

Translocator protein (18 kDa) (TSPO) as a therapeutic target for psychiatric disorders

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Comparative analysis of the methods of drug and protein delivery for the treatment of cancer, genetic diseases and diagnostics. <i>Drug Delivery</i> , 2011, 18, 586-598.	2.5	14
2	Differential Expression of the 18 kDa Translocator Protein (TSPO) by Neoplastic and Inflammatory Cells in Mouse Tumors of Breast Cancer. <i>Molecular Pharmaceutics</i> , 2011, 8, 823-832.	2.3	37
3	Role of Anticonvulsant and Antiepileptogenic Neurosteroids in the Pathophysiology and Treatment of Epilepsy. <i>Frontiers in Endocrinology</i> , 2011, 2, 38.	1.5	69
4	TSPO-specific ligand Vinpocetine exerts a neuroprotective effect by suppressing microglial inflammation. <i>Neuron Glia Biology</i> , 2011, 7, 187-197.	2.0	53
5	Role of Mitochondria in Steroidogenesis. <i>Endocrine Development</i> , 2011, 20, 1-19.	1.3	38
6	Synthesis of [11C]PBR06 and [18F]PBR06 as agents for positron emission tomographic (PET) imaging of the translocator protein (TSPO). <i>Steroids</i> , 2011, 76, 1331-1340.	0.8	58
7	Neuroactive steroids in affective disorders: target for novel antidepressant or anxiolytic drugs?. <i>Neuroscience</i> , 2011, 191, 55-77.	1.1	121
8	Neurosteroid Biosynthesis Upregulation: A Novel Promising Therapy for Anxiety Disorders and PTSD. , 0, , .		1
9	Neurosteroids as neuromodulators in the treatment of anxiety disorders. <i>Frontiers in Endocrinology</i> , 2011, 2, 55.	1.5	38
10	Oxidative Stress-Mediated Brain Dehydroepiandrosterone (DHEA) Formation in Alzheimer's Disease Diagnosis. <i>Frontiers in Endocrinology</i> , 2011, 2, 69.	1.5	18
11	Neurosteroids reduce social isolation-induced behavioral deficits: a proposed link with neurosteroid-mediated upregulation of BDNF expression. <i>Frontiers in Endocrinology</i> , 2011, 2, 73.	1.5	67
12	The age of anxiety: role of animal models of anxiolytic action in drug discovery. <i>British Journal of Pharmacology</i> , 2011, 164, 1129-1161.	2.7	220
13	Progesterone treatment normalizes the levels of cell proliferation and cell death in the dentate gyrus of the hippocampus after traumatic brain injury. <i>Experimental Neurology</i> , 2011, 231, 72-81.	2.0	102
14	Synthesis of 6-[18F]fluoro-PBR28, a novel radiotracer for imaging the TSPO 18 kDa with PET. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4819-4822.	1.0	28
15	Neurosteroids and GABAA Receptor Interactions: A Focus on Stress. <i>Frontiers in Neuroscience</i> , 2011, 5, 131.	1.4	98
16	The Translocator Protein. <i>Journal of Nuclear Medicine</i> , 2011, 52, 677-680.	2.8	139
17	Reactive Astrocytes Overexpress TSPO and Are Detected by TSPO Positron Emission Tomography Imaging. <i>Journal of Neuroscience</i> , 2012, 32, 10809-10818.	1.7	286
18	Recent Advances in Receptor-Targeted Fluorescent Probes for In Vivo Cancer Imaging. <i>Current Medicinal Chemistry</i> , 2012, 19, 4742-4758.	1.2	53

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19	Noninvasive Molecular Imaging of Neuroinflammation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1393-1415.	2.4	216
20	Recent Developments in Potential Anxiolytic Agents Targeting GABAA/BzR Complex or the Translocator Protein (18kDa) (TSPO). <i>Current Topics in Medicinal Chemistry</i> , 2012, 12, 360-370.	1.0	21
21	Targeting malignant mitochondria with therapeutic peptides. <i>Therapeutic Delivery</i> , 2012, 3, 961-979.	1.2	39
22	Role of mitochondria in steroidogenesis. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2012, 26, 771-790.	2.2	199
23	Translocator protein (18kDa) (TSPO) as a therapeutic target for anxiety and neurologic disorders. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2012, 262, 107-112.	1.8	49
24	Translocator protein (Tspo) gene promoter-driven green fluorescent protein synthesis in transgenic mice: an in vivo model to study Tspo transcription. <i>Cell and Tissue Research</i> , 2012, 350, 261-275.	1.5	24
25	Novel codrugs with GABAergic activity for dopamine delivery in the brain. <i>International Journal of Pharmaceutics</i> , 2012, 437, 221-231.	2.6	36
26	Finasteride inhibits the disease-modifying activity of progesterone in the hippocampus kindling model of epileptogenesis. <i>Epilepsy and Behavior</i> , 2012, 25, 92-97.	0.9	30
27	The GABA system in anxiety and depression and its therapeutic potential. <i>Neuropharmacology</i> , 2012, 62, 42-53.	2.0	453
28	The Application of PET Imaging in Psychoneuroimmunology Research. <i>Methods in Molecular Biology</i> , 2012, 934, 325-353.	0.4	4
29	Translocator protein (18 kDa), a potential molecular imaging biomarker for non-invasively distinguishing non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2012, 57, 1076-1082.	1.8	51
30	Actions of translocator protein ligands on neutrophil adhesion and motility induced by G-protein coupled receptor signaling. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 918-923.	1.0	14
31	GABA _A receptor modulation by neurosteroids in models of temporal lobe epilepsies. <i>Epilepsia</i> , 2012, 53, 89-101.	2.6	49
32	Design, synthesis and structure-activity relationships of novel benzoxazolone derivatives as 18kDa translocator protein (TSPO) ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 5568-5582.	1.4	27
33	Endotoxin-induced systemic inflammation activates microglia: [11C]PBR28 positron emission tomography in nonhuman primates. <i>NeuroImage</i> , 2012, 63, 232-239.	2.1	179
34	GABAergic neuroactive steroids: a new frontier in bipolar disorders?. <i>Behavioral and Brain Functions</i> , 2012, 8, 61.	1.4	56
35	Translocator Protein (18kDa): A Promising Therapeutic Target and Diagnostic Tool for Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2012, 2012, 1-9.	1.9	34
36	Visualising Neuroinflammation in Post-Stroke Patients: A Comparative PET Study with the TSPO Molecular Imaging Biomarkers [¹¹ C]PK11195 and [¹¹ C]vinpocetine. <i>Current Radiopharmaceutics</i> , 2012, 5, 19-28.	0.3	41

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37	Neuroregenerative Mechanisms of Allopregnanolone in Alzheimer's Disease. <i>Frontiers in Endocrinology</i> , 2011, 2, 117.	1.5	38
38	Effects and Mechanisms of $3\beta,5\alpha$ -THP on Emotion, Motivation, and Reward Functions Involving Pregnane Xenobiotic Receptor. <i>Frontiers in Neuroscience</i> , 2011, 5, 136.	1.4	35
39	Progesterone Synthesis in the Nervous System: Implications for Myelination and Myelin Repair. <i>Frontiers in Neuroscience</i> , 2012, 6, 10.	1.4	163
40	Mitochondrial Morphology and Function. , 2012, , 217-229.		0
41	Translocator Protein (18 kDa) as a Target for Novel Anxiolytics with a Favourable Side Effect Profile. <i>Journal of Neuroendocrinology</i> , 2012, 24, 82-92.	1.2	65
42	Caprospinol: Discovery of a Steroid Drug Candidate to Treat Alzheimer's Disease Based on $22R$ - 5α -Hydroxycholesterol Structure and Properties. <i>Journal of Neuroendocrinology</i> , 2012, 24, 93-101.	1.2	23
43	Axonal Regeneration and Neuroinflammation: Roles for the Translocator Protein 18 kDa. <i>Journal of Neuroendocrinology</i> , 2012, 24, 71-81.	1.2	67
44	Up-Regulation of Neurosteroid Biosynthesis as a Pharmacological Strategy to Improve Behavioural Deficits in a Putative Mouse Model of Post-Traumatic Stress Disorder. <i>Journal of Neuroendocrinology</i> , 2012, 24, 102-116.	1.2	67
45	Fully automated synthesis of PET TSPO radioligands [11C]DAA1106 and [18F]FEDAA1106. <i>Applied Radiation and Isotopes</i> , 2012, 70, 965-973.	0.7	50
46	Tertiary mechanisms of brain damage: a new hope for treatment of cerebral palsy?. <i>Lancet Neurology</i> , The, 2012, 11, 556-566.	4.9	299
47	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. <i>Tetrahedron Letters</i> , 2012, 53, 3780-3783.	0.7	11
48	Current paradigm of the 18-kDa translocator protein (TSPO) as a molecular target for PET imaging in neuroinflammation and neurodegenerative diseases. <i>Insights Into Imaging</i> , 2012, 3, 111-119.	1.6	115
49	Molecular imaging of microglia/macrophages in the brain. <i>Glia</i> , 2013, 61, 10-23.	2.5	160
50	CNS drug targeting: have we travelled in right path?. <i>Journal of Drug Targeting</i> , 2013, 21, 787-800.	2.1	5
51	Pharmacological effect of gelsemine on anxiety-like behavior in rat. <i>Behavioural Brain Research</i> , 2013, 253, 90-94.	1.2	40
52	Targeting of the Translocator Protein 18 kDa (TSPO): A Valuable Approach for Nuclear and Optical Imaging of Activated Microglia. <i>Bioconjugate Chemistry</i> , 2013, 24, 1415-1428.	1.8	52
53	Brain Amyloid and Inflammation Imaging: A Convergence of Concepts. <i>Current Radiology Reports</i> , 2013, 1, 227-232.	0.4	0
54	The neuroinflammation marker translocator protein is not elevated in individuals with mild-to-moderate depression: A [11C]PBR28 PET study. <i>Brain, Behavior, and Immunity</i> , 2013, 33, 131-138.	2.0	180

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55	[11C]-(R)PK11195 tracer kinetics in the brain of glioma patients and a comparison of two referencing approaches. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 1406-1419.	3.3	55
56	In vivo imaging of the 18-kDa translocator protein (TSPO) with [18F]FEDAA1106 and PET does not show increased binding in Alzheimer's disease patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 921-931.	3.3	71
57	Imaging of carrageenan-induced local inflammation and adjuvant-induced systemic arthritis with [11C]PBR28 PET. <i>Nuclear Medicine and Biology</i> , 2013, 40, 906-911.	0.3	20
58	In vitro targeting and imaging the translocator protein TSPO 18-kDa through G(4)-PAMAM-FITC labeled dendrimer. <i>Journal of Controlled Release</i> , 2013, 172, 1111-1125.	4.8	52
59	Repeated administration of AC-5216, a ligand for the 18kDa translocator protein, improves behavioral deficits in a mouse model of post-traumatic stress disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 45, 40-46.	2.5	50
60	Identification of a Novel Benzoxazolone Derivative as a Selective, Orally Active 18 kDa Translocator Protein (TSPO) Ligand. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 8191-8195.	2.9	13
61	Progressive stages of mitochondrial destruction caused by cell toxic bile salts. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2121-2133.	1.4	62
62	Structure-activity relationships of novel iodinated quinoline-2-carboxamides for targeting the translocator protein. <i>MedChemComm</i> , 2013, 4, 1461.	3.5	13
63	Neurosteroid interactions with synaptic and extrasynaptic GABAA receptors: regulation of subunit plasticity, phasic and tonic inhibition, and neuronal network excitability. <i>Psychopharmacology</i> , 2013, 230, 151-188.	1.5	199
64	The liver-brain axis in liver failure: neuroinflammation and encephalopathy. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2013, 10, 522-528.	8.2	163
65	GABAA receptor modulation: Potential to deliver novel pain medicines?. <i>European Journal of Pharmacology</i> , 2013, 716, 17-23.	1.7	43
66	Organelle plasticity and interactions in cholesterol transport and steroid biosynthesis. <i>Molecular and Cellular Endocrinology</i> , 2013, 371, 34-46.	1.6	78
67	Targeting cancer cell mitochondria as a therapeutic approach. <i>Future Medicinal Chemistry</i> , 2013, 5, 53-67.	1.1	170
68	The potential of carbon-11 and fluorine-18 chemistry: illustration through the development of positron emission tomography radioligands targeting the translocator protein 18kDa. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2013, 56, 96-104.	0.5	36
69	Neurosteroids, stress and depression: Potential therapeutic opportunities. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 109-122.	2.9	158
70	Whole-organism screening for gluconeogenesis identifies activators of fasting metabolism. <i>Nature Chemical Biology</i> , 2013, 9, 97-104.	3.9	161
71	Synthesis and characterization of an MRI Gd-based probe designed to target the translocator protein. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 116-122.	1.1	7
72	Bipolar Disorder is associated with the rs6971 polymorphism in the gene encoding 18kDa Translocator Protein (TSPO). <i>Psychoneuroendocrinology</i> , 2013, 38, 2826-2829.	1.3	47

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73	Midazolam impairs acquisition and retrieval, but not consolidation of reference memory in the Morris water maze. <i>Behavioural Brain Research</i> , 2013, 241, 198-205.	1.2	20
74	Neurosteroids as regenerative agents in the brain: therapeutic implications. <i>Nature Reviews Endocrinology</i> , 2013, 9, 241-250.	4.3	132
75	Ligand for Translocator Protein Reverses Pathology in a Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2013, 33, 8891-8897.	1.7	125
76	Chemical Catalysis by the Translocator Protein (18 kDa). <i>Biochemistry</i> , 2013, 52, 3609-3611.	1.2	32
77	A black hole for oxidized glutathione. <i>Nature Chemical Biology</i> , 2013, 9, 69-70.	3.9	12
78	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
79	Neuroendocrine aspects of catamenial epilepsy. <i>Hormones and Behavior</i> , 2013, 63, 254-266.	1.0	66
80	The Upregulation of Translocator Protein (18 kDa) Promotes Recovery from Neuropathic Pain in Rats. <i>Journal of Neuroscience</i> , 2013, 33, 1540-1551.	1.7	79
81	Characterization and Modeling of the Oligomeric State and Ligand Binding Behavior of Purified Translocator Protein 18 kDa from <i>Rhodobacter sphaeroides</i> . <i>Biochemistry</i> , 2013, 52, 5884-5899.	1.2	53
82	Drug discovery goes for a swim. <i>Nature Chemical Biology</i> , 2013, 9, 68-69.	3.9	5
83	Drug Ligand-Induced Activation of Translocator Protein (TSPO) Stimulates Steroid Production by Aged Brown Norway Rat Leydig Cells. <i>Endocrinology</i> , 2013, 154, 2156-2165.	1.4	54
84	Acute Shift in Glutamate Concentrations Following Experimentally Induced Panic with Cholecystinin Tetrapeptide—A 3T-MRS Study in Healthy Subjects. <i>Neuropsychopharmacology</i> , 2013, 38, 1648-1654.	2.8	31
85	Noninvasive Molecular Imaging of Tuberculosis-Associated Inflammation With Radioiodinated DPA-713. <i>Journal of Infectious Diseases</i> , 2013, 208, 2067-2074.	1.9	45
86	Stratified medicine in psychiatry: a worrying example or new opportunity in the treatment of anxiety?. <i>Journal of Psychopharmacology</i> , 2013, 27, 119-122.	2.0	16
87	Propofol Decreases In Vivo Binding of ¹¹ C-PBR28 to Translocator Protein (18 kDa) in the Human Brain. <i>Journal of Nuclear Medicine</i> , 2013, 54, 64-69.	2.8	30
88	Metabolism and Quantification of [¹⁸ F]DPA-714, a New TSPO Positron Emission Tomography Radioligand. <i>Drug Metabolism and Disposition</i> , 2013, 41, 122-131.	1.7	61
89	Role of hormones and neurosteroids in epileptogenesis. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 115.	1.8	59
90	Neurosteroids as Therapeutic Leads in Psychiatry. <i>JAMA Psychiatry</i> , 2013, 70, 659.	6.0	20

