

Michael Kassiou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

289
papers

8,593
citations

49
h-index

81
g-index

314
ext. papers

9,806
ext. citations

5
avg, IF

6.11
L-index

#	Paper	IF	Citations
289	TSPO PET Imaging as a Biomarker of Neuroinflammation in Neurodegenerative Disorders. <i>NeuroMethods</i> , 2022 , 407-427	0.4	1
288	Measuring Affinity of Ligands to the Oxytocin Receptor Using Radioligand Binding. <i>Methods in Molecular Biology</i> , 2022 , 2384, 231-245	1.4	
287	Differential mitochondrial protein interaction profile between human translocator protein and its A147T polymorphism variant.. <i>PLoS ONE</i> , 2022 , 17, e0254296	3.7	1
286	Novel plasma protein binding analysis method for a PET tracer and its radiometabolites: a case study with [11C]SMW139 to explain the high uptake of radiometabolites in mouse brain. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 114860	3.5	1
285	Strategies for targeting the P2Y12 receptor in the central nervous system. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022 , 71, 128837	2.9	0
284	Pharmacological characterization of a structural hybrid P2X7R antagonist using ATP and LL-37. <i>European Journal of Pharmacology</i> , 2021 , 914, 174667	5.3	
283	Adventures in Translocation: Studies of the Translocator Protein (TSPO) 18 kDa*. <i>Australian Journal of Chemistry</i> , 2021 ,	1.2	1
282	DYRK1A Negatively Regulates CDK5-SOX2 Pathway and Self-Renewal of Glioblastoma Stem Cells. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
281	Global phosphoproteomics reveals DYRK1A regulates CDK1 activity in glioblastoma cells. <i>Cell Death Discovery</i> , 2021 , 7, 81	6.9	8
280	Modulation of human T-type calcium channels by synthetic cannabinoid receptor agonists in vitro. <i>Neuropharmacology</i> , 2021 , 187, 108478	5.5	4
279	A binge high sucrose diet provokes systemic and cerebral inflammation in rats without inducing obesity. <i>Scientific Reports</i> , 2021 , 11, 11252	4.9	3
278	Tobramycin and Colistin display anti-inflammatory properties in CuFi-1 cystic fibrosis cell line. <i>European Journal of Pharmacology</i> , 2021 , 902, 174098	5.3	0
277	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> , 2021 , 210, 113087	6.8	1
276	Synthesis and antitumour evaluation of indole-2-carboxamides against paediatric brain cancer cells. <i>RSC Medicinal Chemistry</i> , 2021 , 12, 1910-1925	3.5	
275	Cannabis and Cannabinoids. <i>Australian Journal of Chemistry</i> , 2021 , 74, 367	1.2	
274	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. <i>Theranostics</i> , 2021 , 11, 6644-6667	12.1	13
273	Onset of hippocampal network aberration and memory deficits in P301S tau mice are associated with an early gene signature. <i>Brain</i> , 2020 , 143, 1889-1904	11.2	5

