

# Michael Kassiou

## List of Publications by Year in descending order

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295  
papers

10,951  
citations

30047

54  
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45285

90  
g-index

314  
all docs

314  
docs citations

314  
times ranked

11891  
citing authors

#	ARTICLE	IF	CITATIONS
1	Boron in Drug Discovery: Carboranes as Unique Pharmacophores in Biologically Active Compounds. <i>Chemical Reviews</i> , 2011, 111, 5701-5722.	23.0	595
2	Small animal SPECT and its place in the matrix of molecular imaging technologies. <i>Physics in Medicine and Biology</i> , 2005, 50, R45-R61.	1.6	286
3	DPA-714, a New Translocator Protein-Specific Ligand: Synthesis, Radiofluorination, and Pharmacologic Characterization. <i>Journal of Nuclear Medicine</i> , 2008, 49, 814-822.	2.8	237
4	Low intrinsic efficacy for G protein activation can explain the improved side effect profiles of new opioid agonists. <i>Science Signaling</i> , 2020, 13, .	1.6	219
5	Pharmacology of Valinate and <i>tert</i> -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, 1241-1254.	1.7	214
6	Comparative Evaluation of the Translocator Protein Radioligands <sup>11</sup> C-DPA-713, <sup>18</sup> F-DPA-714, and <sup>11</sup> C-PK11195 in a Rat Model of Acute Neuroinflammation. <i>Journal of Nuclear Medicine</i> , 2009, 50, 468-476.	2.8	208
7	Neuroinflammation and brain atrophy in former NFL players: An in vivo multimodal imaging pilot study. <i>Neurobiology of Disease</i> , 2015, 74, 58-65.	2.1	208
8	Molecular Imaging of Microglial Activation in Amyotrophic Lateral Sclerosis. <i>PLoS ONE</i> , 2012, 7, e52941.	1.1	203
9	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, 1546-1559.	1.7	202
10	Evaluation of the PBR/TSPO Radioligand [ <sup>18</sup> F]DPA-714 in a Rat Model of Focal Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 230-241.	2.4	184
11	Brain inflammation is induced by co-morbidities and risk factors for stroke. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 1113-1122.	2.0	173
12	Recent Developments in TSPO PET Imaging as A Biomarker of Neuroinflammation in Neurodegenerative Disorders. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3161.	1.8	173
13	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, 1445-1458.	1.7	167
14	Translational evaluation of translocator protein as a marker of neuroinflammation in schizophrenia. <i>Molecular Psychiatry</i> , 2018, 23, 323-334.	4.1	159
15	Neuroinflammation in frontotemporal dementia. <i>Nature Reviews Neurology</i> , 2019, 15, 540-555.	4.9	159
16	An overview of late-stage functionalization in today's drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2019, 14, 1137-1149.	2.5	140
17	The Translocator Protein. <i>Journal of Nuclear Medicine</i> , 2011, 52, 677-680.	2.8	139
18	<sup>11</sup> C-DPA-713: A Novel Peripheral Benzodiazepine Receptor PET Ligand for In Vivo Imaging of Neuroinflammation. <i>Journal of Nuclear Medicine</i> , 2007, 48, 573-581.	2.8	137

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19	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> , 2016, 6, e777-e777.	2.4	134
20	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.	4.5	134
21	Radiolabelled Molecules for Imaging the Translocator Protein (18 kDa) Using Positron Emission Tomography. <i>Current Medicinal Chemistry</i> , 2009, 16, 2899-2923.	1.2	123
22	DYRK1A in neurodegeneration and cancer: Molecular basis and clinical implications. , 2015, 151, 87-98.		122
23	Positron emission tomography imaging of neuroinflammation. <i>Neurotherapeutics</i> , 2007, 4, 443-452.	2.1	119
24	The First CNS-Active Carborane: A Novel P2X <sub>7</sub> Receptor Antagonist with Antidepressant Activity. <i>ACS Chemical Neuroscience</i> , 2014, 5, 335-339.	1.7	118
25	Initial Evaluation of <sup>11</sup> C-DPA-713, a Novel TSPO PET Ligand, in Humans. <i>Journal of Nuclear Medicine</i> , 2009, 50, 1276-1282.	2.8	117
26	Initial evaluation in healthy humans of [18F]DPA-714, a potential PET biomarker for neuroinflammation. <i>Nuclear Medicine and Biology</i> , 2012, 39, 570-578.	0.3	115
27	[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> , 2009, 11, 386-98.	1.3	113
28	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, 2249-2259.	2.8	112
29	Developing a preclinical model of Parkinson's disease: A study of behaviour in rats with graded 6-OHDA lesions. <i>Behavioural Brain Research</i> , 2006, 169, 1-9.	1.2	109
30	Synthesis and in vivo evaluation of a novel peripheral benzodiazepine receptor PET radioligand. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 6188-6194.	1.4	108
31	Cubanes in Medicinal Chemistry. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1078-1095.	2.9	97
32	Resilience and reduced c-Fos expression in P2X7 receptor knockout mice exposed to repeated forced swim test. <i>Neuroscience</i> , 2011, 189, 170-177.	1.1	95
33	The Translocator Protein (18 kDa): Central Nervous System Disease and Drug Design. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 581-592.	2.9	92
34	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.	1.3	88
35	Development of Ligands for the Peripheral Benzodiazepine Receptor. <i>Current Medicinal Chemistry</i> , 2006, 13, 1991-2001.	1.2	83
36	The translocator protein (TSPO): A novel target for cancer chemotherapy. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 1212-1216.	1.2	82