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91	Optimisation of synthesis, purification and reformulation of (R)-[N-Methyl-11C]PK11195 for in vivo PET imaging studies. , 2013, , .		1
92	Ischemia-Induced Neuroinflammation Is Associated with Disrupted Development of Oligodendrocyte Progenitors in a Model of Periventricular Leukomalacia. <i>Developmental Neuroscience</i> , 2013, 35, 182-196.	1.0	58
93	Synthesis, Characterization, and Binding to the Translocator Protein (18 kDa, TSPO) of a New Rhenium Complex as a Model of Radiopharmaceutical Agents. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1606-1612.	0.6	13
94	Altered gamma oscillations during pregnancy through loss of γ subunit-containing GABA _A receptors on parvalbumin interneurons. <i>Frontiers in Neural Circuits</i> , 2013, 7, 144.	1.4	41
95	Targeting neurosteroidogenesis as therapy for PTSD. <i>Frontiers in Pharmacology</i> , 2014, 4, 166.	1.6	24
96	Analgesic strategies aimed at stimulating the endogenous production of allopregnanolone. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 174.	1.8	32
97	Frontiers in therapeutic development of allopregnanolone for Alzheimer's disease and other neurological disorders. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 203.	1.8	55
98	Ganaxolone improves behavioral deficits in a mouse model of post-traumatic stress disorder. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 256.	1.8	74
99	New perspectives in neurosteroid action: open questions for future research. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 268.	1.8	5
100	Stress Sensitivity in Patients with Atopic Dermatitis in Relation to the Translocator Protein 18 kDa (TSPO). <i>Journal of Nippon Medical School</i> , 2014, 81, 148-156.	0.3	6
101	Positron emission tomography and functional characterization of a complete PBR/TSPO knockout. <i>Nature Communications</i> , 2014, 5, 5452.	5.8	199
102	Overexpression of the Steroidogenic Enzyme Cytochrome P450 Side Chain Cleavage in the Ventral Tegmental Area Increases 3 β ,5 α -THP and Reduces Long-Term Operant Ethanol Self-Administration. <i>Journal of Neuroscience</i> , 2014, 34, 5824-5834.	1.7	26
103	Macrogliia-Microglia Interactions via TSPO Signaling Regulates Microglial Activation in the Mouse Retina. <i>Journal of Neuroscience</i> , 2014, 34, 3793-3806.	1.7	176
104	The translocator protein as a drug target in Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , 2014, 14, 439-448.	1.4	20
105	The Combination of Metyrapone and Oxazepam for the Treatment of Cocaine and Other Drug Addictions. <i>Advances in Pharmacology</i> , 2014, 69, 419-479.	1.2	10
106	The <i>Arabidopsis</i> Abiotic Stress-Induced TSPO-Related Protein Reduces Cell-Surface Expression of the Aquaporin PIP2;7 through Protein-Protein Interactions and Autophagic Degradation. <i>Plant Cell</i> , 2014, 26, 4974-4990.	3.1	128
107	Role of GABA-active neurosteroids in the efficacy of metyrapone against cocaine addiction. <i>Behavioural Brain Research</i> , 2014, 271, 269-276.	1.2	14
108	Structure-to-function relationships of bacterial translocator protein (TSPO): a focus on <i>Pseudomonas</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 631.	1.5	18

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109	The translocator protein as a potential molecular target for improved treatment efficacy in photodynamic therapy. <i>Future Medicinal Chemistry</i> , 2014, 6, 775-792.	1.1	11
110	The 18 kDa Translocator Protein, Microglia and Neuroinflammation. <i>Brain Pathology</i> , 2014, 24, 631-653.	2.1	182
111	Binding Domain-Driven Intracellular Trafficking of Sterols for Synthesis of Steroid Hormones, Bile Acids and Oxysterols. <i>Traffic</i> , 2014, 15, 895-914.	1.3	29
112	Estradiol Modulates Translocator Protein (TSPO) and Steroid Acute Regulatory Protein (StAR) via Protein Kinase A (PKA) Signaling in Hypothalamic Astrocytes. <i>Endocrinology</i> , 2014, 155, 2976-2985.	1.4	53
113	Biomarker and more: can translocator protein 18 kDa predict recovery from brain injury and myocarditis?. <i>Biomarkers in Medicine</i> , 2014, 8, 605-607.	0.6	6
114	Peripheral Benzodiazepine Receptor/Translocator Protein Global Knock-out Mice Are Viable with No Effects on Steroid Hormone Biosynthesis. <i>Journal of Biological Chemistry</i> , 2014, 289, 27444-27454.	1.6	199
115	Mechanisms Underlying Midazolam-Induced Peripheral Nerve Block and Neurotoxicity. <i>Regional Anesthesia and Pain Medicine</i> , 2014, 39, 525-533.	1.1	14
116	Allopregnanolone as regenerative therapeutic for Alzheimer's disease: Translational development and clinical promise. <i>Progress in Neurobiology</i> , 2014, 113, 40-55.	2.8	86
117	Neuroscience-driven discovery and development of sleep therapeutics. , 2014, 141, 300-334.		55
118	Etifoxine analgesia in experimental monoarthritis: A combined action that protects spinal inhibition and limits central inflammatory processes. <i>Pain</i> , 2014, 155, 403-412.	2.0	18
119	PET Imaging of Stroke-Induced Neuroinflammation in Mice Using [18F]PBR06. <i>Molecular Imaging and Biology</i> , 2014, 16, 109-117.	1.3	50
120	Translocator protein (18 kDa) (TSPO) is expressed in reactive retinal microglia and modulates microglial inflammation and phagocytosis. <i>Journal of Neuroinflammation</i> , 2014, 11, 3.	3.1	177
121	GENDER-SPECIFIC ASSOCIATION OF VARIANTS IN THE AKR1C1 GENE WITH DIMENSIONAL ANXIETY IN PATIENTS WITH PANIC DISORDER: ADDITIONAL EVIDENCE FOR THE IMPORTANCE OF NEUROSTEROIDS IN ANXIETY?. <i>Depression and Anxiety</i> , 2014, 31, 843-850.	2.0	15
122	Antidepressant-like and anxiolytic-like effects of YL-IPA08, a potent ligand for the translocator protein (18 kDa). <i>Neuropharmacology</i> , 2014, 81, 116-125.	2.0	57
123	Preparation and evaluation of novel pyrazolo[1,5-a]pyrimidine acetamides, closely related to DPA-714, as potent ligands for imaging the TSPO 18 kDa with PET. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1550-1556.	1.0	38
124	Investigating the interactions of the 18 kDa translocator protein and its ligand PK11195 in planar lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1019-1030.	1.4	38
125	Revisiting the roles of progesterone and allopregnanolone in the nervous system: Resurgence of the progesterone receptors. <i>Progress in Neurobiology</i> , 2014, 113, 6-39.	2.8	289
126	Sex Differences in Translocator Protein 18 kDa (TSPO) in the Heart: Implications for Imaging Myocardial Inflammation. <i>Journal of Cardiovascular Translational Research</i> , 2014, 7, 192-202.	1.1	29

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127	Epistasis and Allele Specificity in the Emergence of a Stable Polymorphism in <i>Escherichia coli</i> . <i>Science</i> , 2014, 343, 1366-1369.	6.0	125
128	Structure of the Mitochondrial Translocator Protein in Complex with a Diagnostic Ligand. <i>Science</i> , 2014, 343, 1363-1366.	6.0	208
129	The role of allopregnanolone in depression and anxiety. <i>Progress in Neurobiology</i> , 2014, 113, 79-87.	2.8	227
130	Early repeated administration of progesterone improves the recovery of neuropathic pain and modulates spinal 18kDa-translocator protein (TSPO) expression. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 143, 130-140.	1.2	20
131	Discovery of a Neuroprotective Chemical, (<i>S</i>)- <i>N</i> -(3-(3,6-Dibromo-9 <i>H</i> -carbazol-9-yl)-2-fluoropropyl)-6-methoxypyridin-2-amine [(\hat{a}) ⁻ -P7C3-S243], with Improved Druglike Properties. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 3746-3754.	2.9	58
132	[¹⁸ F]DPA-714, a novel fluorine- 18 F-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, 410-418.	0.5	11
133	GABA _A Receptor Subtypes: Therapeutic Potential in Down Syndrome, Affective Disorders, Schizophrenia, and Autism. <i>Annual Review of Pharmacology and Toxicology</i> , 2014, 54, 483-507.	4.2	273
134	Etifoxine stimulates allopregnanolone synthesis in the spinal cord to produce analgesia in experimental mononeuropathy. <i>European Journal of Pain</i> , 2014, 18, 258-268.	1.4	31
135	S.14.02 EU-AIMS: A trans-dimensional approach for enhancing our understanding of autism spectrum disorders. <i>European Neuropsychopharmacology</i> , 2014, 24, S130-S131.	0.3	0
136	Ethanol Alters Local Cellular Levels of (3 $\hat{1}$ \pm ,5 $\hat{1}$ \pm)-3-Hydroxypregnan-20-one (3 $\hat{1}$ \pm ,5 $\hat{1}$ \pm -THP) Independent of the Adrenals in Subcortical Brain Regions. <i>Neuropsychopharmacology</i> , 2014, 39, 1978-1987.	2.8	14
137	Synthesis, characterization, and in vitro evaluation of new coordination complexes of platinum(<i>ii</i>) and rhenium(<i>i</i>) with a ligand targeting the translocator protein (TSPO). <i>Dalton Transactions</i> , 2014, 43, 16252-16264.	1.6	16
138	On the Role of the Translocator Protein (18-kDa) TSPO in Steroid Hormone Biosynthesis. <i>Endocrinology</i> , 2014, 155, 15-20.	1.4	38
139	Detection of Microglial Activation in an Acute Model of Neuroinflammation Using PET and Radiotracers ¹¹ C-(<i>R</i>)-PK11195 and ¹⁸ F-GE-180. <i>Journal of Nuclear Medicine</i> , 2014, 55, 466-472.	2.8	127
140	[¹⁸ F]DPA-714 PET Imaging of AMD3100 Treatment in a Mouse Model of Stroke. <i>Molecular Pharmaceutics</i> , 2014, 11, 3463-3470.	2.3	24
141	5 $\hat{1}$ \pm -reductase type I expression is downregulated in the prefrontal cortex/Brodmann's area 9 (BA9) of depressed patients. <i>Psychopharmacology</i> , 2014, 231, 3569-3580.	1.5	76
142	Effects of the neuroactive steroid allopregnanolone on intracranial self-stimulation in C57BL/6j Mice. <i>Psychopharmacology</i> , 2014, 231, 3415-3423.	1.5	11
143	Translocator Protein 18 kDa Negatively Regulates Inflammation in Microglia. <i>Journal of NeuroImmune Pharmacology</i> , 2014, 9, 424-437.	2.1	90
144	Mitochondrial Membrane Fluidity is Consistently Increased in Different Models of Huntington Disease: Restorative Effects of Olesoxime. <i>Molecular Neurobiology</i> , 2014, 50, 107-118.	1.9	37

#	ARTICLE	IF	CITATIONS
147	Synthesis, Characterization, and in Vitro Evaluation of a New TSPO-Selective Bifunctional Chelate Ligand. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 685-689.	1.3	21
148	Imaging brain inflammation in epilepsy. <i>Neuroscience</i> , 2014, 279, 238-252.	1.1	44
149	Radiation dosimetry and biodistribution of the translocator protein radiotracer [¹¹ C]DAA1106 determined with PET/CT in healthy human volunteers. <i>Nuclear Medicine and Biology</i> , 2014, 41, 871-875.	0.3	11
150	Translocator Protein/Peripheral Benzodiazepine Receptor Is Not Required for Steroid Hormone Biosynthesis. <i>Endocrinology</i> , 2014, 155, 89-97.	1.4	201
151	Translocator protein and new targets for neuroinflammation. <i>Clinical and Translational Imaging</i> , 2015, 3, 391-402.	1.1	23
152	TSPO is a REDOX regulator of cell mitophagy. <i>Biochemical Society Transactions</i> , 2015, 43, 543-552.	1.6	53
153	Guwiyang Wurra "Fire Mouse": a global gene knockout model for TSPO/PBR drug development, loss-of-function and mechanisms of compensation studies. <i>Biochemical Society Transactions</i> , 2015, 43, 553-558.	1.6	14
154	Targeting mitochondrial energy metabolism with TSPO ligands. <i>Biochemical Society Transactions</i> , 2015, 43, 537-542.	1.6	22
155	Targeting the 18-kDa translocator protein: recent perspectives for neuroprotection. <i>Biochemical Society Transactions</i> , 2015, 43, 559-565.	1.6	32
156	Structure of the mammalian TSPO/PBR protein. <i>Biochemical Society Transactions</i> , 2015, 43, 566-571.	1.6	29
157	Translocator protein: pharmacology and steroidogenesis. <i>Biochemical Society Transactions</i> , 2015, 43, 572-578.	1.6	37
158	Targeting translocator protein (18 kDa) (TSPO) dampens pro-inflammatory microglia reactivity in the retina and protects from degeneration. <i>Journal of Neuroinflammation</i> , 2015, 12, 201.	3.1	93
159	Conformational Flexibility in the Transmembrane Protein TSPO. <i>Chemistry - A European Journal</i> , 2015, 21, 16555-16563.	1.7	23
160	Structural Integrity of the A147T Polymorph of Mammalian TSPO. <i>ChemBioChem</i> , 2015, 16, 1483-1489.	1.3	32
161	Efficient tritiation of the translocator protein (18 kDa) selective ligand DPA-714. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2015, 58, 1-6.	0.5	14
162	Anxiety disorders and GABA neurotransmission: a disturbance of modulation. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 165.	1.0	260
163	The Non-Benzodiazepine Anxiolytic Drug Etifoxine Causes a Rapid, Receptor-Independent Stimulation of Neurosteroid Biosynthesis. <i>PLoS ONE</i> , 2015, 10, e0120473.	1.1	30
164	Translocator Protein (TSPO) Role in Aging and Alzheimer's Disease. <i>Current Aging Science</i> , 2015, 7, 168-175.	0.4	43

#	ARTICLE	IF	CITATIONS
165	Conditional steroidogenic cell-targeted deletion of TSPO unveils a crucial role in viability and hormone-dependent steroid formation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7261-7266.	3.3	115
166	Lost in translocation: the functions of the 18-kD translocator protein. Trends in Endocrinology and Metabolism, 2015, 26, 349-356.	3.1	60
167	From ATP to PTP and Back. Circulation Research, 2015, 116, 1850-1862.	2.0	97
168	Selective Inhibition of KCC2 Leads to Hyperexcitability and Epileptiform Discharges in Hippocampal Slices and <i>In Vivo</i> . Journal of Neuroscience, 2015, 35, 8291-8296.	1.7	87
169	Translational Biomarkers of Neurotoxicity: A Health and Environmental Sciences Institute Perspective on the Way Forward. Toxicological Sciences, 2015, 148, 332-340.	1.4	43
170	The first dipeptide ligand of translocator protein: Design and anxiolytic activity. Doklady Biochemistry and Biophysics, 2015, 464, 290-293.	0.3	13
171	Exploration of the impact of stereochemistry on the identification of the novel translocator protein PET imaging agent [18F]GE-180. Nuclear Medicine and Biology, 2015, 42, 711-719.	0.3	17
172	Characterization of the fast GABAergic inhibitory action of etifoxine during spinal nociceptive processing in male rats. Neuropharmacology, 2015, 91, 117-122.	2.0	8
173	Investigation of TSPO variants in schizophrenia and antipsychotic treatment outcomes. Pharmacogenomics, 2015, 16, 5-22.	0.6	15
174	In vivo imaging and characterization of [18F]DPA-714, a potential new TSPO ligand, in mouse brain and peripheral tissues using small-animal PET. Nuclear Medicine and Biology, 2015, 42, 309-316.	0.3	57
175	TSPO ligand residence time influences human glioblastoma multiforme cell death/life balance. Apoptosis: an International Journal on Programmed Cell Death, 2015, 20, 383-398.	2.2	22
176	GABAergic signalling in the immune system. Acta Physiologica, 2015, 213, 819-827.	1.8	106
177	Crystal structures of translocator protein (TSPO) and mutant mimic of a human polymorphism. Science, 2015, 347, 555-558.	6.0	143
178	Structure and activity of tryptophan-rich TSPO proteins. Science, 2015, 347, 551-555.	6.0	149
179	Evidence for brain glial activation in chronic pain patients. Brain, 2015, 138, 604-615.	3.7	372
180	Facile synthesis of 11-aryl-6H-isoindolo[2,1-a]indol-6-ones via hypervalent iodine(III)-promoted cascade cyclization. RSC Advances, 2015, 5, 13102-13106.	1.7	26
181	Synthesis and <i>In Vitro</i> characterization of novel fluorinated derivatives of the TSPO 18 kDa ligand SSR180575. European Journal of Medicinal Chemistry, 2015, 101, 736-745.	2.6	8
182	The 18-kDa Mitochondrial Translocator Protein in Human Gliomas: An ¹¹ C-(R)PK11195 PET Imaging and Neuropathology Study. Journal of Nuclear Medicine, 2015, 56, 512-517.	2.8	77