272	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> , 2020 , 319, H183-H191	5.2	8
271	Anaesthetic-dependent changes in gene expression following acute and chronic exposure in the rodent brain. <i>Scientific Reports</i> , 2020 , 10, 9366	4.9	9
270	Reversing binding sensitivity to A147T translocator protein. <i>RSC Medicinal Chemistry</i> , 2020 , 11, 511-517	3.5	4
269	Novel Furan-2-yl-1-pyrazoles Possess Inhibitory Activity against β -Synuclein Aggregation. <i>ACS Chemical Neuroscience</i> , 2020 , 11, 2303-2315	5.7	3
268	Evaluation of F-IAM6067 as a sigma-1 receptor PET tracer for neurodegeneration in rodents and in human tissue. <i>Theranostics</i> , 2020 , 10, 7938-7955	12.1	3
267	Differential activation of G protein-mediated signaling by synthetic cannabinoid receptor agonists. <i>Pharmacology Research and Perspectives</i> , 2020 , 8, e00566	3.1	9
266	Low intrinsic efficacy for G protein activation can explain the improved side effect profiles of new opioid agonists. <i>Science Signaling</i> , 2020 , 13,	8.8	111
265	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> , 2020 , 47, 379-389	8.8	30
264	Insight into the Structural Features of TSPO: Implications for Drug Development. <i>Trends in Pharmacological Sciences</i> , 2020 , 41, 110-122	13.2	8
263	O-GlcNAcylation of truncated NAC segment alters peptide-dependent effects on β -synuclein aggregation. <i>Bioorganic Chemistry</i> , 2020 , 94, 103389	5.1	7
262	Targeting the MAPK7/MMP9 axis for metastasis in primary bone cancer. <i>Oncogene</i> , 2020 , 39, 5553-5569	9.2	8
261	Altered serum protein levels in frontotemporal dementia and amyotrophic lateral sclerosis indicate calcium and immunity dysregulation. <i>Scientific Reports</i> , 2020 , 10, 13741	4.9	10
260	Tricyclic heterocycles display diverse sensitivity to the A147T TSPO polymorphism. <i>European Journal of Medicinal Chemistry</i> , 2020 , 207, 112725	6.8	3
259	PET imaging of P2XR in the experimental autoimmune encephalomyelitis model of multiple sclerosis using [C]SMW139. <i>Journal of Neuroinflammation</i> , 2020 , 17, 300	10.1	6
258	Rapid Antibacterial Activity of Cannabichromenic Acid against Methicillin-Resistant. <i>Antibiotics</i> , 2020 , 9,	4.9	2
257	Imaging disease activity of rheumatoid arthritis by macrophage targeting using second generation translocator protein positron emission tomography tracers. <i>PLoS ONE</i> , 2019 , 14, e0222844	3.7	6
256	Challenges and Opportunities in Central Nervous System Drug Discovery. <i>Trends in Chemistry</i> , 2019 , 1, 612-624	14.8	28
255	Synthesis and in vitro evaluation of fluorine-18 benzimidazole sulfones as CB2 PET-radioligands. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 5086-5098	3.9	7

254	O-GlcNAc Modification Protects against Protein Misfolding and Aggregation in Neurodegenerative Disease. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 2209-2221	5.7	33
253	Radiosynthesis of (R,S)-[¹⁸ 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> , 2019 , 14, 982-993	3.7	14
252	New-generation azaindole-adamantyl-derived synthetic cannabinoids. <i>Forensic Toxicology</i> , 2019 , 37, 350-365	3.65	7
251	Cubanes in Medicinal Chemistry. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 1078-1095	8.3	46
250	An overview of late-stage functionalization in today's drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2019 , 14, 1137-1149	6.2	68
249	In vitro determination of the efficacy of illicit synthetic cannabinoids at CB receptors. <i>British Journal of Pharmacology</i> , 2019 , 176, 4653-4665	8.6	25
248	First Nondiscriminating Translocator Protein Ligands Produced from a Carbazole Scaffold. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 8235-8248	8.3	12
247	CNS cell type-specific gene profiling of P301S tau transgenic mice identifies genes dysregulated by progressive tau accumulation. <i>Journal of Biological Chemistry</i> , 2019 , 294, 14149-14162	5.4	6
246	Synthesis and evaluation of various heteroaromatic benzamides as analogues of Δ^9 -tetrahydrocannabinol. <i>Tetrahedron Letters</i> , 2019 , 60, 151019	2	3
245	Neuroinflammation in frontotemporal dementia. <i>Nature Reviews Neurology</i> , 2019 , 15, 540-555	15	77
244	Strategies to develop selective CB receptor agonists from indole carboxamide synthetic cannabinoids. <i>European Journal of Medicinal Chemistry</i> , 2019 , 180, 291-309	6.8	8
243	Recent Developments in TSPO PET Imaging as A Biomarker of Neuroinflammation in Neurodegenerative Disorders. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	97
242	Synthesis of Usnic Acid Derivatives and Evaluation of Their Antiproliferative Activity against Cancer Cells. <i>Journal of Natural Products</i> , 2019 , 82, 1768-1778	4.9	14
241	In vitro determination of the CB1 efficacy of illicit synthetic cannabinoids. <i>FASEB Journal</i> , 2019 , 33, 1b384.9	4.9	9
240	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> , 2019 , 37, 316-329	2.6	15
239	Hydroxamic Acid Inhibitors Provide Cross-Species Inhibition of Plasmodium M1 and M17 Aminopeptidases. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 622-640	8.3	16
238	Targeting the Oxytocin System: New Pharmacotherapeutic Approaches. <i>Trends in Pharmacological Sciences</i> , 2019 , 40, 22-37	13.2	28
237	Multi-modal imaging of long-term recovery post-stroke by positron emission tomography and matrix-assisted laser desorption/ionisation mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018 , 32, 721-729	2.2	11

