b>2021</b> , 12, 1910-1925	3.5	

- 2 Cannabis and Cannabinoids. *Australian Journal of Chemistry*, **2021**, 74, 367 1.2
- 1 Measuring Affinity of Ligands to the Oxytocin Receptor Using Radioligand Binding. *Methods in Molecular Biology*, **2022**, 2384, 231-245 1.4