#	ARTICLE	IF	CITATIONS
183	Parkin-mediated responses against infection and wound involve TSPO-VDAC complex in <i>Drosophila</i> . <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 1-6.	1.0	14
184	A novel GABAA alpha 5 receptor inhibitor with therapeutic potential. <i>European Journal of Pharmacology</i> , 2015, 764, 497-507.	1.7	23
185	Enigmatic Translocator protein (TSPO) and cellular stress regulation. <i>Trends in Biochemical Sciences</i> , 2015, 40, 497-503.	3.7	52
186	The impact of luteinizing hormone and testosterone on beta amyloid (A β) accumulation: Animal and human clinical studies. <i>Hormones and Behavior</i> , 2015, 76, 81-90.	1.0	25
187	Ether analogues of DPA-714 with subnanomolar affinity for the translocator protein (TSPO). <i>European Journal of Medicinal Chemistry</i> , 2015, 93, 392-400.	2.6	14
188	Therapeutic actions of translocator protein (18 kDa) ligands in experimental models of psychiatric disorders and neurodegenerative diseases. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 154, 68-74.	1.2	31
189	Cholesterol sensing by the ABCG1 lipid transporter: Requirement of a CRAC motif in the final transmembrane domain. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 956-964.	1.2	33
190	Design, synthesis and anxiolytic-like activity of 1-arylpyrrolo[1,2-a]pyrazine-3-carboxamides. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 3368-3378.	1.4	31
191	Anxiolytic-Like Effects of Translocator Protein (TSPO) Ligand ZBD-2 in an Animal Model of Chronic Pain. <i>Molecular Pain</i> , 2015, 11, s12990-015-0013.	1.0	39
192	Role of Translocator Protein Density, a Marker of Neuroinflammation, in the Brain During Major Depressive Episodes. <i>JAMA Psychiatry</i> , 2015, 72, 268.	6.0	700
193	Evolving understanding of translocator protein 18kDa (TSPO). <i>Pharmacological Research</i> , 2015, 99, 404-409.	3.1	26
194	Copper-Mediated Aromatic Radiofluorination Revisited: Efficient Production of PET Tracers on a Preparative Scale. <i>Chemistry - A European Journal</i> , 2015, 21, 5972-5979.	1.7	113
195	Minireview: Translocator Protein (TSPO) and Steroidogenesis: A Reappraisal. <i>Molecular Endocrinology</i> , 2015, 29, 490-501.	3.7	63
196	Neuroinflammation in Alzheimer's disease. <i>Lancet Neurology</i> , The, 2015, 14, 388-405.	4.9	4,129
197	Radioiodinated DPA-713 Imaging Correlates with Bactericidal Activity of Tuberculosis Treatments in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 642-649.	1.4	53
198	Computational modeling and biological validation of novel non-steroidal ligands for the cholesterol recognition/interaction amino acid consensus (CRAC) motif of the mitochondrial translocator protein (TSPO). <i>Pharmacological Research</i> , 2015, 99, 393-403.	3.1	18
199	Translocator protein-mediated pharmacology of cholesterol transport and steroidogenesis. <i>Molecular and Cellular Endocrinology</i> , 2015, 408, 90-98.	1.6	103
200	New steps forward in the neuroactive steroid field. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 153, 127-134.	1.2	34

#	ARTICLE	IF	CITATIONS
201	The changing landscape in translocator protein (TSPO) function. Trends in Endocrinology and Metabolism, 2015, 26, 341-348.	3.1	103
202	CX3CR1 is dysregulated in blood and brain from schizophrenia patients. Schizophrenia Research, 2015, 168, 434-443.	1.1	49
203	Mitochondrial regulation of macrophage cholesterol homeostasis. Free Radical Biology and Medicine, 2015, 89, 982-992.	1.3	49
204	[11C]PBR28 PET Imaging is Sensitive to Neuroinflammation in the Aged Rat. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1331-1338.	2.4	26
205	Mechanisms of Action and Persistent Neuroplasticity by Drugs of Abuse. Pharmacological Reviews, 2015, 67, 872-1004.	7.1	125
206	Translocator protein (18kDa) as a pharmacological target in adipocytes to regulate glucose homeostasis. Biochemical Pharmacology, 2015, 97, 99-110.	2.0	22
207	Safety, Tolerability, and Pharmacokinetic Profile of the Novel Translocator Protein 18 kDa Antagonist ONO-2952 in Healthy Volunteers. Clinical Therapeutics, 2015, 37, 2071-2084.	1.1	10
208	Combined effect of G3139 and TSPO ligands on Ca ²⁺ -induced permeability transition in rat brain mitochondria. Archives of Biochemistry and Biophysics, 2015, 587, 70-77.	1.4	21
209	First Demonstration of Positive Allosteric-like Modulation at the Human Wild Type Translocator Protein (TSPO). Journal of Medicinal Chemistry, 2015, 58, 8743-8749.	2.9	12
210	Can Studies of Neuroinflammation in a TSPO Genetic Subgroup (HAB or MAB) Be Applied to the Entire AD Cohort?. Journal of Nuclear Medicine, 2015, 56, 707-713.	2.8	30
211	Depression as a Microglial Disease. Trends in Neurosciences, 2015, 38, 637-658.	4.2	642
212	Translocator protein mediates the anxiolytic and antidepressant effects of midazolam. Pharmacology Biochemistry and Behavior, 2015, 139, 77-83.	1.3	21
213	Analytical challenges for measuring steroid responses to stress, neurodegeneration and injury in the central nervous system. Steroids, 2015, 103, 42-57.	0.8	35
214	Anti-stress effects of ONO-2952, a novel translocator protein 18kDa antagonist, in rats. Neuropharmacology, 2015, 99, 51-66.	2.0	17
215	The Mitochondrial Permeability Transition Pore: Channel Formation by F-ATP Synthase, Integration in Signal Transduction, and Role in Pathophysiology. Physiological Reviews, 2015, 95, 1111-1155.	13.1	481
216	Retinal microglia: Just bystander or target for therapy?. Progress in Retinal and Eye Research, 2015, 45, 30-57.	7.3	433
217	Positron emission tomography imaging of the 18-kDa translocator protein (TSPO) with [18F]FEMPA in Alzheimer's disease patients and control subjects. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 438-446.	3.3	64
218	GABAA receptor-acting neurosteroids: A role in the development and regulation of the stress response. Frontiers in Neuroendocrinology, 2015, 36, 28-48.	2.5	121

#	ARTICLE	IF	CITATIONS
219	Double Application of Translocator Protein Ligands and RAW Cells Inflammatory Milieu. American Journal of Immunology, 2016, 12, 56-60.	0.1	0
220	Precision Medicine in Multiple Sclerosis: Future of PET Imaging of Inflammation and Reactive Astrocytes. Frontiers in Molecular Neuroscience, 2016, 9, 85.	1.4	19
221	TSPO Ligand-Methotrexate Prodrug Conjugates: Design, Synthesis, and Biological Evaluation. International Journal of Molecular Sciences, 2016, 17, 967.	1.8	7
222	Synthesis, Characterization, and Cytotoxicity of the First Oxaliplatin Pt(IV) Derivative Having a TSPO Ligand in the Axial Position. International Journal of Molecular Sciences, 2016, 17, 1010.	1.8	19
223	Synthesis and Evaluation of Tricarbonyl ^{99m} Tc-Labeled 2-(4-Chloro)phenyl-imidazo[1,2-a]pyridine Analogs as Novel SPECT Imaging Radiotracer for TSPO-Rich Cancer. International Journal of Molecular Sciences, 2016, 17, 1085.	1.8	14
224	Augmented expression of TSPO after intracerebral hemorrhage: a role in inflammation?. Journal of Neuroinflammation, 2016, 13, 151.	3.1	71
225	18F-DPA-714 PET Imaging for Detecting Neuroinflammation in Rats with Chronic Hepatic Encephalopathy. Theranostics, 2016, 6, 1220-1231.	4.6	14
226	Systematic Analysis of Translocator Protein 18 kDa (TSPO) Ligands on Toll-like Receptors-mediated Pro-inflammatory Responses in Microglia and Astrocytes. Experimental Neurobiology, 2016, 25, 262-268.	0.7	24
227	A novel translocator protein 18 kDa ligand, ZBD α 2, exerts neuroprotective effects against acute spinal cord injury. Clinical and Experimental Pharmacology and Physiology, 2016, 43, 930-938.	0.9	8
228	New insights in the systemic and molecular underpinnings of general anesthetic actions mediated by β -aminobutyric acid A receptors. Current Opinion in Anaesthesiology, 2016, 29, 447-453.	0.9	26
229	Overview of Innovative Mouse Models for Imaging Neuroinflammation. Current Protocols in Mouse Biology, 2016, 6, 131-147.	1.2	1
230	Novel Pyrrolo[1,2-a]Pyrazines (TSPO Ligands) with Anxiolytic Activity Dependent on Neurosteroid Biosynthesis. Pharmaceutical Chemistry Journal, 2016, 50, 501-504.	0.3	19
231	TSPO ligand residence time: a new parameter to predict compound neurosteroidogenic efficacy. Scientific Reports, 2016, 6, 18164.	1.6	53
232	Etifoxine improves sensorimotor deficits and reduces glial activation, neuronal degeneration, and neuroinflammation in a rat model of traumatic brain injury. Journal of Neuroinflammation, 2016, 13, 203.	3.1	37
233	Design, synthesis and biological evaluation of methyl-2-(2-(5-bromo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 187 Td (benzoxazolone)acetate 114491-114499.	1.7	12
234	Blood-brain barrier and intestinal epithelial barrier alterations in autism spectrum disorders. Molecular Autism, 2016, 7, 49.	2.6	324
235	Differential efficacy of the TSPO ligands etifoxine and XBD-173 in two rodent models of Multiple Sclerosis. Neuropharmacology, 2016, 108, 229-237.	2.0	36
236	Shutting down the pore: The search for small molecule inhibitors of the mitochondrial permeability transition. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1197-1202.	0.5	26

#	ARTICLE	IF	CITATIONS
237	Translocator Protein 18 kDa (TSPO): An Old Protein with New Functions?. <i>Biochemistry</i> , 2016, 55, 2821-2831.	1.2	96
238	A translocator protein 18 kDa ligand, Ro5-4864, inhibits ATP-induced NLRP3 inflammasome activation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 587-593.	1.0	34
239	Translocator protein (TSPO) ligands for the diagnosis or treatment of neurodegenerative diseases: a patent review (2010–2015; part 1). <i>Expert Opinion on Therapeutic Patents</i> , 2016, 26, 1325-1351.	2.4	31
240	Multitasking Microglia and Alzheimer's Disease: Diversity, Tools and Therapeutic Targets. <i>Journal of Molecular Neuroscience</i> , 2016, 60, 390-404.	1.1	12
241	Current status and future perspectives: TSPO in steroid neuroendocrinology. <i>Journal of Endocrinology</i> , 2016, 231, R1-R30.	1.2	32
242	Translocator Protein (TSPO) Expression in Platelets of Depressed Patients Decreases during Antidepressant Therapy. <i>Pharmacopsychiatry</i> , 2016, 49, 204-209.	1.7	11
243	Neurosteroidogenesis Today: Novel Targets for Neuroactive Steroid Synthesis and Action and Their Relevance for Translational Research. <i>Journal of Neuroendocrinology</i> , 2016, 28, 12351.	1.2	137
244	The impact of high and low dose ionising radiation on the central nervous system. <i>Redox Biology</i> , 2016, 9, 144-156.	3.9	96
245	The antidepressant-like activity of AC-5216, a ligand for 18KDa translocator protein (TSPO), in an animal model of diabetes mellitus. <i>Scientific Reports</i> , 2016, 6, 37345.	1.6	26
246	Automated synthesis of 4-[¹⁸ F]fluoroanisole, [¹⁸ F]DAA1106 and 4-[¹⁸ F]FPhe using Cu-mediated radiofluorination under minimal conditions. <i>Applied Radiation and Isotopes</i> , 2016, 115, 133-137.	0.7	26
247	Dependence of anxiolytic effects of the dipeptide TSPO ligand GD-23 on neurosteroid biosynthesis. <i>Doklady Biochemistry and Biophysics</i> , 2016, 469, 298-301.	0.3	4
248	TSPO activation modulates the effects of high pressure in a rat <i>ex vivo</i> glaucoma model. <i>Neuropharmacology</i> , 2016, 111, 142-159.	2.0	18
249	Synergistic Modulation of \hat{I}^3 -Aminobutyric Acid Type A Receptor-Mediated Synaptic Inhibition in Cortical Networks by Allopregnanolone and Propofol. <i>Anesthesia and Analgesia</i> , 2016, 123, 877-883.	1.1	9
250	Over-expression of TSPO in the hippocampal CA1 area alleviates cognitive dysfunction caused by lipopolysaccharide in mice. <i>Brain Research</i> , 2016, 1646, 402-409.	1.1	14
251	TSPO-ligands prevent oxidative damage and inflammatory response in C6 glioma cells by neurosteroid synthesis. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 88, 124-131.	1.9	36
252	Temporal changes in the expression of the translocator protein TSPO and the steroidogenic enzyme 5 \hat{I} -reductase in the dorsal spinal cord of animals with neuropathic pain: Effects of progesterone administration. <i>Neuroscience Letters</i> , 2016, 624, 23-28.	1.0	17
253	In vivo imaging of neuroinflammation in schizophrenia. <i>Schizophrenia Research</i> , 2016, 173, 200-212.	1.1	118
254	Mitochondrial drug targets in neurodegenerative diseases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 714-720.	1.0	23

#	ARTICLE	IF	CITATIONS
255	Imaging of neuroinflammation in Alzheimer's disease, multiple sclerosis and stroke: Recent developments in positron emission tomography. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 425-441.	1.8	63
256	In Vivo Imaging of Human Neuroinflammation. <i>ACS Chemical Neuroscience</i> , 2016, 7, 470-483.	1.7	165
257	Levels and actions of neuroactive steroids in the nervous system under physiological and pathological conditions: Sex-specific features. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 67, 25-40.	2.9	76
258	Inhibiting neuroinflammation: The role and therapeutic potential of GABA in neuro-immune interactions. <i>Brain, Behavior, and Immunity</i> , 2016, 54, 260-277.	2.0	99
259	TSPO ligand PK11195 alleviates neuroinflammation and beta-amyloid generation induced by systemic LPS administration. <i>Brain Research Bulletin</i> , 2016, 121, 192-200.	1.4	47
260	TSPO: kaleidoscopic 18-kDa amid biochemical pharmacology, control and targeting of mitochondria. <i>Biochemical Journal</i> , 2016, 473, 107-121.	1.7	67
261	Imaging Microglial Activation with TSPO PET: Lighting Up Neurologic Diseases?. <i>Journal of Nuclear Medicine</i> , 2016, 57, 165-168.	2.8	145
262	Mitochondrial translocator protein (TSPO): From physiology to cardioprotection. <i>Biochemical Pharmacology</i> , 2016, 105, 1-13.	2.0	60
263	Progesterone neuroprotection: The background of clinical trial failure. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 160, 53-66.	1.2	77
264	Molecular substrates of schizophrenia: homeostatic signaling to connectivity. <i>Molecular Psychiatry</i> , 2016, 21, 10-28.	4.1	85
266	Evaluation of PET Imaging Performance of the TSPO Radioligand [18F]DPA-714 in Mouse and Rat Models of Cancer and Inflammation. <i>Molecular Imaging and Biology</i> , 2016, 18, 127-134.	1.3	12
267	The pharmacological regulation of cellular mitophagy. <i>Nature Chemical Biology</i> , 2017, 13, 136-146.	3.9	240
268	Microglial activation in Parkinson's disease using [18F]-FEPPA. <i>Journal of Neuroinflammation</i> , 2017, 14, 8.	3.1	88
269	Effect of ZBD-2 on chronic pain, depressive-like behaviors, and recovery of motor function following spinal cord injury in mice. <i>Behavioural Brain Research</i> , 2017, 322, 92-99.	1.2	21
270	Identification of novel anti cancer agents by applying insilico methods for inhibition of TSPO protein. <i>Computational Biology and Chemistry</i> , 2017, 68, 43-55.	1.1	15
271	Brain translocator protein occupancy by ONO-2952 in healthy adults: A Phase 1 PET study using [¹¹ C]PBR28. <i>Synapse</i> , 2017, 71, e21970.	0.6	7
272	In vivo imaging of translocator protein, a marker of activated microglia, in alcohol dependence. <i>Molecular Psychiatry</i> , 2017, 22, 1759-1766.	4.1	64
273	Novel therapeutic approaches for disease-modification of epileptogenesis for curing epilepsy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1519-1538.	1.8	74