236	The chemistry and pharmacology of synthetic cannabinoid SDB-006 and its regioisomeric fluorinated and methoxylated analogs. <i>Drug Testing and Analysis</i> , 2018 , 10, 1099	3.5	7
235	The evolving science of phytocannabinoids. <i>Nature Reviews Chemistry</i> , 2018 , 2,	34.6	37
234	Identification of the allosteric P2X receptor antagonist [C]SMW139 as a PET tracer of microglial activation. <i>Scientific Reports</i> , 2018 , 8, 6580	4.9	41
233	Translational evaluation of translocator protein as a marker of neuroinflammation in schizophrenia. <i>Molecular Psychiatry</i> , 2018 , 23, 323-334	15.1	129
232	Detection of the recently emerged synthetic cannabinoid 5F-MDMB-PICA in Regal highPproducts and human urine samples. <i>Drug Testing and Analysis</i> , 2018 , 10, 196-205	3.5	43
231	Increased Expression of Translocator Protein (TSPO) Marks Pro-inflammatory Microglia but Does Not Predict Neurodegeneration. <i>Molecular Imaging and Biology</i> , 2018 , 20, 94-102	3.8	64
230	The role of polycyclic frameworks in modulating P2X7 receptor function. <i>Tetrahedron</i> , 2018 , 74, 1207-1219	1.9	2
229	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> , 2018 , 143, 1644-1656	6.8	4
228	Flexible Analogues of Azaindole DYRK1A Inhibitors Elicit Cytotoxicity in Glioblastoma Cells. <i>Australian Journal of Chemistry</i> , 2018 , 71, 789	1.2	3
227	IL-1b release and pore formation induced by the human antimicrobial peptide LL-37 may be P2Y13 receptor-mediated. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO4-1-41	0	
226	Pharmacological exploration of peptide ligands with short residence-time at the oxytocin receptor. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO4-1-74	0	
225	Pyrazolo[1, 4]diazepine-based small molecule oxytocin receptor partial agonists. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO4-1-24	0	
224	Longitudinal investigation of neuroinflammation and metabolite profiles in the APP B β 1 transgenic mouse model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2018 , 144, 318-335	6	19
223	In vivo assessment of neuroinflammation in progressive multiple sclerosis: a proof of concept study with [F]DPA714 PET. <i>Journal of Neuroinflammation</i> , 2018 , 15, 314	10.1	45
222	Imaging glial activation in patients with post-treatment Lyme disease symptoms: a pilot study using [C]DPA-713 PET. <i>Journal of Neuroinflammation</i> , 2018 , 15, 346	10.1	25
221	Remarkable Enhancement in Boron Uptake Within Glioblastoma Cells With Carboranyl-Indole Carboxamides. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3321-3327	4.5	3
220	Synthesis and in vitro evaluation of diverse heterocyclic diphenolic compounds as inhibitors of DYRK1A. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 5852-5869	3.4	5
219	Peptides, Peptidomimetics, and Carbohydrate-Peptide Conjugates as Amyloidogenic Aggregation Inhibitors for Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 1530-1551	5.7	48