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37	The Synthesis and Pharmacological Evaluation of Adamantane-Derived Indoles: Cannabimimetic Drugs of Abuse. <i>ACS Chemical Neuroscience</i> , 2013, 4, 1081-1092.	1.7	80
38	Imaging Sigma Receptors: Applications in Drug Development. <i>Current Pharmaceutical Design</i> , 2007, 13, 51-72.	0.9	78
39	Regional brain distribution of translocator protein using [11C]DPA-713 PET in individuals infected with HIV. <i>Journal of NeuroVirology</i> , 2014, 20, 219-232.	1.0	78
40	Detection of the recently emerged synthetic cannabinoid 5F-MDMB-PICA in "legal high"™ products and human urine samples. <i>Drug Testing and Analysis</i> , 2018, 10, 196-205.	1.6	78
41	P2X purinergic receptor ligands: recently patented compounds. <i>Expert Opinion on Therapeutic Patents</i> , 2010, 20, 625-646.	2.4	77
42	[18F]DPA-714: Direct Comparison with [11C]PK11195 in a Model of Cerebral Ischemia in Rats. <i>PLoS ONE</i> , 2013, 8, e56441.	1.1	77
43	Radiosynthesis of [ <sup>18</sup> F]DPA-714, a selective radioligand for imaging the translocator protein (18kDa) with PET. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2008, 51, 286-292.	0.5	76
44	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, 2868-2887.	2.7	70
45	Peptides, Peptidomimetics, and Carbohydrate-Peptide Conjugates as Amyloidogenic Aggregation Inhibitors for Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1530-1551.	1.7	70
46	In vivo assessment of neuroinflammation in progressive multiple sclerosis: a proof of concept study with [18F]DPA-714 PET. <i>Journal of Neuroinflammation</i> , 2018, 15, 314.	3.1	64
47	Reduced PBR/TSPO Expression After Minocycline Treatment in a Rat Model of Focal Cerebral Ischemia: A PET Study Using [18F]DPA-714. <i>Molecular Imaging and Biology</i> , 2011, 13, 10-15.	1.3	63
48	The Nonpeptide Oxytocin Receptor Agonist WAY 267,464: Receptor Binding Profile, Prosocial Effects and Distribution of Fos Expression in Adolescent Rats. <i>Journal of Neuroendocrinology</i> , 2012, 24, 1012-1029.	1.2	63
49	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, 3339-3361.	2.4	63
50	Design, Synthesis, and Structure-Affinity Relationships of Regioisomeric <i>N</i> -Benzyl Alkyl Ether Piperazine Derivatives as 5-HT <sub>1</sub> Receptor Ligands. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6228-6239.	2.9	62
51	In vivo evidence for microglial activation in neurodegenerative dementia. <i>Acta Neurologica Scandinavica</i> , 2006, 114, 107-114.	1.0	61
52	Metabolism and Quantification of [ <sup>18</sup> F]DPA-714, a New TSPO Positron Emission Tomography Radioligand. <i>Drug Metabolism and Disposition</i> , 2013, 41, 122-131.	1.7	61
53	In vivo imaging of nicotinic receptor upregulation following chronic (-)-nicotine treatment in baboon using SPECT. <i>Nuclear Medicine and Biology</i> , 2001, 28, 165-175.	0.3	59
54	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, 529-542.	2.7	58