#	ARTICLE	IF	CITATIONS
274	4â€²-Chlorodiazepam Protects Mitochondria in T98G Astrocyte Cell Line from Glucose Deprivation. <i>Neurotoxicity Research</i> , 2017, 32, 163-171.	1.3	16
275	Development of a ¹⁸ F-Labeled Radiotracer with Improved Brain Kinetics for Positron Emission Tomography Imaging of Translocator Protein (18 kDa) in Ischemic Brain and Glioma. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4047-4061.	2.9	22
276	A TSPO ligand attenuates brain injury after intracerebral hemorrhage. <i>FASEB Journal</i> , 2017, 31, 3278-3287.	0.2	59
277	Brain microglia in psychiatric disorders. <i>Lancet Psychiatry</i> , 2017, 4, 563-572.	3.7	208
278	Design, synthesis, biological evaluation and molecular modelling of 2-(2-aryloxyphenyl)-1,4-dihydroisoquinolin-3(2 H)-ones: A novel class of TSPO ligands modulating amyloid- β -induced mPTP opening. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 104, 366-381.	1.9	23
279	Neurosteroid biosynthesis downâ€­regulation and changes in GABA _A receptor subunit composition: a <i>biomarker axis</i> in stressâ€­induced cognitive and emotional impairment. <i>British Journal of Pharmacology</i> , 2017, 174, 3226-3241.	2.7	105
280	Microglial positron emission tomography (PET) imaging in epilepsy: Applications, opportunities and pitfalls. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2017, 44, 42-47.	0.9	28
281	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
282	The 18 kDa Translocator Protein (TSPO): Cholesterol Trafficking and the Biology of a Prognostic and Therapeutic Mitochondrial Target. <i>Biological and Medical Physics Series</i> , 2017, , 285-315.	0.3	2
283	Inflammation in the Neurocircuitry of Obsessive-Compulsive Disorder. <i>JAMA Psychiatry</i> , 2017, 74, 833.	6.0	132
284	A Facile Radiolabeling of [¹⁸ F]FDPA via Spirocyclic Iodonium Ylides: Preliminary PET Imaging Studies in Preclinical Models of Neuroinflammation. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 5222-5227.	2.9	43
285	Differential effects of the 18-kDa translocator protein (TSPO) ligand etifoxine on steroidogenesis in rat brain, plasma and steroidogenic glands: Pharmacodynamic studies. <i>Psychoneuroendocrinology</i> , 2017, 83, 122-134.	1.3	26
286	The Anxiolytic Etifoxine Binds to TSPO Ro5-4864 Binding Site with Long Residence Time Showing a High Neurosteroidogenic Activity. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1448-1454.	1.7	33
287	Metal complexes targeting the Translocator Protein 18 kDa (TSPO). <i>Coordination Chemistry Reviews</i> , 2017, 341, 1-18.	9.5	23
288	Cholesterol-mediated allosteric regulation of the mitochondrial translocator protein structure. <i>Nature Communications</i> , 2017, 8, 14893.	5.8	67
289	Randomised clinical trial: exploratory phase 2 study of ONOâ€­2952 in diarrhoeaâ€­predominant irritable bowel syndrome. <i>Alimentary Pharmacology and Therapeutics</i> , 2017, 45, 14-26.	1.9	16
290	Anti-PTSD-like effects of albiflorin extracted from <i>Radix paeoniae Alba</i> . <i>Journal of Ethnopharmacology</i> , 2017, 198, 324-330.	2.0	21
291	The ligands of translocator protein inhibit human Th1 responses and the rejection of murine skin allografts. <i>Clinical Science</i> , 2017, 131, 297-308.	1.8	5

#	ARTICLE	IF	CITATIONS
292	Alcoholâ€Enhanced Cuâ€Mediated Radiofluorination. Chemistry - A European Journal, 2017, 23, 3251-3256.	1.7	104
293	Inhibition of the potassium channel K Ca 3.1 by senicapoc reverses tactile allodynia in rats with peripheral nerve injury. European Journal of Pharmacology, 2017, 795, 1-7.	1.7	26
294	Quantification of ONO-2952 Occupancy of 18-kDa Translocator Protein in Conscious Monkey Brains using Positron Emission Tomography. Journal of Pharmacology and Experimental Therapeutics, 2017, 360, 457-465.	1.3	6
295	Analgesic effects and pharmacologic mechanisms of the Gelsemium alkaloid koumine on a rat model of postoperative pain. Scientific Reports, 2017, 7, 14269.	1.6	39
296	Discovery of thienopyrrolotriazine derivatives to protect mitochondrial function against AÎ²-induced neurotoxicity. European Journal of Medicinal Chemistry, 2017, 141, 240-256.	2.6	6
297	The translocator protein (18 kDa) and its role in neuropsychiatric disorders. Neuroscience and Biobehavioral Reviews, 2017, 83, 183-199.	2.9	23
298	Identification of new channels by systematic analysis of the mitochondrial outer membrane. Journal of Cell Biology, 2017, 216, 3485-3495.	2.3	40
299	Major depressive disorder and anxiety disorders from the glial perspective: Etiological mechanisms, intervention and monitoring. Neuroscience and Biobehavioral Reviews, 2017, 83, 474-488.	2.9	40
300	The translocator protein ligand XBD173 improves clinical symptoms and neuropathological markers in the SJL/J mouse model of multiple sclerosis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 3016-3027.	1.8	28
301	Exploiting the 4-Phenylquinazoline Scaffold for the Development of High Affinity Fluorescent Probes for the Translocator Protein (TSPO). Journal of Medicinal Chemistry, 2017, 60, 7897-7909.	2.9	13
302	PET imaging of putative microglial activation in individuals at ultra-high risk for psychosis, recently diagnosed and chronically ill with schizophrenia. Translational Psychiatry, 2017, 7, e1225-e1225.	2.4	70
303	Bridging Pharmaceutical Chemistry with Drug and Nanoparticle Targeting to Investigate the Role of the 18â€kDa Translocator Protein TSPO. ChemMedChem, 2017, 12, 1261-1274.	1.6	15
304	Discovery of Imidazoquinazolinone Derivatives as TSPO Ligands Modulating Neurosteroidogenesis and Cellular Bioenergetics in Neuroblastoma Cells Expressing Amyloid Precursor Protein. ChemistrySelect, 2017, 2, 6452-6457.	0.7	9
305	Allopregnanolone mediates the exacerbation of Tourette-like responses by acute stress in mouse models. Scientific Reports, 2017, 7, 3348.	1.6	25
306	2-Cl-MGV-1 Ameliorates Apoptosis in the Thalamus and Hippocampus and Cognitive Deficits After Cortical Infarct in Rats. Stroke, 2017, 48, 3366-3374.	1.0	35
307	<i>TSPO</i> mutations in rats and a human polymorphism impair the rate of steroid synthesis. Biochemical Journal, 2017, 474, 3985-3999.	1.7	80
308	Recent Progress in the Development of TSPO PET Ligands for Neuroinflammation Imaging in Neurological Diseases. Nuclear Medicine and Molecular Imaging, 2017, 51, 283-296.	0.6	80
310	Overexpression of the 18â€kDa translocator protein (TSPO) in the hippocampal dentate gyrus produced anxiolytic and antidepressant-like behavioural effects. Neuropharmacology, 2017, 125, 117-128.	2.0	25

#	ARTICLE	IF	CITATIONS
311	Sex and the development of Alzheimer's disease. <i>Journal of Neuroscience Research</i> , 2017, 95, 671-680.	1.3	280
312	Discovery of benzimidazole derivatives as modulators of mitochondrial function: A potential treatment for Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2017, 125, 1172-1192.	2.6	26
313	Preclinical in vivo and in vitro comparison of the translocator protein PET ligands [18F]PBR102 and [18F]PBR111. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 296-307.	3.3	19
314	A brief history of the search for the protein(s) involved in the acute regulation of steroidogenesis. <i>Molecular and Cellular Endocrinology</i> , 2017, 441, 7-16.	1.6	59
315	Microglia Priming with Aging and Stress. <i>Neuropsychopharmacology</i> , 2017, 42, 318-333.	2.8	284
316	Synthesis and in vitro characterization of novel fluorinated derivatives of the translocator protein 18 kDa ligand CfO-DPA-714. <i>European Journal of Medicinal Chemistry</i> , 2017, 125, 346-359.	2.6	7
317	Imaging Microglial Activation in Untreated First-Episode Psychosis: A PET Study With [¹⁸ F]FEPPA. <i>American Journal of Psychiatry</i> , 2017, 174, 118-124.	4.0	103
318	TSPO imaging using the novel PET ligand [18F]GE-180: quantification approaches in patients with multiple sclerosis. <i>EJNMMI Research</i> , 2017, 7, 89.	1.1	55
319	In Vivo Imaging in Rodents. , 2017, , 197-215.		0
320	Application of Solution NMR to Structural Studies on α -Helical Integral Membrane Proteins. <i>Molecules</i> , 2017, 22, 1347.	1.7	12
321	In Vivo Imaging of Glial Activation after Unilateral Labyrinthectomy in the Rat: A [18F]GE180-PET Study. <i>Frontiers in Neurology</i> , 2017, 8, 665.	1.1	15
322	Molecular Imaging of Neuroinflammation in Neurodegenerative Dementias: The Role of In Vivo PET Imaging. <i>International Journal of Molecular Sciences</i> , 2017, 18, 993.	1.8	64
323	A translocator protein 18 kDa agonist protects against cerebral ischemia/reperfusion injury. <i>Journal of Neuroinflammation</i> , 2017, 14, 151.	3.1	38
324	Microglial depletion and activation: A [11C]PBR28 PET study in nonhuman primates. <i>EJNMMI Research</i> , 2017, 7, 59.	1.1	39
326	Progesterone: Synthesis, Metabolism, Mechanism of Action, and Effects in the Nervous System. , 2017, , 215-244.		9
327	[¹⁸ F]FEPPA: Improved Automated Radiosynthesis, Binding Affinity, and Preliminary in Vitro Evaluation in Colorectal Cancer. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 177-181.	1.3	15
328	Imaging Macrophage-associated Inflammation. <i>Seminars in Nuclear Medicine</i> , 2018, 48, 242-245.	2.5	14
329	CRISPR/Cas9-Mediated Tspo Gene Mutations Lead to Reduced Mitochondrial Membrane Potential and Steroid Formation in MA-10 Mouse Tumor Leydig Cells. <i>Endocrinology</i> , 2018, 159, 1130-1146.	1.4	42

#	ARTICLE	IF	CITATIONS
330	Challenges and approaches to understand cholesterol-binding impact on membrane protein function: an NMR view. Cellular and Molecular Life Sciences, 2018, 75, 2137-2151.	2.4	16
331	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.	0.7	15
332	Perturbations of Native Membrane Protein Structure in Alkyl Phosphocholine Detergents: A Critical Assessment of NMR and Biophysical Studies. Chemical Reviews, 2018, 118, 3559-3607.	23.0	132
333	Evaluation of the novel TSPO radiotracer		

#	ARTICLE	IF	CITATIONS
348	Microglial Activation on ¹¹ C-CB184 PET in a Patient With Cerebellar Ataxia Associated With HIV Infection. <i>Clinical Nuclear Medicine</i> , 2018, 43, e82-e84.	0.7	4
349	The emergence of new psychoactive substance (NPS) benzodiazepines: A review. <i>Drug Testing and Analysis</i> , 2018, 10, 37-53.	1.6	81
350	Translational evaluation of translocator protein as a marker of neuroinflammation in schizophrenia. <i>Molecular Psychiatry</i> , 2018, 23, 323-334.	4.1	159
351	Kinetic modelling of [¹¹ C]PBR28 for 18 kDa translocator protein PET data: A validation study of vascular modelling in the brain using XBD173 and tissue analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1227-1242.	2.4	51
352	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
353	Translocator protein (18 kDa): an update on its function in steroidogenesis. <i>Journal of Neuroendocrinology</i> , 2018, 30, e12500.	1.2	83
354	Imaging of glia activation in people with primary lateral sclerosis. <i>NeuroImage: Clinical</i> , 2018, 17, 347-353.	1.4	29
355	Antidepressant-like effect of fluoxetine may depend on translocator protein activity and pretest session duration in forced swimming test in mice. <i>Behavioural Pharmacology</i> , 2018, 29, 375-378.	0.8	9
356	Brain TSPO imaging and gray matter volume in schizophrenia patients and in people at ultra high risk of psychosis: An [¹¹ C]PBR28 study. <i>Schizophrenia Research</i> , 2018, 195, 206-214.	1.1	48
357	The Low-Affinity Binding of Second Generation Radiotracers Targeting TSPO is Associated with a Unique Allosteric Binding Site. <i>Journal of NeuroImmune Pharmacology</i> , 2018, 13, 1-5.	2.1	14
358	Translocator protein agonist Ro5-4864 alleviates neuropathic pain and promotes remyelination in the sciatic nerve. <i>Molecular Pain</i> , 2018, 14, 174480691774801.	1.0	13
359	MRI visualization of neuroinflammation using VCAM-1 targeted paramagnetic micelles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2341-2350.	1.7	13
360	Impact of Endothelial 18-kDa Translocator Protein on the Quantification of ¹⁸ F-DPA-714. <i>Journal of Nuclear Medicine</i> , 2018, 59, 307-314.	2.8	52
361	Elevated Translocator Protein in Anterior Cingulate in Major Depression and a Role for Inflammation in Suicidal Thinking: A Positron Emission Tomography Study. <i>Biological Psychiatry</i> , 2018, 83, 61-69.	0.7	266
362	Mitochondrial Targeted Therapies: Where Do We Stand in Mental Disorders?. <i>Biological Psychiatry</i> , 2018, 83, 770-779.	0.7	16
363	Overview of the Molecular Steps in Steroidogenesis of the GABAergic Neurosteroids Allopregnanolone and Pregnanolone. <i>Chronic Stress</i> , 2018, 2, 247054701881855.	1.7	28
364	Tracking Macrophage Infiltration in a Mouse Model of Pancreatic Cancer with the Positron Emission Tomography Tracer [¹¹ C]PBR28. <i>Journal of Surgical Research</i> , 2018, 232, 570-577.	0.8	16
365	The Mitochondrial Translocator Protein and the Emerging Link Between Oxidative Stress and Arrhythmias in the Diabetic Heart. <i>Frontiers in Physiology</i> , 2018, 9, 1518.	1.3	18