218	Changes in cell morphology guide identification of tubulin as the off-target for protein kinase inhibitors. <i>Pharmacological Research</i> , 2018 , 134, 166-178	10.2	4
217	The Polyphenol Altenusin Inhibits in Vitro Fibrillization of Tau and Reduces Induced Tau Pathology in Primary Neurons. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 743-751	5.7	24
216	Mouse models of frontotemporal dementia: A comparison of phenotypes with clinical symptomatology. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 74, 126-138	9	18
215	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> , 2017 , 31, 757-769	4.6	14
214	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> , 2017 , 60, 2052-2070	8.3	31
213	Kinase targets in CNS drug discovery. <i>Future Medicinal Chemistry</i> , 2017 , 9, 303-314	4.1	20
212	Discovery and pharmacological evaluation of a novel series of adamantyl cyanoguanidines as P2X receptor antagonists. <i>European Journal of Medicinal Chemistry</i> , 2017 , 130, 433-439	6.8	16
211	Ring-opened aminothienopyridazines as novel tau aggregation inhibitors. <i>MedChemComm</i> , 2017 , 8, 1275-1282	6	6
210	Investigation of pyrazolo-sulfonamides as putative small molecule oxytocin receptor agonists. <i>European Journal of Medicinal Chemistry</i> , 2017 , 136, 330-333	6.8	3
209	Imaging of Glial Cell Activation and White Matter Integrity in Brains of Active and Recently Retired National Football League Players. <i>JAMA Neurology</i> , 2017 , 74, 67-74	17.2	101
208	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> , 2017 , 8, 1673-1680	5.7	31
207	Pharmacological evaluation of a novel series of urea, thiourea and guanidine derivatives as P2X receptor antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 2439-2442	2.9	8
206	Rapid access to N-(indol-2-yl)amides and N-(indol-3-yl)amides as unexplored pharmacophores. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 576-580	3.9	6
205	117.2 Translational Evaluation of Translocator Protein (TSPO) as a Marker of Neuroinflammation in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2017 , 43, S64-S64	1.3	1
204	Pharmacological Evaluation of Novel Bioisosteres of an Adamantanyl Benzamide P2X Receptor Antagonist. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 2374-2380	5.7	21
203	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> , 2017 , 8, 2159-2167	5.7	31
202	Efficient radiosynthesis of a [18F]-phosphonium salt containing closo-carborane. <i>Tetrahedron Letters</i> , 2017 , 58, 4367-4371	2	
201	Derivatives of the pyrazolo[1,5-a]pyrimidine acetamide DPA-713 as translocator protein (TSPO) ligands and pro-apoptotic agents in human glioblastoma. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 96, 186-192	5.1	11

200	Determination and reduction of translocator protein (TSPO) ligand rs6971 discrimination. <i>MedChemComm</i> , 2017 , 8, 202-210	5	10
199	Comparative Evaluation of Three TSPO PET Radiotracers in a LPS-Induced Model of Mild Neuroinflammation in Rats. <i>Molecular Imaging and Biology</i> , 2017 , 19, 77-89	3.8	49
198	Neuroimaging of translocator protein in patients with systemic lupus erythematosus: a pilot study using [C]DPA-713 positron emission tomography. <i>Lupus</i> , 2017 , 26, 170-178	2.6	14
197	A systematic exploration of the effects of flexibility and basicity on sigma (σ) receptor binding in a series of substituted diamines. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 9388-9405	3.9	2
196	Disinhibition-like behavior in a P301S mutant tau transgenic mouse model of frontotemporal dementia. <i>Neuroscience Letters</i> , 2016 , 631, 24-29	3.3	28
195	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> , 2016 , 7, 1241-54	5.7	157
194	MDMA (Ecstasy), oxytocin and vasopressin modulate social preference in rats: A role for handling and oxytocin receptors. <i>Pharmacology Biochemistry and Behavior</i> , 2016 , 150-151, 115-123	3.9	10
193	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> , 2016 , 75, 871.2-871	2.4	
192	Radiopharmaceuticals for PET imaging of neuroinflammation. <i>Medecine Nucleaire</i> , 2016 , 40, 72-81	0.1	4
191	Flexible analogues of WAY-267,464: Synthesis and pharmacology at the human oxytocin and vasopressin 1a receptors. <i>European Journal of Medicinal Chemistry</i> , 2016 , 108, 730-740	6.8	10
190	The Recent Development of $\alpha 7$ Nicotinic Acetylcholine Receptor (nAChR) Ligands as Therapeutic Candidates for the Treatment of Central Nervous System (CNS) Diseases. <i>Current Pharmaceutical Design</i> , 2016 , 22, 2134-51	3.3	7
189	Synthesis of 7,7'-Linked-bis-Indoles via 7-Tryptamines. <i>Heterocycles</i> , 2016 , 93, 333	0.8	3
188	Detection of Neuroinflammation in a Rat Model of Subarachnoid Hemorrhage Using [18F]DPA-714 PET Imaging. <i>Molecular Imaging</i> , 2016 , 15,	3.7	14
187	In vivo markers of inflammatory response in recent-onset schizophrenia: a combined study using [(11)C]DPA-713 PET and analysis of CSF and plasma. <i>Translational Psychiatry</i> , 2016 , 6, e777	8.6	108
186	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> , 2016 , 34, 286-303	2.6	25
185	The Formation of Seven-Membered Heterocycles under Mild Pictet-Spengler Conditions: A Route to Pyrazolo[3,4]benzodiazepines. <i>Journal of Organic Chemistry</i> , 2016 , 81, 4883-9	4.2	12
184	Recent Advances in the Development of Sigma-1 Receptor Ligands. <i>Australian Journal of Chemistry</i> , 2015 , 68, 600	1.2	7
183	Ether analogues of DPA-714 with subnanomolar affinity for the translocator protein (TSPO). <i>European Journal of Medicinal Chemistry</i> , 2015 , 93, 392-400	6.8	12