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55	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.	1.3	58
56	<i>O</i> -GlcNAc Modification Protects against Protein Misfolding and Aggregation in Neurodegenerative Disease. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2209-2221.	1.7	56
57	The evolving science of phytocannabinoids. <i>Nature Reviews Chemistry</i> , 2018, 2, .	13.8	55
58	PET Radioligands for the Vesicular Acetylcholine Transporter (VACHT). <i>Current Topics in Medicinal Chemistry</i> , 2010, 10, 1569-1583.	1.0	54
59	Identification of the allosteric P2X7 receptor antagonist [11C]SMW139 as a PET tracer of microglial activation. <i>Scientific Reports</i> , 2018, 8, 6580.	1.6	54
60	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.	1.7	53
61	The Fifth Element in Drug Design: Boron in Medicinal Chemistry. <i>Australian Journal of Chemistry</i> , 2013, 66, 1118.	0.5	48
62	Imaging glial activation in patients with post-treatment Lyme disease symptoms: a pilot study using [11C]DPA-713 PET. <i>Journal of Neuroinflammation</i> , 2018, 15, 346.	3.1	46
63	In vitro determination of the efficacy of illicit synthetic cannabinoids at CB <sub>1</sub> receptors. <i>British Journal of Pharmacology</i> , 2019, 176, 4653-4665.	2.7	46
64	Challenges and Opportunities in Central Nervous System Drug Discovery. <i>Trends in Chemistry</i> , 2019, 1, 612-624.	4.4	46
65	Comparison of binding parameters of $\text{[}\alpha\text{]}$ and $\text{[}\beta\text{]}$ binding sites in rat and guinea pig brain membranes: novel subtype-selective trishomocubanes. <i>European Journal of Pharmacology</i> , 1996, 311, 233-240.	1.7	44
66	Recent Advances in the Mitsunobu Reaction: Modifications and Applications to Biologically Active Molecules. <i>Current Organic Chemistry</i> , 2009, 13, 1610-1632.	0.9	44
67	The P2X7 receptor tracer [11C]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.	3.3	44
68	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> , 2012, 3, 114-119.	1.7	43
69	Amyloid load and translocator protein 18 kDa in APP <sup>swe</sup> PS1-dE9 mice: a longitudinal study. <i>Neurobiology of Aging</i> , 2015, 36, 1639-1652.	1.5	43
70	Targeting the Oxytocin System: New Pharmacotherapeutic Approaches. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 22-37.	4.0	43
71	Molecular Probes for P2X7 Receptor Studies. <i>Current Medicinal Chemistry</i> , 2007, 14, 1505-1523.	1.2	42
72	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.	1.7	42

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73	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.	4.6	42
74	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.	2.9	41
75	Could <sup>18</sup> F-DPA-714 PET imaging be interesting to use in the early post-stroke period?. <i>EJNMMI Research</i> , 2014, 4, 28.	1.1	40
76	Radiosynthesis and pharmacological evaluation of [ <sup>11</sup> C]EMD-95885: a high affinity ligand for NR2B-containing NMDA receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 3229-3237.	1.4	39
77	Ligands for peripheral benzodiazepine binding sites in glial cells. <i>Brain Research Reviews</i> , 2005, 48, 207-210.	9.1	39
78	The Therapeutic Potential of Sigma (&#x3C3;) Receptors for the Treatment of Central Nervous System Diseases: Evaluation of the Evidence. <i>Current Pharmaceutical Design</i> , 2012, 18, 884-901.	0.9	39
79	Bio-orthogonal labeling as a tool to visualize and identify newly synthesized proteins in <i>Caenorhabditis elegans</i> . <i>Nature Protocols</i> , 2014, 9, 2237-2255.	5.5	39
80	Synthesis and in vitro evaluation of new benzovesamicol analogues as potential imaging probes for the vesicular acetylcholine transporter. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 745-753.	1.4	38
81	Improved synthesis of the peripheral benzodiazepine receptor ligand [ <sup>11</sup> C]DPA-713 using [ <sup>11</sup> C]methyl triflate. <i>Applied Radiation and Isotopes</i> , 2006, 64, 570-573.	0.7	37
82	Fluorine-18 Chemistry for PET: A Concise Introduction. <i>Current Radiopharmaceuticals</i> , 2010, 3, 68-80.	0.3	36
83	Pyrazolo[1,5-a]pyrimidine acetamides: 4-Phenyl alkyl ether derivatives as potent ligands for the 18kDa translocator protein (TSPO). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5799-5802.	1.0	35
84	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, 173-181.	2.0	35
85	The 2-alkyl-2H-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.	1.4	35
86	Trishomocubanes: novel $\alpha$ -receptor ligands modulate amphetamine-stimulated [ <sup>3</sup> H]dopamine release. <i>European Journal of Pharmacology</i> , 2001, 422, 39-45.	1.7	34
87	Cubyl amides: Novel P2X7 receptor antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 3720-3723.	1.0	34
88	Disinhibition-like behavior in a P301S mutant tau transgenic mouse model of frontotemporal dementia. <i>Neuroscience Letters</i> , 2016, 631, 24-29.	1.0	34
89	Synthesis, radiosynthesis and In vivo evaluation of 5-[3-(4-Benzylpiperidin-1-yl)prop-1-ynyl]-1,3-dihydrobenzimidazol-2-[ <sup>11</sup> C]one, as a potent NR1A/2B subtype selective NMDA PET radiotracer. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 5401-5408.	1.4	32
90	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.	1.6	32