#	ARTICLE	IF	CITATIONS
366	Transcriptional regulation of Translocator protein (18 kDa) (TSPO) in microglia requires Pu.1, Ap1 and Sp factors. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018, 1861, 1119-1133.	0.9	13
367	Expression and purification of the mammalian translocator protein for structural studies. <i>PLoS ONE</i> , 2018, 13, e0198832.	1.1	2
368	Insights into Cholesterol/Membrane Protein Interactions Using Paramagnetic Solid-State NMR. <i>Chemistry - A European Journal</i> , 2018, 24, 17606-17611.	1.7	16
369	Neurosteroid Metabolites of Gonadal Steroid Hormones in Neuroprotection: Implications for Sex Differences in Neurodegenerative Disease. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 359.	1.4	28
370	Structural Prediction of the Dimeric Form of the Mammalian Translocator Membrane Protein TSPO: A Key Target for Brain Diagnostics. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2588.	1.8	15
371	Emerging PET Radiotracers and Targets for Imaging of Neuroinflammation in Neurodegenerative Diseases: Outlook Beyond TSPO. <i>Molecular Imaging</i> , 2018, 17, 153601211879231.	0.7	158
372	Anxiolytics targeting GABA _A receptors: Insights on etifoxine. <i>World Journal of Biological Psychiatry</i> , 2018, 19, S36-S45.	1.3	32
373	Synthesis of two novel [18F]fluorobenzene-containing radiotracers via spirocyclic iodonium ylides and positron emission tomography imaging of translocator protein (18 kDa) in ischemic brain. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8325-8335.	1.5	7
374	Effects of chronic antipsychotic drug exposure on the expression of Translocator Protein and inflammatory markers in rat adipose tissue. <i>Psychoneuroendocrinology</i> , 2018, 95, 28-33.	1.3	12
375	Neuroinflammation in acute hepatic encephalopathy rats: imaging and therapeutic effectiveness evaluation using 11C-PK11195 and 18F-DPA-714 micro-positron emission tomography. <i>Metabolic Brain Disease</i> , 2018, 33, 1733-1742.	1.4	7
376	Antenatal prevention of cerebral palsy and childhood disability: is the impossible possible?. <i>Journal of Physiology</i> , 2018, 596, 5593-5609.	1.3	12
377	Koumine Attenuates Neuroglia Activation and Inflammatory Response to Neuropathic Pain. <i>Neural Plasticity</i> , 2018, 2018, 1-13.	1.0	47
378	In vivo Imaging of Glial Activation in Alzheimer's Disease. <i>Frontiers in Neurology</i> , 2018, 9, 625.	1.1	71
379	Cytoprotective effects of paeoniflorin are associated with translocator protein 18 kDa. <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 19-23.	2.5	3
380	Translocator protein 18kDa antagonist ameliorates stress-induced stool abnormality and abdominal pain in rodent stress models. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13425.	1.6	2
381	Plasma Translocator Protein Levels and Outcomes of Acute Ischemic Stroke: A Pilot Study. <i>Disease Markers</i> , 2018, 2018, 1-7.	0.6	10
382	Assessment of Translocator Protein Density, as Marker of Neuroinflammation, in Major Depressive Disorder: A Pilot, Multicenter, Comparative, Controlled, Brain PET Study (INFLADEP Study). <i>Frontiers in Psychiatry</i> , 2018, 9, 326.	1.3	14
383	Translocator Protein (TSPO) as a Potential Biomarker in Human Cancers. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2176.	1.8	57

#	ARTICLE	IF	CITATIONS
384	Microglia Activation and Immunomodulatory Therapies for Retinal Degenerations. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 176.	1.8	35
385	Microglia Gone Rogue: Impacts on Psychiatric Disorders across the Lifespan. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 421.	1.4	151
386	The multistress-induced Translocator protein (TSPO) differentially modulates storage lipids metabolism in seeds and seedlings. <i>Plant Journal</i> , 2018, 96, 274-286.	2.8	14
387	Assessment of TSPO in a Rat Experimental Autoimmune Myocarditis Model: A Comparison Study between [18F]Fluoromethyl-PBR28 and [18F]CB251. <i>International Journal of Molecular Sciences</i> , 2018, 19, 276.	1.8	21
388	Delivery of Proapoptotic Agents in Glioma Cell Lines by TSPO Ligand-Dextran Nanogels. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1155.	1.8	18
389	TSPO: An Evolutionarily Conserved Protein with Elusive Functions. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1694.	1.8	64
390	Effects of genetic variants in the TSPO gene on protein structure and stability. <i>PLoS ONE</i> , 2018, 13, e0195627.	1.1	19
391	The expression of inflammatory markers and their potential influence on efflux transporters in drug-resistant mesial temporal lobe epilepsy tissue. <i>Epilepsia</i> , 2018, 59, 1507-1517.	2.6	46
392	Antidepressant-like effects of translocator protein (18 kDa) ligand ZBD-2 in mouse models of postpartum depression. <i>Molecular Brain</i> , 2018, 11, 12.	1.3	27
393	Microglial activation mediates chronic mild stress-induced depressive- and anxiety-like behavior in adult rats. <i>Journal of Neuroinflammation</i> , 2018, 15, 21.	3.1	262
394	Integrated magnetic resonance imaging and [¹¹ C]PBR28 positron emission tomographic imaging in amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 2018, 83, 1186-1197.	2.8	75
395	Microglial activation is inversely associated with cognition in individuals living with HIV on effective antiretroviral therapy. <i>Aids</i> , 2018, 32, 1661-1667.	1.0	60
396	The Effect of Citalopram on Genome-Wide DNA Methylation of Human Cells. <i>International Journal of Genomics</i> , 2018, 2018, 1-12.	0.8	13
397	[18F]DAA1106: Automated radiosynthesis using spirocyclic iodonium ylide and preclinical evaluation for positron emission tomography imaging of translocator protein (18 kDa). <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 4817-4822.	1.4	16
398	Integrated imaging of [11C]-PBR28 PET, MR diffusion and magnetic resonance spectroscopy 1H-MRS in amyotrophic lateral sclerosis. <i>NeuroImage: Clinical</i> , 2018, 20, 357-364.	1.4	45
399	Neuroprotective effect of zolpidem against glutamate-induced toxicity is mediated via the PI3K/Akt pathway and inhibited by PK11195. <i>Toxicology</i> , 2018, 406-407, 58-69.	2.0	24
400	Principles of inflammasome priming and inhibition: Implications for psychiatric disorders. <i>Brain, Behavior, and Immunity</i> , 2018, 73, 66-84.	2.0	88
401	Preclinical Evaluation of a Novel TSPO PET Ligand 2-(7-Butyl-2-(4-(2-[18F]Fluoroethoxy)phenyl)-5-Methylpyrazolo[1,5-a]Pyrimidin-3-yl)-N,N-Diethylacetamide (18F-VUHS1018A) to Image Glioma. <i>Molecular Imaging and Biology</i> , 2019, 21, 113-121.	1.3	14

#	ARTICLE	IF	CITATIONS
402	Imaging Pulmonary Foreign Body Reaction Using [125I]iodo-DPA-713 SPECT/CT in Mice. <i>Molecular Imaging and Biology</i> , 2019, 21, 228-231.	1.3	1
403	Positron emission tomography of type 2 cannabinoid receptors for detecting inflammation in the central nervous system. <i>Acta Pharmacologica Sinica</i> , 2019, 40, 351-357.	2.8	39
404	Neuroactive steroids, neurosteroidogenesis and sex. <i>Progress in Neurobiology</i> , 2019, 176, 1-17.	2.8	75
405	Bioenergetics and translational metabolism: implications for genetics, physiology and precision medicine. <i>Biological Chemistry</i> , 2019, 401, 3-29.	1.2	41
406	<p>An update on the anxiolytic and neuroprotective properties of etifoxine: from brain GABA modulation to a whole-body mode of action<p>. <i>Neuropsychiatric Disease and Treatment</i> , 2019, Volume 15, 1781-1795.	1.0	19
407	Effects of Cigarette Smoke on TSPO-related Mitochondrial Processes. <i>Cells</i> , 2019, 8, 694.	1.8	15
408	CRISPR-Cas9 Mediated TSPO Gene Knockout alters Respiration and Cellular Metabolism in Human Primary Microglia Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3359.	1.8	45
409	VDAC1 and the TSPO: Expression, Interactions, and Associated Functions in Health and Disease States. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3348.	1.8	68
410	Olesoxime in neurodegenerative diseases: Scrutinising a promising drug candidate. <i>Biochemical Pharmacology</i> , 2019, 168, 305-318.	2.0	22
411	CETSA beyond Soluble Targets: a Broad Application to Multipass Transmembrane Proteins. <i>ACS Chemical Biology</i> , 2019, 14, 1913-1920.	1.6	55
412	Characterisation of the ligand binding sites in the translocator protein TSPO using the chimeric bacterial-mammalian constructs. <i>Protein Expression and Purification</i> , 2019, 164, 105456.	0.6	6
413	Stress, sex hormones, inflammation, and major depressive disorder: Extending Social Signal Transduction Theory of Depression to account for sex differences in mood disorders. <i>Psychopharmacology</i> , 2019, 236, 3063-3079.	1.5	186
414	Animal Models of PTSD: The Socially Isolated Mouse and the Biomarker Role of Allopregnanolone. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 114.	1.0	41
415	Green Fluorescent Terbium (III) Complex Doped Silica Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3139.	1.8	15
416	TSPO Ligands Boost Mitochondrial Function and Pregnenolone Synthesis. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 1045-1058.	1.2	38
417	Synthesis and in vitro evaluation of new translocator protein ligands designed for positron emission tomography. <i>Future Medicinal Chemistry</i> , 2019, 11, 539-550.	1.1	3
418	Applications of amyloid, tau, and neuroinflammation PET imaging to Alzheimer's disease and mild cognitive impairment. <i>Human Brain Mapping</i> , 2019, 40, 5424-5442.	1.9	127
419	AUTACs: Cargo-Specific Degradors Using Selective Autophagy. <i>Molecular Cell</i> , 2019, 76, 797-810.e10.	4.5	319

#	ARTICLE	IF	CITATIONS
420	Expedited mapping of the ligandable proteome using fully functionalized enantiomeric probe pairs. <i>Nature Chemistry</i> , 2019, 11, 1113-1123.	6.6	93
421	Microglia in Retinal Degeneration. <i>Frontiers in Immunology</i> , 2019, 10, 1975.	2.2	224
422	An alternative theory for hormone effects on sex differences in PTSD: The role of heightened sex hormones during trauma. <i>Psychoneuroendocrinology</i> , 2019, 109, 104416.	1.3	32
423	Stress and drug abuse-related disorders: The promising therapeutic value of neurosteroids focus on pregnenolone-progesterone-allopregnanolone pathway. <i>Frontiers in Neuroendocrinology</i> , 2019, 55, 100789.	2.5	27
424	Systemic knockout of Tspo in mice does not affect retinal morphology, function and susceptibility to degeneration. <i>Experimental Eye Research</i> , 2019, 188, 107816.	1.2	12
425	Suicide and Microglia: Recent Findings and Future Perspectives Based on Human Studies. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 31.	1.8	62
426	A tracer-based method enables tracking of <i>Plasmodium falciparum</i> malaria parasites during human skin infection. <i>Theranostics</i> , 2019, 9, 2768-2778.	4.6	9
427	The association of psychosocial risk factors for mental health with a brain marker altered by inflammation: A translocator protein (TSPO) PET imaging study. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 742-750.	2.0	6
428	A Novel Dipeptide Ligand of TSPO. <i>Doklady Biochemistry and Biophysics</i> , 2019, 484, 17-20.	0.3	7
429	Microglial alterations induced by psychoactive drugs: A possible mechanism in substance use disorder?. <i>Seminars in Cell and Developmental Biology</i> , 2019, 94, 164-175.	2.3	9
430	Radiosynthesis of (<i>R,S</i>)- ¹⁸ F]GE387: A Potential PET Radiotracer for Imaging Translocator Protein 18kDa (TSPO) with Low Binding Sensitivity to the Human Gene Polymorphism rs6971. <i>ChemMedChem</i> , 2019, 14, 982-993.	1.6	22
431	Neuroactive Steroids and GABAergic Involvement in the Neuroendocrine Dysfunction Associated With Major Depressive Disorder and Postpartum Depression. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 83.	1.8	66
432	Characterization of the High-Affinity Drug Ligand Binding Site of Mouse Recombinant TSPO. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1444.	1.8	10
433	GABA(A) receptor-targeted drug development -New perspectives in perioperative anesthesia. <i>Expert Opinion on Drug Discovery</i> , 2019, 14, 683-699.	2.5	20
434	Confirmation of Specific Binding of the 18-kDa Translocator Protein (TSPO) Radioligand [¹⁸ F]GE-180: a Blocking Study Using XBD173 in Multiple Sclerosis Normal Appearing White and Grey Matter. <i>Molecular Imaging and Biology</i> , 2019, 21, 935-944.	1.3	32
435	Current understanding of fear learning and memory in humans and animal models and the value of a linguistic approach for analyzing fear learning and memory in humans. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 105, 136-177.	2.9	36
436	Role of the inflammasomes in HIV-associated neuroinflammation and neurocognitive disorders. <i>Experimental and Molecular Pathology</i> , 2019, 108, 64-72.	0.9	35
437	Differential effects of TSPO ligands on mitochondrial function in mouse microglia cells. <i>Psychoneuroendocrinology</i> , 2019, 106, 65-76.	1.3	57

#	ARTICLE	IF	CITATIONS
438	Translocator Protein Ligand Protects against Neurodegeneration in the MPTP Mouse Model of Parkinsonism. <i>Journal of Neuroscience</i> , 2019, 39, 3752-3769.	1.7	46
439	<p>The blood transcriptional signature for active and latent tuberculosis</p>. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 321-328.	1.1	9
440	Animal models of post-traumatic stress disorder and novel treatment targets. <i>Behavioural Pharmacology</i> , 2019, 30, 130-150.	0.8	45
441	Brain glial activation in fibromyalgia â€œ A multi-site positron emission tomography investigation. <i>Brain, Behavior, and Immunity</i> , 2019, 75, 72-83.	2.0	186
442	Sevoflurane exposure has minimal effect on cognitive function and does not alter microglial activation in adult monkeys. <i>NeuroToxicology</i> , 2019, 71, 159-167.	1.4	16
443	Molecular Imaging of Dementia With Lewy Bodies. <i>International Review of Neurobiology</i> , 2019, 144, 59-93.	0.9	10
444	Relationships between cerebrospinal fluid GABAergic neurosteroid levels and symptom severity in men with PTSD. <i>Psychoneuroendocrinology</i> , 2019, 102, 95-104.	1.3	58
445	Inflammation and vascular permeability correlate with growth in sporadic vestibular schwannoma. <i>Neuro-Oncology</i> , 2019, 21, 314-325.	0.6	59
446	Extensive exploration of a novel rat model of Parkinson's disease using partial 6â€hydroxydopamine lesion of dopaminergic neurons suggests new therapeutic approaches. <i>Synapse</i> , 2019, 73, e22077.	0.6	11
447	Hypothalamic Inflammation at a Crossroad of Somatic Diseases. <i>Cellular and Molecular Neurobiology</i> , 2019, 39, 11-29.	1.7	13
448	Neuroendocrinological treatment targets for posttraumatic stress disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 90, 212-222.	2.5	13
449	Characterization of neuroinflammation and periphery-to-CNS inflammatory cross-talk in patients with disc herniation and degenerative disc disease. <i>Brain, Behavior, and Immunity</i> , 2019, 75, 60-71.	2.0	36
450	Generalization of endothelial modelling of TSPO PET imaging: Considerations on tracer affinities. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 874-885.	2.4	38
451	TSPO ligands prevent the proliferation of vascular smooth muscle cells and attenuate neointima formation through AMPK activation. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 34-46.	2.8	9
452	Endozepines and their receptors: Structure, functions and pathophysiological significance. , 2020, 208, 107386.		43
453	Fluorescence-activated cell sorting to reveal the cell origin of radioligand binding. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1242-1255.	2.4	36
454	Effects of pharmacologically induced Leydig cell testosterone production on intratesticular testosterone and spermatogenesisâ€. <i>Biology of Reproduction</i> , 2020, 102, 489-498.	1.2	25
455	Antidepressant effect of the translocator protein antagonist ONO-2952 on mouse behaviors under chronic social defeat stress. <i>Neuropharmacology</i> , 2020, 162, 107835.	2.0	26