182	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> , 2015 , 6, 1546-59	5.7	143
181	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> , 2015 , 6, 1445-58	5.7	138
180	Optimisation of LRRK2 inhibitors and assessment of functional efficacy in cell-based models of neuroinflammation. <i>European Journal of Medicinal Chemistry</i> , 2015 , 95, 29-34	6.8	19
179	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> , 2015 , 232, 2659-67	4.7	18
178	DYRK1A in neurodegeneration and cancer: Molecular basis and clinical implications. <i>Pharmacology & Therapeutics</i> , 2015 , 151, 87-98	13.9	99
177	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> , 2015 , 95, 277-301	6.8	9
176	Pharmacology of novel small-molecule tubulin inhibitors in glioblastoma cells with enhanced EGFR signalling. <i>Biochemical Pharmacology</i> , 2015 , 98, 587-601	6	11
175	First Demonstration of Positive Allosteric-like Modulation at the Human Wild Type Translocator Protein (TSPO). <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 8743-9	8.3	10
174	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> , 2015 , 29, 529-42	6.7	49
173	Neuroinflammation and brain atrophy in former NFL players: An in vivo multimodal imaging pilot study. <i>Neurobiology of Disease</i> , 2015 , 74, 58-65	7.5	160
172	Bioisosteric Fluorine in the Clandestine Design of Synthetic Cannabinoids. <i>Australian Journal of Chemistry</i> , 2015 , 68, 4	1.2	26
171	TSPO as a target for glioblastoma therapeutics. <i>Biochemical Society Transactions</i> , 2015 , 43, 531-6	5.1	20
170	Lack of neuroinflammation in the HIV-1 transgenic rat: an $[(18)F]$ -DPA714 PET imaging study. <i>Journal of Neuroinflammation</i> , 2015 , 12, 171	10.1	17
169	Structure-activity relationships of synthetic cannabinoid designer drug RCS-4 and its regioisomers and C4 homologues. <i>Forensic Toxicology</i> , 2015 , 33, 355-366	2.6	23
168	Carborane-Containing Hydroxyamidine Scaffolds as Novel Inhibitors of Indoleamine 2,3-Dioxygenase 1 (IDO1). <i>Australian Journal of Chemistry</i> , 2015 , 68, 1866	1.2	3
167	Amyloid load and translocator protein 18 kDa in APP ^{swe} PS1-dE9 mice: a longitudinal study. <i>Neurobiology of Aging</i> , 2015 , 36, 1639-1652	5.6	39
166	Regional brain distribution of translocator protein using $[(11)C]$ DPA-713 PET in individuals infected with HIV. <i>Journal of NeuroVirology</i> , 2014 , 20, 219-32	3.9	65
165	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> , 2014 , 71, 3339-61	10.3	51