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91	The Polyphenol Altenusin Inhibits in Vitro Fibrillization of Tau and Reduces Induced Tau Pathology in Primary Neurons. ACS Chemical Neuroscience, 2017, 8, 743-751.	1.7	32
92	Synthesis and cellular uptake of boron-rich pyrazolopyrimidines: exploitation of the translocator protein for the efficient delivery of boron into human glioma cells. Chemical Communications, 2011, 47, 12179.	2.2	31
93	Optimisation of LRRK2 inhibitors and assessment of functional efficacy in cell-based models of neuroinflammation. European Journal of Medicinal Chemistry, 2015, 95, 29-34.	2.6	31
94	Global phosphoproteomics reveals DYRK1A regulates CDK1 activity in glioblastoma cells. Cell Death Discovery, 2021, 7, 81.	2.0	31
95	Synthesis of Biologically Active Seven-Membered-Ring Heterocycles. Synthesis, 2013, 45, 3211-3227.	1.2	30
96	Pharmacological Evaluation of Novel Bioisosteres of an Adamantanyl Benzamide P2X <sub>7</sub> Receptor Antagonist. ACS Chemical Neuroscience, 2017, 8, 2374-2380.	1.7	30
97	Hydroxamic Acid Inhibitors Provide Cross-Species Inhibition of <i>Plasmodium</i> M1 and M17 Aminopeptidases. Journal of Medicinal Chemistry, 2019, 62, 622-640.	2.9	30
98	Pharmacological evaluation of [ <sup>11</sup> C]A-84543: An enantioselective ligand for in vivo studies of neuronal nicotinic acetylcholine receptors. Life Sciences, 1998, 63, PL13-PL18.	2.0	28
99	Synthesis of 6-[ <sup>18</sup> F]fluoro-PBR28, a novel radiotracer for imaging the TSPO 18 kDa with PET. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4819-4822.	1.0	28
100	Extracellular Loops 2 and 4 of GLYT2 Are Required for N-Arachidonylglycine Inhibition of Glycine Transport. Journal of Biological Chemistry, 2009, 284, 36424-36430.	1.6	27
101	Oxo-bridged isomers of aza-trishomocubane sigma (Îf) receptor ligands: Synthesis, in vitro binding, and molecular modeling. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 145-148.	1.0	27
102	Bioisosteric Fluorine in the Clandestine Design of Synthetic Cannabinoids. Australian Journal of Chemistry, 2015, 68, 4.	0.5	27
103	Synthesis of Usnic Acid Derivatives and Evaluation of Their Antiproliferative Activity against Cancer Cells. Journal of Natural Products, 2019, 82, 1768-1778.	1.5	27
104	Structure-activity relationships of synthetic cannabinoid designer drug RCS-4 and its regioisomers and C4 homologues. Forensic Toxicology, 2015, 33, 355-366.	1.4	26
105	Longitudinal investigation of neuroinflammation and metabolite profiles in the <i>APP<sup>swe</sup>-PS1<sup>E9</sup></i> transgenic mouse model of Alzheimer's disease. Journal of Neurochemistry, 2018, 144, 318-335.	2.1	26
106	Altered serum protein levels in frontotemporal dementia and amyotrophic lateral sclerosis indicate calcium and immunity dysregulation. Scientific Reports, 2020, 10, 13741.	1.6	26
107	Synthesis and in vivo evaluation of a new PET radioligand for studying sigma-2 receptors. Bioorganic and Medicinal Chemistry, 2005, 13, 3623-3626.	1.4	25
108	Trishomocubanes: Novel Îf ligands modulate cocaine-induced behavioural effects. European Journal of Pharmacology, 2007, 555, 37-42.	1.7	25