#	ARTICLE	IF	CITATIONS
456	Sex differences in steroid levels and steroidogenesis in the nervous system: Physiopathological role. <i>Frontiers in Neuroendocrinology</i> , 2020, 56, 100804.	2.5	37
457	GABA α receptor and mitochondrial TSPO signaling act in parallel to regulate melanocyte stem cell quiescence in larval zebrafish. <i>Pigment Cell and Melanoma Research</i> , 2020, 33, 416-425.	1.5	4
458	Imaging of translocator protein upregulation is selective for pro-inflammatory polarized astrocytes and microglia. <i>Glia</i> , 2020, 68, 280-297.	2.5	85
459	Mitochondria modulatory effects of new TSPO ligands in a cellular model of tauopathies. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12796.	1.2	22
460	Translocator protein mediates olfactory repulsion. <i>FASEB Journal</i> , 2020, 34, 513-524.	0.2	3
461	In vivo monitoring of remnant undifferentiated neural cells following human induced pluripotent stem cell-derived neural stem/progenitor cells transplantation. <i>Stem Cells Translational Medicine</i> , 2020, 9, 465-477.	1.6	24
462	Translocator protein-mediated fast-onset antidepressant-like and memory-enhancing effects in chronically stressed mice. <i>Journal of Psychopharmacology</i> , 2020, 34, 441-451.	2.0	13
463	Insight into the Structural Features of TSPO: Implications for Drug Development. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 110-122.	4.0	20
464	Neuroinflammation trajectories precede cognitive impairment after experimental meningitis—evidence from an in vivo PET study. <i>Journal of Neuroinflammation</i> , 2020, 17, 5.	3.1	21
465	PET Imaging for Dynamically Monitoring Neuroinflammation in APP/PS1 Mouse Model Using [18F]DPA714. <i>Frontiers in Neuroscience</i> , 2020, 14, 810.	1.4	16
466	The Role of Translocator Protein TSPO in Hallmarks of Glioblastoma. <i>Cancers</i> , 2020, 12, 2973.	1.7	39
467	Neuroinflammation in psychiatric disorders: PET imaging and promising new targets. <i>Lancet Psychiatry</i> , 2020, 7, 1064-1074.	3.7	149
468	TSPO ligand etifoxine attenuates LPS-induced cognitive dysfunction in mice. <i>Brain Research Bulletin</i> , 2020, 165, 178-184.	1.4	5
469	Translocator Protein 18 kDa (TSPO) Deficiency Inhibits Microglial Activation and Impairs Mitochondrial Function. <i>Frontiers in Pharmacology</i> , 2020, 11, 986.	1.6	45
470	Innovations in the Neurosurgical Management of Epilepsy. <i>World Neurosurgery</i> , 2020, 139, 775-788.	0.7	8
471	Tracing the History of the Human Translocator Protein to Recent Neurodegenerative and Psychiatric Imaging. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2192-2200.	1.7	13
472	Serotonergic transmission is required for the anxiolytic-like behavioral effects of YL-IPA08, a selective ligand targeting TSPO. <i>Neuropharmacology</i> , 2020, 178, 108230.	2.0	3
473	Astrocytes in Parkinson's disease: from preclinical assays to in vivo imaging and therapeutic probes. <i>Neurobiology of Aging</i> , 2020, 95, 264-270.	1.5	8

#	ARTICLE	IF	CITATIONS
474	Targeting Mitochondria in Tumor-Associated Macrophages using a Dendrimer-Conjugated TSPO Ligand that Stimulates Antitumor Signaling in Glioblastoma. <i>Biomacromolecules</i> , 2020, 21, 3909-3922.	2.6	23
475	Synthesis and Structure-Activity (Anxiolytic) Relationship Analysis of Leucyltryptophan Ligands of 18-kDa Translocator Protein. <i>Pharmaceutical Chemistry Journal</i> , 2020, 54, 568-578.	0.3	2
476	Microglial translocator protein and stressor-related disorder. <i>Neurochemistry International</i> , 2020, 140, 104855.	1.9	6
477	In Vivo TSPO Signal and Neuroinflammation in Alzheimer's Disease. <i>Cells</i> , 2020, 9, 1941.	1.8	51
478	Mangosteen Pericarp and Its Bioactive Xanthenes: Potential Therapeutic Value in Alzheimer's Disease, Parkinson's Disease, and Depression with Pharmacokinetic and Safety Profiles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6211.	1.8	32
479	Impact of Cholesterol on the Stability of Monomeric and Dimeric Forms of the Translocator Protein TSPO: A Molecular Simulation Study. <i>Molecules</i> , 2020, 25, 4299.	1.7	6
480	TSPO-targeted PET and Optical Probes for the Detection and Localization of Premalignant and Malignant Pancreatic Lesions. <i>Clinical Cancer Research</i> , 2020, 26, 5914-5925.	3.2	7
481	Microglial Dysregulation and Suicidality: A Stress-Diathesis Perspective. <i>Frontiers in Psychiatry</i> , 2020, 11, 781.	1.3	15
482	TSPO Ligands PK11195 and Midazolam Reduce NLRP3 Inflammasome Activation and Proinflammatory Cytokine Release in BV-2 Cells. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 544431.	1.8	15
483	Cholesterol-binding protein TSPO2 coordinates maturation and proliferation of terminally differentiating erythroblasts. <i>Journal of Biological Chemistry</i> , 2020, 295, 8048-8063.	1.6	10
484	PET measurement of cyclooxygenase-2 using a novel radioligand: upregulation in primate neuroinflammation and first-in-human study. <i>Journal of Neuroinflammation</i> , 2020, 17, 140.	3.1	35
485	Potential therapeutic targets for intracerebral hemorrhage-associated inflammation: An update. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1752-1768.	2.4	91
486	Exploiting the Indole Scaffold to Design Compounds Binding to Different Pharmacological Targets. <i>Molecules</i> , 2020, 25, 2331.	1.7	16
487	Anxiolytic and Anti-depressive Like Effects of Translocator Protein (18kDa) Ligand YL-IPA08 in a Rat Model of Postpartum Depression. <i>Neurochemical Research</i> , 2020, 45, 1746-1757.	1.6	12
488	Translocator protein (18kDa) (TSPO) ligands activate Nrf2 signaling and attenuate inflammatory responses and oxidative stress in human retinal pigment epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 261-268.	1.0	8
489	Examination and characterisation of burst spinal cord stimulation on cerebrospinal fluid cellular and protein constituents in patient responders with chronic neuropathic pain - A Pilot Study. <i>Journal of Neuroimmunology</i> , 2020, 344, 577249.	1.1	13
490	The Bidirectional Relationship of Depression and Inflammation: Double Trouble. <i>Neuron</i> , 2020, 107, 234-256.	3.8	831
491	Translocator protein 18kDa: a potential therapeutic biomarker for post traumatic stress disorder. <i>Metabolic Brain Disease</i> , 2020, 35, 695-707.	1.4	0

#	ARTICLE	IF	CITATIONS
492	Extra-axial Inflammatory Signal in Parameninges in Migraine with Visual Aura. <i>Annals of Neurology</i> , 2020, 87, 939-949.	2.8	60
493	Peripheral cytokine and fatty acid associations with neuroinflammation in AD and aMCI patients: An exploratory study. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 679-688.	2.0	19
494	Novel Pt(IV) Prodrugs Displaying Antimitochondrial Effects. <i>Molecular Pharmaceutics</i> , 2020, 17, 3009-3023.	2.3	8
495	In-vivo imaging of neuroinflammation in veterans with Gulf War illness. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 498-507.	2.0	80
496	Amhr2-Cre-Mediated Global Tspo Knockout. <i>Journal of the Endocrine Society</i> , 2020, 4, bvaa001.	0.1	14
497	Anxiolytic Drug FGIN-1-27 Ameliorates Autoimmunity by Metabolic Reprogramming of Pathogenic Th17 Cells. <i>Scientific Reports</i> , 2020, 10, 3766.	1.6	10
498	A Plant-Specific N-terminal Extension Reveals Evolutionary Functional Divergence within Translocator Proteins. <i>IScience</i> , 2020, 23, 100889.	1.9	9
499	Microglial Function in the Effects of Early-Life Stress on Brain and Behavioral Development. <i>Journal of Clinical Medicine</i> , 2020, 9, 468.	1.0	51
500	A hypothesis of monoamine (5-HT) - Glutamate/GABA long neural circuit: Aiming for fast-onset antidepressant discovery. , 2020, 208, 107494.		80
501	Pregnane steroidogenesis is altered by HIV-1 Tat and morphine: Physiological allopregnanolone is protective against neurotoxic and psychomotor effects. <i>Neurobiology of Stress</i> , 2020, 12, 100211.	1.9	23
502	Benzothiazepines, diltiazem and JTV-519, exert an anxiolytic-like effect via neurosteroid biosynthesis in mice. <i>Journal of Pharmacological Sciences</i> , 2020, 143, 234-237.	1.1	2
503	Allopregnanolone: From molecular pathophysiology to therapeutics. A historical perspective. <i>Neurobiology of Stress</i> , 2020, 12, 100215.	1.9	55
504	Reliable quantification of 18F-GE-180 PET neuroinflammation studies using an individually scaled population-based input function or late tissue-to-blood ratio. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2887-2900.	3.3	10
505	Physiopathological role of the enzymatic complex 5 α -reductase and 3 β -hydroxysteroid oxidoreductase in the generation of progesterone and testosterone neuroactive metabolites. <i>Frontiers in Neuroendocrinology</i> , 2020, 57, 100836.	2.5	20
506	[11C]PBR28 MR-PET imaging reveals lower regional brain expression of translocator protein (TSPO) in young adult males with autism spectrum disorder. <i>Molecular Psychiatry</i> , 2021, 26, 1659-1669.	4.1	35
507	The neuroinflammatory component of negative affect in patients with chronic pain. <i>Molecular Psychiatry</i> , 2021, 26, 864-874.	4.1	42
508	Serum DBI and biomarkers of neuroinflammation in Alzheimer's disease and delirium. <i>Neurological Sciences</i> , 2021, 42, 1003-1007.	0.9	12
509	Mitochondria as a promising target for developing novel agents for treating Alzheimer's disease. <i>Medicinal Research Reviews</i> , 2021, 41, 803-827.	5.0	24

#	ARTICLE	IF	CITATIONS
510	Cholesterol homeostasis: Researching a dialogue between the brain and peripheral tissues. <i>Pharmacological Research</i> , 2021, 163, 105215.	3.1	50
511	Microglia in depression: current perspectives. <i>Science China Life Sciences</i> , 2021, 64, 911-925.	2.3	131
512	Recent developments on PET radiotracers for TSPO and their applications in neuroimaging. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 373-393.	5.7	82
513	Increased transcription of <i>TSPO</i> , <i>HDAC2</i> , and <i>HDAC6</i> in the amygdala of males with alcohol use disorder. <i>Brain and Behavior</i> , 2021, 11, e01961.	1.0	9
514	Effects of prenatal stress on behavioural and neurodevelopmental outcomes are altered by maternal separation in the neonatal period. <i>Psychoneuroendocrinology</i> , 2021, 124, 105060.	1.3	18
515	Dissociation of endocrine responses to the Trier Social Stress Test in Virtual Reality (VR-TSST) by the benzodiazepine alprazolam and the translocator protein 18kDa (TSPO) ligand etifoxine. <i>Psychoneuroendocrinology</i> , 2021, 124, 105100.	1.3	5
516	The Neuroimmunology of Chronic Pain: From Rodents to Humans. <i>Journal of Neuroscience</i> , 2021, 41, 855-865.	1.7	78
517	Membrane-Mediated Ligand Unbinding of the PK-11195 Ligand from TSPO. <i>Biophysical Journal</i> , 2021, 120, 158-167.	0.2	25
518	Regulation of Anxiety and Depression by Mitochondrial Translocator Protein-Mediated Steroidogenesis: the Role of Neurons. <i>Molecular Neurobiology</i> , 2021, 58, 550-563.	1.9	22
519	An update into the medicinal chemistry of translocator protein (TSPO) ligands. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112924.	2.6	31
520	Cholesterol homeostasis in the vertebrate retina: biology and pathobiology. <i>Journal of Lipid Research</i> , 2021, 62, 100057.	2.0	34
521	TSPO ligand FGIN-127 controls priapism in sickle cell mice via endogenous testosterone production. <i>Journal of Cellular Physiology</i> , 2021, 236, 3073-3082.	2.0	8
522	<i>TSPO</i> polymorphism in individuals with alcohol use disorder: Association with cholesterol levels and withdrawal severity. <i>Addiction Biology</i> , 2021, 26, e12838.	1.4	9
523	Gross Pathology in Schizophrenia. , 2021, , 13-25.		0
524	The translocator protein ligands as mitochondrial functional modulators for the potential anti-Alzheimer agents. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 831-846.	2.5	10
525	Examination and characterisation of the effect of amitriptyline therapy for chronic neuropathic pain on neuropeptide and proteomic constituents of human cerebrospinal fluid. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 10, 100184.	1.3	1
526	Thalamic neurometabolite alterations in patients with knee osteoarthritis before and after total knee replacement. <i>Pain</i> , 2021, 162, 2014-2023.	2.0	15
527	PET Imaging of Neuroinflammation. , 2021, , 1335-1371.		3

#	ARTICLE	IF	CITATIONS
528	Electromagnetic Fields and Calcium Signaling by the Voltage Dependent Anion Channel. Open Journal of Veterinary Medicine, 2021, 11, 57-86.	0.4	2
529	Leydig cell aging: Molecular mechanisms and treatments. Vitamins and Hormones, 2021, 115, 585-609.	0.7	12
530	The TSPO-specific Ligand PK11195 Protects Against LPS-Induced Cognitive Dysfunction by Inhibiting Cellular Autophagy. Frontiers in Pharmacology, 2020, 11, 615543.	1.6	6
531	Docosahexaenoic acid decreased inflammatory gene expression, but not 18-kDa translocator protein binding, in rat pup brain after controlled cortical impact. Journal of Trauma and Acute Care Surgery, 2021, 90, 866-873.	1.1	1
532	PET evaluation of light-induced modulation of microglial activation and GLP-1R expression in depressive rats. Translational Psychiatry, 2021, 11, 26.	2.4	8
533	Cellular sources of TSPO expression in healthy and diseased brain. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 49, 146-163.	3.3	85
534	Central Nervous System Molecular Imaging. , 2021, , 1261-1285.		0
535	Enhancing glucose metabolism via gluconeogenesis is therapeutic in a zebrafish model of Dravet syndrome. Brain Communications, 2021, 3, fcab004.	1.5	14
536	The Interplay of Cholesterol and Ligand Binding in hTSPO from Classical Molecular Dynamics Simulations. Molecules, 2021, 26, 1250.	1.7	5
537	Preclinical Neuropathic Pain Assessment; the Importance of Translatability and Bidirectional Research. Frontiers in Pharmacology, 2020, 11, 614990.	1.6	12
538	The Ligands of Translocator Protein: Design and Biological Properties. Current Pharmaceutical Design, 2021, 27, 217-237.	0.9	6
539	Translocator Protein Modulation by 4 α -Chlorodiazepam and NO Synthase Inhibition Affect Cardiac Oxidative Stress, Cardiometabolic and Inflammatory Markers in Isoprenaline-Induced Rat Myocardial Infarction. International Journal of Molecular Sciences, 2021, 22, 2867.	1.8	7
540	Neuroprotective effect of mitochondrial translocator protein ligand in a mouse model of tauopathy. Journal of Neuroinflammation, 2021, 18, 76.	3.1	24
541	Targeting Lysosomal Degradation Pathways: New Strategies and Techniques for Drug Discovery. Journal of Medicinal Chemistry, 2021, 64, 3493-3507.	2.9	58
542	The translocator protein (TSPO) is prodromal to mitophagy loss in neurotoxicity. Molecular Psychiatry, 2021, 26, 2721-2739.	4.1	10
543	In Vivo Receptor Visualization and Evaluation of Receptor Occupancy with Positron Emission Tomography. Journal of Medicinal Chemistry, 2021, 64, 5226-5251.	2.9	9
544	Direct and specific binding of cholesterol to the mitochondrial translocator protein (TSPO) using PhotoClick cholesterol analogue. Journal of Biochemistry, 2021, 170, 239-243.	0.9	6
545	The translocator protein gene is associated with endogenous pain modulation and the balance between glutamate and l ³ -aminobutyric acid in fibromyalgia and healthy subjects: a multimodal neuroimaging study. Pain, 2022, 163, 274-286.	2.0	10