164	The first CNS-active carborane: A novel P2X7 receptor antagonist with antidepressant activity. <i>ACS Chemical Neuroscience</i> , 2014 , 5, 335-9	5.7	102
163	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> , 2014 , 171, 2868-87	8.6	56
162	[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> , 2014 , 57, 410-8	1.9	9
161	Bio-orthogonal labeling as a tool to visualize and identify newly synthesized proteins in <i>Caenorhabditis elegans</i> . <i>Nature Protocols</i> , 2014 , 9, 2237-55	18.8	28
160	Pyrazolo[1,4]diazepines as non-peptidic probes of the oxytocin and vasopressin receptors. <i>Tetrahedron Letters</i> , 2014 , 55, 4568-4571	2	8
159	Investigations of amide bond variation and biaryl modification in analogues of $\alpha 7$ nAChR agonist SEN12333. <i>European Journal of Medicinal Chemistry</i> , 2014 , 84, 200-5	6.8	2
158	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> , 2014 , 16, R70	5.7	27
157	Could (18) F-DPA-714 PET imaging be interesting to use in the early post-stroke period?. <i>EJNMMI Research</i> , 2014 , 4, 28	3.6	35
156	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> , 2014 , 41, 173-81	16.6	33
155	The translocator protein as a drug target in Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , 2014 , 14, 439-48	4.3	18
154	Structure-activity relationships of N-substituted 4-(trifluoromethoxy)benzamidines with affinity for GluN2B-containing NMDA receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 828-30	2.9	17
153	P2X7 in Bipolar and Depressive Disorders 2014 , 635-661		2
152	The Fifth Element in Drug Design: Boron in Medicinal Chemistry. <i>Australian Journal of Chemistry</i> , 2013 , 66, 1118	1.2	41
151	A practical synthesis of (1S,4S)-2,5-diazabicyclo[2.2.1]heptane. <i>Tetrahedron Letters</i> , 2013 , 54, 5345-5347	2	8
150	The development of CNS-active LRRK2 inhibitors using property-directed optimisation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 3690-6	2.9	21
149	Improved accessibility to the desoxy analogues of Δ^9 -tetrahydrocannabinol and cannabidiol. <i>Tetrahedron Letters</i> , 2013 , 54, 52-54	2	19
148	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> , 2013 , 38, 2249-59	8.7	99
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12	[11C]A-69024: a potent and selective non-benzazepine radiotracer for in vivo studies of dopamine D1 receptors. <i>Nuclear Medicine and Biology</i> , 1995 , 22, 221-6	2.1	12
11	[3H]A-69024: a non-benzazepine ligand for in vitro and in vivo studies of dopamine D1 receptors. <i>Life Sciences</i> , 1995 , 57, PL367-72	6.8	2
10	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> , 1995 , 36, 259-266	1.9	5
9	Human dosimetry and biodistribution of iodine-123-iododexetimide: a SPECT imaging agent for cholinergic muscarinic neuroreceptors. <i>Journal of Nuclear Medicine</i> , 1995 , 36, 1332-8	8.9	12
8	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> , 1994 , 50, 2497-2506	2.4	1
7	Radiosynthesis of (E)-1-(2-bromo-4,5-dimethoxybenzyl)-7-hydroxy-6-methoxy-2-[11C]-methyl-1,2,3,4-tetrahydro-isoquinoline, [11C]A-69024: A non-benzazepine antagonist for studying dopamine D1 receptors In vivo using PET. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1994 , 34, 431-437	1.9	7
6	Reactions of perhydro-2,2Pbipyrimidines with carbonyl compounds bearing .alpha.-carbonyl functionality. <i>Journal of Organic Chemistry</i> , 1993 , 58, 5753-5758	4.2	3
5	Synthesis and stereochemical assignment of heterocycles derived from (2S*,2R*,4R*,4R*,6S*,6R*)-4,4',6,6'Tetramethylperhydro-2,2Pbipyrimidine. <i>Journal of Organic Chemistry</i> , 1992 , 57, 3901-3905	4.2	5
4	Preferred Equatorial Linkages of Hexahydropyrimidine Rings in Dodecahydro-2,2Pbipyrimidines. <i>Australian Journal of Chemistry</i> , 1991 , 44, 143	1.2	4
3	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 the Chemical Society Chemical Communications</i> , 1991 , 607		3

2	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> , 1991 , 56, 4308-4312	4.2	3
1	In vitro determination of the CB1 efficacy of illicit synthetic cannabinoids		2