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109	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> , 2017, 26, 170-178.	0.8	25
110	The development of CNS-active LRRK2 inhibitors using property-directed optimisation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3690-3696.	1.0	24
111	TSPO as a target for glioblastoma therapeutics. <i>Biochemical Society Transactions</i> , 2015, 43, 531-536.	1.6	24
112	Kinase targets in CNS drug discovery. <i>Future Medicinal Chemistry</i> , 2017, 9, 303-314.	1.1	24
113	Discovery and pharmacological evaluation of a novel series of adamantyl cyanoguanidines as P2X7 receptor antagonists. <i>European Journal of Medicinal Chemistry</i> , 2017, 130, 433-439.	2.6	24
114	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.	1.4	24
115	Is there Any Correlation Between Binding and Functional Effects at the Translocator Protein (TSPO) (18 kDa)?. <i>Current Molecular Medicine</i> , 2012, 12, 387-397.	0.6	24
116	Trishomocubanes, a new class of selective and high affinity ligands for the sigma binding site. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 595-600.	1.0	23
117	Insights into Structure-Activity Relationships and CNS Therapeutic Applications of NR2B Selective Antagonists. <i>Current Medicinal Chemistry</i> , 2010, 17, 4166-4190.	1.2	23
118	Radiation Dosimetry and Biodistribution of the TSPO Ligand 11C-DPA-713 in Humans. <i>Journal of Nuclear Medicine</i> , 2012, 53, 330-335.	2.8	23
119	Mouse models of frontotemporal dementia: A comparison of phenotypes with clinical symptomatology. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 74, 126-138.	2.9	23
120	Anaesthetic-dependent changes in gene expression following acute and chronic exposure in the rodent brain. <i>Scientific Reports</i> , 2020, 10, 9366.	1.6	23
121	Oral pre-treatment with epigallocatechin gallate in 6-OHDA lesioned rats produces subtle symptomatic relief but not neuroprotection. <i>Brain Research Bulletin</i> , 2009, 80, 397-402.	1.4	22
122	Improved accessibility to the desoxy analogues of [ <sup>9</sup> Tm]-tetrahydrocannabinol and cannabidiol. <i>Tetrahedron Letters</i> , 2013, 54, 52-54.	0.7	22
123	Radiosynthesis of [ <sup>18</sup> F]CE387: 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.	1.6	22
124	Ex vivo and in vivo evaluation of (2 <i>R</i> ,3 <i>R</i> )-5-[( <sup>18</sup> F)fluoroethoxy] and fluoropropoxybenzovesamicol, as PET radioligands for the vesicular acetylcholine transporter. <i>Synapse</i> , 2007, 61, 962-970.	0.6	21
125	NEUROPROTECTIVE EFFECTS OF A SELECTIVE N-METHYL-ASPARTATE NR2B RECEPTOR ANTAGONIST IN THE 6-HYDROXYDOPAMINE RAT MODEL OF PARKINSON'S DISEASE. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008, 35, 1388-1394.	0.9	21
126	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> , 2010, 15, 1305-1318.	1.1	21

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127	N-Arylalkyl-2-azaadamantanes as cage-expanded polycarbocyclic sigma ( $\sigma$ ) receptor ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5289-5292.	1.0	21
128	Lack of neuroinflammation in the HIV-1 transgenic rat: an [18F]-DPA714 PET imaging study. <i>Journal of Neuroinflammation</i> , 2015, 12, 171.	3.1	21
129	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.	2.0	21
130	A binge high sucrose diet provokes systemic and cerebral inflammation in rats without inducing obesity. <i>Scientific Reports</i> , 2021, 11, 11252.	1.6	21
131	The translocator protein as a drug target in Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , 2014, 14, 439-448.	1.4	20
132	Insight into the Structural Features of TSPO: Implications for Drug Development. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 110-122.	4.0	20
133	Targeting the MAPK7/MMP9 axis for metastasis in primary bone cancer. <i>Oncogene</i> , 2020, 39, 5553-5569.	2.6	20
134	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, 2659-2667.	1.5	19
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