#	ARTICLE	IF	CITATIONS
546	[11C]PK11195-PET Brain Imaging of the Mitochondrial Translocator Protein in Mitochondrial Disease. <i>Neurology</i> , 2021, 96, e2761-e2773.	1.5	7
547	Construction of dimeric hTSPO protein model using homology modeling and molecular dynamics. <i>Journal of Physics: Conference Series</i> , 2021, 1932, 012016.	0.3	1
548	Impact of TSPO Receptor Polymorphism on [18F]GE-180 Binding in Healthy Brain and Pseudo-Reference Regions of Neurooncological and Neurodegenerative Disorders. <i>Life</i> , 2021, 11, 484.	1.1	11
549	Kinetic isotope effects and synthetic strategies for deuterated carbon-11 and fluorine-18 labelled PET radiopharmaceuticals. <i>Nuclear Medicine and Biology</i> , 2021, 96-97, 112-147.	0.3	6
550	Contribution of TSPO imaging in the understanding of the state of gliosis in substance use disorders. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 49, 186-200.	3.3	5
551	Unravelling neuroinflammation in abusive head trauma with radiotracer imaging. <i>Pediatric Radiology</i> , 2021, 51, 966-970.	1.1	4
552	Gene expression studies in Depression development and treatment: an overview of the underlying molecular mechanisms and biological processes to identify biomarkers. <i>Translational Psychiatry</i> , 2021, 11, 354.	2.4	40
553	Bioinformatic Analyses of Canonical Pathways of TSPOAP1 and its Roles in Human Diseases. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 667947.	1.6	7
554	TSPO protein binding partners in bacteria, animals, and plants. <i>Journal of Bioenergetics and Biomembranes</i> , 2021, 53, 463-487.	1.0	15
555	Photodynamic Therapy—Current Limitations and Novel Approaches. <i>Frontiers in Chemistry</i> , 2021, 9, 691697.	1.8	215
556	Allopregnanolone: An overview on its synthesis and effects. <i>Journal of Neuroendocrinology</i> , 2022, 34, e12996.	1.2	33
557	P2X7R antagonists in chronic stress-based depression models: a review. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021, 271, 1343-1358.	1.8	26
558	Human in vivo neuroimaging to detect reprogramming of the cerebral immune response following repeated systemic inflammation. <i>Brain, Behavior, and Immunity</i> , 2021, 95, 321-329.	2.0	6
559	An interview with Dr. Vassilios Papadopoulos. <i>Biology of Reproduction</i> , 2021, 105, 1070-1074.	1.2	0
560	Microglia and the Aging Brain: Are Geriatric Microglia Linked to Poor Sleep Quality?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7824.	1.8	8
561	Microglia and HPA axis in depression: An overview of participation and relationship. <i>World Journal of Biological Psychiatry</i> , 2022, 23, 165-182.	1.3	13
563	A Modest Increase in 11C-PK11195-Positron Emission Tomography TSPO Binding in Depression Is Not Associated With Serum C-Reactive Protein or Body Mass Index. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 716-724.	1.1	10
564	Exploring Translocator Protein (TSPO) Medicinal Chemistry: An Approach for Targeting Radionuclides and Boron Atoms to Mitochondria. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 9649-9676.	2.9	2

#	ARTICLE	IF	CITATIONS
565	Design, Synthesis and Pharmacological Activity of New Pyrrolo[1,2-A] Pyrazine Translocator Protein (TSPO) Ligands. <i>Medicinal Chemistry</i> , 2022, 18, 497-508.	0.7	1
566	TSPO: an emerging role in appetite for a therapeutically promising biomarker. <i>Open Biology</i> , 2021, 11, 210173.	1.5	5
567	Preclinical evaluation of (S)-[18F]GE387, a novel 18-kDa translocator protein (TSPO) PET radioligand with low binding sensitivity to human polymorphism rs6971. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 49, 125-136.	3.3	11
568	Resolving the cellular specificity of TSPO imaging in a rat model of peripherally-induced neuroinflammation. <i>Brain, Behavior, and Immunity</i> , 2021, 96, 154-167.	2.0	16
569	The Translocator Protein (TSPO) Genetic Polymorphism A147T Is Associated with Worse Survival in Male Glioblastoma Patients. <i>Cancers</i> , 2021, 13, 4525.	1.7	4
570	PET Imaging of Neuroinflammation in Alzheimer's Disease. <i>Frontiers in Immunology</i> , 2021, 12, 739130.	2.2	58
571	Neuroinflammation and psychiatric disorders: Relevance of C1q, translocator protein (18 kDa) (TSPO), and neurosteroids. <i>World Journal of Biological Psychiatry</i> , 2022, 23, 257-263.	1.3	9
572	Uncovering microglial pathways driving sex-specific neurobiological effects in stress and depression. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 16, 100320.	1.3	10
573	TSPO deficiency accelerates amyloid pathology and neuroinflammation by impairing microglial phagocytosis. <i>Neurobiology of Aging</i> , 2021, 106, 292-303.	1.5	10
574	Can (immune and other) gene expression help us to treat depression?. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 16, 100323.	1.3	4
575	Neurosteroid-based intervention using Ganaxolone and Emapunil for improving stress-induced myelination deficits and neurobehavioural disorders. <i>Psychoneuroendocrinology</i> , 2021, 133, 105423.	1.3	6
576	Therapeutic potential of translocator protein ligands for age-related macular degeneration. <i>Neural Regeneration Research</i> , 2022, 17, 793.	1.6	2
577	Age-Associated Proteomic Signatures and Potential Clinically Actionable Targets of Colorectal Cancer. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100115.	2.5	29
578	The Protective Effect of PK-11195 on Cognitive Impairment in Rats Survived of Polymicrobial Sepsis. <i>Molecular Neurobiology</i> , 2021, 58, 2724-2733.	1.9	4
579	TSPO PET upregulation predicts epileptic phenotype at disease onset independently from chronic TSPO expression in a rat model of temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , 2021, 31, 102701.	1.4	9
580	A Workshop on Cognitive Aging and Impairment in the 9/11-Exposed Population. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 681.	1.2	10
582	Structural Studies of TSPO, a Mitochondrial Membrane Protein. , 2014, , 393-421.		6
583	Imaging of Microglial Activation in Alzheimer's Disease by [11C]PBR28 PET. <i>Methods in Molecular Biology</i> , 2018, 1750, 323-339.	0.4	7

#	ARTICLE	IF	CITATIONS
584	TSPO ligand PK11195 improves Alzheimer-related outcomes in aged female 3xTg-AD mice. <i>Neuroscience Letters</i> , 2018, 683, 7-12.	1.0	28
585	Biosynthesis and signalling functions of central and peripheral nervous system neurosteroids in health and disease. <i>Essays in Biochemistry</i> , 2020, 64, 591-606.	2.1	35
586	Pharmacological and Genetic Inhibition of Translocator Protein 18 kDa Ameliorated Neuroinflammation in Murine Endotoxemia Model. <i>Shock</i> , 2020, Publish Ahead of Print, 142-149.	1.0	10
589	Selective NLRP3 (Pyrin Domain-Containing Protein 3) Inflammasome Inhibitor Reduces Brain Injury After Intracerebral Hemorrhage. <i>Stroke</i> , 2018, 49, 184-192.	1.0	176
590	Quantification of [11C]PBR28 data after systemic lipopolysaccharide challenge. <i>EJNMMI Research</i> , 2020, 10, 19.	1.1	11
591	Mitochondrial dysfunction in diabetic neuropathy may be involved in the development of neuropathic pain via a reduction in neurosteroid synthesis. <i>F1000Research</i> , 2017, 6, 506.	0.8	4
592	Mitochondrial dysfunction in an animal model of diabetic neuropathy is associated with a reduction of neurosteroid synthesis. <i>F1000Research</i> , 2017, 6, 506.	0.8	2
593	TSPO, a Mitochondrial Outer Membrane Protein, Controls Ethanol-Related Behaviors in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2015, 11, e1005366.	1.5	17
594	Development of PET Imaging to Visualize Activated Macrophages Accumulated in the Transplanted iPSc-Derived Cardiac Myocytes of Allogeneic Origin for Detecting the Immune Rejection of Allogeneic Cell Transplants in Mice. <i>PLoS ONE</i> , 2016, 11, e0165748.	1.1	19
595	Global Deletion of TSPO Does Not Affect the Viability and Gene Expression Profile. <i>PLoS ONE</i> , 2016, 11, e0167307.	1.1	32
596	The peroxisome proliferator-activated receptor gamma (PPAR γ) agonist, rosiglitazone, ameliorates neurofunctional and neuroinflammatory abnormalities in a rat model of Gulf War Illness. <i>PLoS ONE</i> , 2020, 15, e0242427.	1.1	13
597	Long-term Potentiation at Spinal C-fiber Synapses: A Target for Pathological Pain. <i>Current Pharmaceutical Design</i> , 2014, 21, 895-905.	0.9	43
598	Structural and Functional Evolution of the Translocator Protein (18 kDa). <i>Current Molecular Medicine</i> , 2012, 12, 369-386.	0.6	88
599	A Protective Role of Translocator Protein in Alzheimer's Disease Brain. <i>Current Alzheimer Research</i> , 2020, 17, 3-15.	0.7	9
600	Oxidative Imbalance and Anxiety Disorders. <i>Current Neuropharmacology</i> , 2014, 12, 193-204.	1.4	58
601	Design, Synthesis and Anxiolytic Activity Evaluation of N-Acyltryptophanyl-Containing Dipeptides, Potential TSPO Ligands#. <i>Medicinal Chemistry</i> , 2019, 15, 383-399.	0.7	9
602	In Vitro and In Vivo Neuroprotective Effects of Etifoxine in β -Amyloidinduced Toxicity Models. <i>CNS and Neurological Disorders - Drug Targets</i> , 2020, 19, 227-240.	0.8	5
603	Etifoxine for Pain Patients with Anxiety. <i>Korean Journal of Pain</i> , 2015, 28, 4-10.	0.8	34

#	ARTICLE	IF	CITATIONS
604	Allopregnanolone, the Neuromodulator Turned Therapeutic Agent: Thank You, Next?. <i>Frontiers in Endocrinology</i> , 2020, 11, 236.	1.5	29
605	Mitochondrial TSPO Deficiency Triggers Retrograde Signaling in MA-10 Mouse Tumor Leydig Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 252.	1.8	8
606	Inhibition of Neuropathic Pain by a Single Intraperitoneal Injection of Diazepam in the Rat: Possible Role of Neurosteroids. <i>Chinese Journal of Physiology</i> , 2016, 59, 9-20.	0.4	7
607	Mitochondrial translocator protein (TSPO), astrocytes and neuroinflammation. <i>Neural Regeneration Research</i> , 2016, 11, 1056.	1.6	24
608	Neurosteroids and Oxysterols as Potential Therapeutic Agents for Glaucoma and Alzheimer's Disease. <i>Neuropsychiatry</i> , 2018, 08, 344-359.	0.4	15
609	Activated Microglia in the Brain: Mitochondrial and Cell Membrane-Associated Targets for Positron Emission Tomography. <i>World Journal of Neuroscience</i> , 2018, 08, 50-81.	0.1	3
610	Mitochondrial function and regulation of macrophage sterol metabolism and inflammatory responses. <i>World Journal of Cardiology</i> , 2015, 7, 277.	0.5	20
611	Mitochondrial dysfunction and Alzheimer's disease: prospects for therapeutic intervention. <i>BMB Reports</i> , 2020, 53, 47-55.	1.1	17
612	Polymeric Nanoparticles for Mitochondria Targeting Mediated Robust Cancer Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 755727.	2.0	12
613	Parkinson Disease: Translating Insights from Molecular Mechanisms to Neuroprotection. <i>Pharmacological Reviews</i> , 2021, 73, 1204-1268.	7.1	11
614	Translocator Protein Regulate Polarization Phenotype Transformation of Microglia after Cerebral Ischemia-reperfusion Injury. <i>Neuroscience</i> , 2022, 480, 203-216.	1.1	4
615	Midazolam Exposure Impedes Oligodendrocyte Development via the Translocator Protein and Impairs Myelination in Larval Zebrafish. <i>Molecular Neurobiology</i> , 2022, 59, 93-106.	1.9	2
616	TSPO PET Imaging as a Biomarker of Neuroinflammation in Neurodegenerative Disorders. <i>Neuromethods</i> , 2022, , 407-427.	0.2	2
617	Association of the tissue microstructural diffusivity and translocator protein PET in Gulf War Illness. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 18, 100364.	1.3	2
618	Steroide. , 2012, , 211-218.		0
619	Neuroimaging and Clinical Studies on Brain-Immune Interactions. , 2013, , 95-132.		0
620	The Novel Dipeptide Translocator Protein Ligand, Referred to As GD-23, Exerts Anxiolytic and Nootropic Activities. <i>Acta Naturae</i> , 2015, 7, 108-112.	1.7	2
621	Cryogels for Neural Tissue Engineering. , 2016, , 255-280.		0

#	ARTICLE	IF	CITATIONS
623	Neuroactive Steroids and Related Steroids in Autism Spectrum Disorders. <i>Neuropsychiatry</i> , 2018, 08, .	0.4	0
625	Imaging Tuberculosis and AIDS Associated Infections. , 2020, , 237-257.		0
626	Increased Behavioral Deficits and Inflammation in a Mouse Model of Co-Morbid Traumatic Brain Injury and Post-Traumatic Stress Disorder. <i>ASN Neuro</i> , 2020, 12, 175909142097956.	1.5	6
627	Deletion of TSPO Causes Dysregulation of Cholesterol Metabolism in Mouse Retina. <i>Cells</i> , 2021, 10, 3066.	1.8	10
628	Neuroinflammation: From Target Selection to Preclinical and Clinical Studies. , 2021, , 567-592.		1
629	Pathways to neurodegeneration: mechanistic insights from GWAS in Alzheimer's disease, Parkinson's disease, and related disorders. <i>American Journal of Neurodegenerative Disease</i> , 2013, 2, 145-75.	0.1	116
630	The Novel Dipeptide Translocator Protein Ligand, Referred to As GD-23, Exerts Anxiolytic and Nootropic Activities. <i>Acta Naturae</i> , 2015, 7, 108-12.	1.7	1
631	Lack of adrenal TSPO/PBR expression in hamsters reinforces correlation to triglyceride metabolism. <i>Journal of Endocrinology</i> , 2020, 247, 1-10.	1.2	1
632	The novel dual-mechanism Kv7 potassium channel/TSPO receptor activator GRT-X is more effective than the Kv7 channel opener retigabine in the 6-Hz refractory seizure mouse model. <i>Neuropharmacology</i> , 2022, 203, 108884.	2.0	7
633	An automated radiosynthesis of [18F]DPA-714 on a commercially available radiosynthesizer, Elixys Flex/Chem. <i>Applied Radiation and Isotopes</i> , 2022, 180, 110032.	0.7	3
634	Imaging neuroinflammation with TSPO: A new perspective on the cellular sources and subcellular localization. , 2022, 234, 108048.		42
635	Overview of positron emission tomography in functional imaging of the lungs for diffuse lung diseases. <i>British Journal of Radiology</i> , 2022, 95, 20210824.	1.0	3
636	Dopamine and Neuroinflammation in Schizophrenia – Interpreting the Findings from Translocator Protein (18kDa) PET Imaging. <i>Neuropsychiatric Disease and Treatment</i> , 2021, Volume 17, 3345-3357.	1.0	2
638	Translocator Protein Ligand PIGA1138 Reduces Disease Symptoms and Severity in Experimental Autoimmune Encephalomyelitis Model of Primary Progressive Multiple Sclerosis. <i>Molecular Neurobiology</i> , 2022, 59, 1744-1765.	1.9	3
639	Function, regulation, and pharmacological effects of pregnenolone in the central nervous system. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2022, 22, 100310.	0.6	3
640	Lack of adrenal TSPO/PBR expression in hamsters reinforces correlation to triglyceride metabolism. <i>Journal of Endocrinology</i> , 2020, 247, 1-10.	1.2	8
641	A biocompatible two-photon absorbing fluorescent mitochondrial probe for deep<i>in vivo</i>bioimaging. <i>Journal of Materials Chemistry B</i> , 2022, 10, 887-898.	2.9	9
642	Characterization of neuroinflammatory positron emission tomography biomarkers in chronic traumatic encephalopathy. <i>Brain Communications</i> , 2022, 4, fcac019.	1.5	3

#	ARTICLE	IF	CITATIONS
643	Dopamine D3 receptor in the nucleus accumbens alleviates neuroinflammation in a mouse model of depressive-like behavior. <i>Brain, Behavior, and Immunity</i> , 2022, 101, 165-179.	2.0	9
644	Neuropeptidergic control of neurosteroids biosynthesis. <i>Frontiers in Neuroendocrinology</i> , 2022, 65, 100976.	2.5	8
645	ASIC-E4: Interplay of Beta-Amyloid, Synaptic Density and Neuroinflammation in Cognitively Normal Volunteers With Three Levels of Genetic Risk for Late-Onset Alzheimer's Disease " Study Protocol and Baseline Characteristics. <i>Frontiers in Neurology</i> , 2022, 13, 826423.	1.1	7
646	Multimodal Investigation of Neuroinflammation in Aviremic Patients With HIV on Antiretroviral Therapy and HIV Elite Controllers. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2022, 9, .	3.1	5
647	Hydrogen Bond-Enhanced Nanoaggregation and Antisolvatochromic Fluorescence for Protein-Recognition by Si-Coumarins. <i>Nano Letters</i> , 2022, 22, 1954-1962.	4.5	6
648	[^{99m} Tc-BBPA]: A possible SPECT agent to understand role of 18-kDa translocator protein (PBR/TSPO) during neuro-glial interaction. <i>Bioorganic Chemistry</i> , 2022, 121, 105678.	2.0	0
649	Application of Nonhuman Primate Models in the Studies of Pediatric Anesthesia Neurotoxicity. <i>Anesthesia and Analgesia</i> , 2022, 134, 1203-1214.	1.1	8
650	Differential Spatial Distribution of TSPO or Amino Acid PET Signal and MRI Contrast Enhancement in Gliomas. <i>Cancers</i> , 2022, 14, 53.	1.7	12
651	Imaging of neuroinflammation due to repetitive head injury in currently active kickboxers. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 3162-3172.	3.3	1
652	Essential Principles and Recent Progress in the Development of TSPO PET Ligands for Neuroinflammation Imaging. <i>Current Medicinal Chemistry</i> , 2022, 29, 4862-4890.	1.2	9
653	Differential effects of the translocator protein 18kDa (TSPO) ligand etifoxine and the benzodiazepine alprazolam on startle response to predictable threat in a NPU-threat task after acute and short-term treatment. <i>Psychopharmacology</i> , 2022, , 1.	1.5	0
654	TSPO Ligands Protect against Neuronal Damage Mediated by LPS-Induced BV-2 Microglia Activation. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-13.	1.9	6
655	Ebselen prevents cigarette smoke-induced cognitive dysfunction in mice by preserving hippocampal synaptophysin expression. <i>Journal of Neuroinflammation</i> , 2022, 19, 72.	3.1	6
656	Comparative Assessment of TSPO Modulators on Electroencephalogram Activity and Exploratory Behavior. <i>Frontiers in Pharmacology</i> , 2022, 13, 750554.	1.6	3
657	A novel dual mode-of-action anti-hyperalgesic compound in rats which is neuroprotective and promotes neuroregeneration. <i>European Journal of Pharmacology</i> , 2022, 923, 174935.	1.7	4
658	In vivo neuroplasticity in vestibular animal models. <i>Molecular and Cellular Neurosciences</i> , 2022, 120, 103721.	1.0	4
659	Stress induced microglial activation contributes to depression. <i>Pharmacological Research</i> , 2022, 179, 106145.	3.1	36
660	Fucoidan alleviates the mitochondria and endoplasmic reticulum stresses in ischemic rat livers. <i>Phytomedicine Plus</i> , 2022, 2, 100250.	0.9	3

#	ARTICLE	IF	CITATIONS
661	Tuberculosis: Role of Nuclear Medicine and Molecular Imaging With Potential Impact of Neutrophil-Specific Tracers. <i>Frontiers in Medicine</i> , 2021, 8, 758636.	1.2	2
662	Long-term diazepam treatment enhances microglial spine engulfment and impairs cognitive performance via the mitochondrial 18 kDa translocator protein (TSPO). <i>Nature Neuroscience</i> , 2022, 25, 317-329.	7.1	29
663	The 18-kDa Translocator Protein PET Tracers as a Diagnostic Marker for Neuroinflammation: Development and Current Standing. <i>ACS Omega</i> , 2022, 7, 14412-14429.	1.6	16
664	Translocator protein (18kDa) TSPO: a new diagnostic or therapeutic target for stress-related disorders?. <i>Molecular Psychiatry</i> , 2022, 27, 2918-2926.	4.1	21
673	Beyond monoamines: I. Novel targets and radiotracers for Positron emission tomography imaging in psychiatric disorders. <i>Journal of Neurochemistry</i> , 2023, 164, 364-400.	2.1	7
674	Differential mitochondrial protein interaction profile between human translocator protein and its A147T polymorphism variant. <i>PLoS ONE</i> , 2022, 17, e0254296.	1.1	1
675	MicroPET Imaging Assessment of Brain Tau and Amyloid Deposition in 6 Å– Tg Alzheimer's Disease Model Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5485.	1.8	2
676	Translocator Protein Ligand Etifoxine Attenuates MPTP-Induced Neurotoxicity. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, .	1.4	3
677	The neurosteroid pregnenolone is synthesized by a mitochondrial P450 enzyme other than CYP11A1 in human glial cells. <i>Journal of Biological Chemistry</i> , 2022, 298, 102110.	1.6	11
678	[¹⁸ F]BIBD-239: ¹⁸ F-Labeled ER176, a Positron Emission Tomography Tracer Specific for the Translocator Protein. <i>Molecular Pharmaceutics</i> , 2022, 19, 2351-2366.	2.3	5
679	Tailoring Materials for Epilepsy Imaging: From Biomarkers to Imaging Probes. <i>Advanced Materials</i> , 2022, 34, .	11.1	9
680	Beyond Proteolysis-Targeting Chimeric Molecules: Designing Heterobifunctional Molecules Based on Functional Effectors. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 8091-8112.	2.9	25
682	Hub Genes, Diagnostic Model, and Predicted Drugs Related to Iron Metabolism in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	13
683	Involvement of regulation of the excitation:inhibition functional balance in the mPFC in the antidepressant-anxiolytic effect of YL-IPA08, a novel TSPO ligand. <i>Metabolic Brain Disease</i> , 2022, 37, 2305-2314.	1.4	3
684	Aromatic patterns: Tryptophan aromaticity as a catalyst for the emergence of life and rise of consciousness. <i>Physics of Life Reviews</i> , 2022, 42, 93-114.	1.5	4
685	Acetamidobenzoxazolone conjugated DOTA system for assessing 18 kDa translocator protein during pulmonary inflammation. <i>Journal of Molecular Structure</i> , 2023, 1271, 134006.	1.8	1
686	Analysis of the Mechanisms of Action of a TSPO Ligand (GML-3 Compound) in a Model of Lipopolysaccharide-Induced Cell Damage. <i>Pharmaceutical Chemistry Journal</i> , 0, .	0.3	0
688	Progress report on new antiepileptic drugs: A summary of the Sixteenth Eilat Conference on New Antiepileptic Drugs and Devices (<sc>EILAT XVI</sc>): I. Drugs in preclinical and early clinical development. <i>Epilepsia</i> , 2022, 63, 2865-2882.	2.6	7

#	ARTICLE	IF	CITATIONS
689	Cerenkov luminescence imaging of interscapular brown adipose tissue using a TSPO-targeting PET probe in the UCP1 ThermoMouse. <i>Theranostics</i> , 2022, 12, 6380-6394.	4.6	3
690	Translocator Protein 18 kDa (TSPO) as a Novel Therapeutic Target for Chronic Pain. <i>Neural Plasticity</i> , 2022, 2022, 1-8.	1.0	3
692	Neuroprotective Function of Rasagiline and Selegiline, Inhibitors of Type B Monoamine Oxidase, and Role of Monoamine Oxidases in Synucleinopathies. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11059.	1.8	13
693	The Allopregnanolone Response to Acute Stress in Females: Preclinical and Clinical Studies. <i>Biomolecules</i> , 2022, 12, 1262.	1.8	3
694	Normalization of Neuroinflammation: A New Strategy for Treatment of Persistent Pain and Memory/Emotional Deficits in Chronic Pain. <i>Journal of Inflammation Research</i> , 0, Volume 15, 5201-5233.	1.6	8
695	Testosterone recovery therapy targeting dysfunctional Leydig cells. <i>Andrology</i> , 2023, 11, 816-825.	1.9	4
696	Cognition-enhancing effect of YL-IPA08, a potent ligand for the translocator protein (18 kDa) in the 5 α -FAD transgenic mouse model of Alzheimer's pathology. <i>Journal of Psychopharmacology</i> , 2022, 36, 1176-1187.	3.6	1
697	Emerging degrader technologies engaging lysosomal pathways. <i>Chemical Society Reviews</i> , 2022, 51, 8832-8876.	18.7	35
698	Targeting TSPO Reduces Inflammation and Apoptosis in an In Vitro Photoreceptor-Like Model of Retinal Degeneration. <i>ACS Chemical Neuroscience</i> , 2022, 13, 3188-3197.	1.7	11
699	Mitochondria and sensory processing in inflammatory and neuropathic pain. <i>Frontiers in Pain Research</i> , 0, 3, .	0.9	9
700	Potential mechanisms underlying the accelerated cognitive decline in people with chronic low back pain: A scoping review. <i>Ageing Research Reviews</i> , 2022, 82, 101767.	5.0	7
701	Metformin confers longitudinal cardiac protection by preserving mitochondrial homeostasis following myocardial ischemia/reperfusion injury. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2023, 50, 825-838.	3.3	5
702	A bibliometric analysis of the recent advances in diazepam from 2012 to 2021. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	1
703	Assessing organ-level immunoreactivity in a rat model of sepsis using TSPO PET imaging. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	0
704	Mitochondrial dynamics, Leydig cell function, and age-related testosterone deficiency. <i>FASEB Journal</i> , 2022, 36, .	0.2	10
705	Brain PET Imaging. <i>PET Clinics</i> , 2023, 18, 103-113.	1.5	0
706	Identification and Prioritization of PET Neuroimaging Targets for Microglial Phenotypes Associated with Microglial Activity in Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2022, 13, 3641-3660.	1.7	3
707	Dipeptide Ligands of TSPO. <i>Pharmaceutical Chemistry Journal</i> , 2022, 56, 1169-1178.	0.3	0

#	ARTICLE	IF	CITATIONS
708	Assessing the potential anti-neuroinflammatory effect of minocycline in chronic low back pain: Protocol for a randomized, double-blind, placebo-controlled trial. <i>Contemporary Clinical Trials</i> , 2023, 126, 107087.	0.8	2
709	Neurosteroids and translocator protein 18 kDa (TSPO) in depression: implications for synaptic plasticity, cognition, and treatment options. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 0, , .	1.8	4
710	Comparison of 18 kDa protein (TSPO) during pulmonary inflammation with comparative analysis of PIC and EDTA coupled Acetamidobenzoxazolone vehicle. <i>New Journal of Chemistry</i> , 0, , .	1.4	0
711	Mitochondrial control of microglial phagocytosis by the translocator protein and hexokinase 2 in Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	22
712	A feasibility study for quantitative assessment of cerebrovascular malformations using flutriciclamide ([¹⁸ F]GE-180) PET/MRI. <i>Frontiers in Medicine</i> , 0, 10, .	1.2	2
714	Translational molecular imaging and drug development in Parkinson's disease. <i>Molecular Neurodegeneration</i> , 2023, 18, .	4.4	11
715	Evaluation and Comparison of the Effects of Mature Silkworm (<i>Bombyx mori</i>) and Silkworm Pupae Extracts on Schwann Cell Proliferation and Axon Growth: An In Vitro Study. <i>Iranian Journal of Pharmaceutical Research</i> , 2023, 21, .	0.3	1
718	Central markers of neuroinflammation in alcohol use disorder: A meta-analysis of neuroimaging, cerebral spinal fluid, and postmortem studies. <i>Alcoholism: Clinical and Experimental Research</i> , 2023, 47, 197-208.	1.4	2
719	Novel Radiotracers for Molecular Imaging of Myocardial Inflammation: an Update Focused on Clinical Translation of Non- ¹⁸ F-FDG Radiotracers. <i>Current Cardiovascular Imaging Reports</i> , 2023, 16, 1-9.	0.4	1
721	Impact of Translocator Protein 18 kDa (TSPO) Deficiency on Mitochondrial Function and the Inflammatory State of Human C20 Microglia Cells. <i>Cells</i> , 2023, 12, 954.	1.8	1
722	Early Life Stress, Neuroinflammation, and Psychiatric Illness of Adulthood. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 105-134.	0.8	2
723	Suicide and Inflammation. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 379-404.	0.8	5
724	Sex and the Estrous-Cycle Phase Influence the Expression of G Protein-Coupled Estrogen Receptor 1 (GPER) in Schizophrenia: Translational Evidence for a New Target. <i>Molecular Neurobiology</i> , 2023, 60, 3650-3663.	1.9	3
725	A Systematic Review on Dementia and Translocator Protein (TSPO): When Nuclear Medicine Highlights an Underlying Expression. <i>Biomolecules</i> , 2023, 13, 598.	1.8	0
726	Mitochondrial TSPO Promotes Hepatocellular Carcinoma Progression through Ferroptosis Inhibition and Immune Evasion. <i>Advanced Science</i> , 2023, 10, .	5.6	18
727	A PET-CT study on neuroinflammation in Huntington's disease patients participating in a randomized trial with laquinimod. <i>Brain Communications</i> , 2023, 5, .	1.5	3
728	Pharmacological modulation of TSPO in microglia/macrophages and neurons in a chronic neurodegenerative model of prion disease. <i>Journal of Neuroinflammation</i> , 2023, 20, .	3.1	2
729	Anti-neuroinflammation effects of transcutaneous auricular vagus nerve stimulation against depression-like behaviors via hypothalamic α 7nAChR/JAK2/STAT3/NF- κ B pathway in rats exposed to chronic unpredictable mild stress. <i>CNS Neuroscience and Therapeutics</i> , 2023, 29, 2634-2644.	1.9	4

#	ARTICLE	IF	CITATIONS
730	Synthesis, In Silico and In Vitro Characterization of Novel N,N-Substituted Pyrazolopyrimidine Acetamide Derivatives for the 18KDa Translocator Protein (TSPO). <i>Pharmaceuticals</i> , 2023, 16, 576.	1.7	0
731	Imaging Brown Adipose Tissue with TSPO PET Tracers in Preclinical Animal Studies. <i>Methods in Molecular Biology</i> , 2023, , 147-156.	0.4	1
732	A role of neurosteroids in the pathogenesis of psychiatric disorders. <i>Zhurnal Nevrologii I Psikhatrii Imeni S S Korsakova</i> , 2023, 123, 31.	0.1	1
745	Advances in the neuroimaging of motor disorders. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2023, , 359-381.	1.0	0
746	Preclinical and clinical pharmacology of brexanolone (allopregnanolone) for postpartum depression: a landmark journey from concept to clinic in neurosteroid replacement therapy. <i>Psychopharmacology</i> , 2023, 240, 1841-1863.	1.5	5
747	Microglia in neurodegenerative diseases: mechanism and potential therapeutic targets. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	23
749	In Vitro Methodologies for the Safety Assessment of Drugs. , 2023, , 79-112.		0
751	Brain-Immune Mechanisms in Alcohol Use Disorder Targeting Neuroimmune Signaling in Alcohol Use Disorder: Opportunities for Translation. , 2023, , 551-573.		0
759	The development status of PET radiotracers for evaluating neuroinflammation. <i>Nuclear Medicine and Molecular Imaging</i> , 0, , .	0.6	0
761	Neuroinflammation in Alzheimer's disease. , 2024, , 13-32.		0