

CITATION REPORT

List of articles citing

Translocator protein (18kDa): new nomenclature for the peripheral-type benzodiazepine receptor based on its structure and molecular function

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| # | Paper | IF | Citations |
|------|--|-----|-----------|
| 1168 | The peripheral benzodiazepine receptor (Translocator protein 18kDa) in microglia: from pathology to imaging. 2006 , 80, 308-22 | | 307 |
| 1167 | Peripheral-type benzodiazepine receptor (PBR) in association with stress and brain aging. 2006 , 6, 147-149 | | |
| 1166 | Protein-protein interactions mediate mitochondrial cholesterol transport and steroid biosynthesis. 2006 , 281, 38879-93 | | 178 |
| 1165 | Microglial activation in perinatal rabbit brain induced by intrauterine inflammation: detection with ¹¹ C-(R)-PK11195 and small-animal PET. <i>Journal of Nuclear Medicine</i> , 2007 , 48, 946-54 | 8.9 | 75 |
| 1164 | Channel-like functions of the 18-kDa translocator protein (TSPO): regulation of apoptosis and steroidogenesis as part of the host-defense response. 2007 , 13, 2385-405 | | 209 |
| 1163 | Radiation dosimetry and biodistribution in monkey and man of ¹¹ C-PBR28: a PET radioligand to image inflammation. <i>Journal of Nuclear Medicine</i> , 2007 , 48, 2072-9 | 8.9 | 119 |
| 1162 | ¹¹ C-AC-5216: a novel PET ligand for peripheral benzodiazepine receptors in the primate brain. <i>Journal of Nuclear Medicine</i> , 2007 , 48, 1853-61 | 8.9 | 65 |
| 1161 | Increased translocator protein (TSPO) mRNA levels in colon but not in rectum carcinoma. 2007 , 39, 359-63 | | 7 |
| 1160 | Identification and characterization of cholest-4-en-3-one, oxime (TRO19622), a novel drug candidate for amyotrophic lateral sclerosis. 2007 , 322, 709-20 | | 209 |
| 1159 | The potential anticancer agent PK11195 induces apoptosis irrespective of p53 and ATM status in chronic lymphocytic leukemia cells. 2007 , 92, 1631-8 | | 23 |
| 1158 | Intracellular cholesterol changes induced by translocator protein (18 kDa) TSPO/PBR ligands. 2007 , 53, 318-29 | | 27 |
| 1157 | New fluorescent 2-phenylindolglyoxylamide derivatives as probes targeting the peripheral-type benzodiazepine receptor: design, synthesis, and biological evaluation. 2007 , 50, 404-7 | | 40 |
| 1156 | Novel perspectives for progesterone in hormone replacement therapy, with special reference to the nervous system. 2007 , 28, 387-439 | | 138 |
| 1155 | Vitamin E analogues as a novel group of mitocans: anti-cancer agents that act by targeting mitochondria. 2007 , 28, 607-45 | | 87 |
| 1154 | Adrenal cholesterol utilization. 2007 , 265-266, 42-5 | | 116 |
| 1153 | Is there a mitochondrial signaling complex facilitating cholesterol import?. 2007 , 265-266, 59-64 | | 92 |
| 1152 | Enzymes involved in arachidonic acid release in adrenal and Leydig cells. 2007 , 265-266, 113-20 | | 22 |

| | | |
|------|--|-----|
| 1151 | A novel conjugable translocator protein ligand labeled with a fluorescence dye for in vitro imaging. 2007 , 18, 1118-22 | 15 |
| 1150 | N-(5-Fluoro-2-phenoxyphenyl)-N-(2-[(131)I]iodo-5-methoxybenzyl)acetamide: a potent iodinated radioligand for the peripheral-type benzodiazepine receptor in brain. 2007 , 50, 848-55 | 19 |
| 1149 | N-benzyl-2-(6,8-dichloro-2-(4-chlorophenyl)imidazo[1,2-a]pyridin-3-yl)-N-(6-(7-nitrobenzo[c][1,2,5]oxadiazol-4-ylamino)heptan-2-yl)acetamide as a new fluorescent probe for peripheral benzodiazepine receptor and microglial cell visualization. 2007 , 18, 1397-407 | 34 |
| 1148 | Synthesis and characterization of a platinum(II) complex tethered to a ligand of the peripheral benzodiazepine receptor. 2007 , 50, 1019-27 | 40 |
| 1147 | The role of Ets transcription factors in the basal transcription of the translocator protein (18 kDa). 2007 , 46, 4763-74 | 18 |
| 1146 | A novel functional translocator protein ligand for cancer imaging. 2007 , 18, 2018-23 | 20 |
| 1145 | Influence of warm ischemia time on peripheral-type benzodiazepine receptor: a new aspect of the role of mitochondria. 2007 , 107, e1-11 | 6 |
| 1144 | In search of neuroprotective therapies based on the mechanisms of estrogens. 2007 , 2, 387-397 | 2 |
| 1143 | Reprogramming of genetic networks during initiation of the Fetal Alcohol Syndrome. 2007 , 236, 613-31 | 105 |
| 1142 | Translocator protein 18 kDa is involved in the regulation of reactive gliosis. 2007 , 55, 1426-36 | 52 |
| 1141 | In vivo imaging of brain lesions with [(11C)CLINME, a new PET radioligand of peripheral benzodiazepine receptors. 2007 , 55, 1459-68 | 52 |
| 1140 | Downregulation of the 18-kDa translocator protein: effects on the ammonia-induced mitochondrial permeability transition and cell swelling in cultured astrocytes. 2007 , 55, 1720-7 | 34 |
| 1139 | Radiosynthesis of 2-[6-chloro-2-(4-iodophenyl)imidazo[1,2-a]pyridin-3-yl]-N-ethyl-N-[11C]methyl-acetamide, [(11C)CLINME, a novel radioligand for imaging the peripheral benzodiazepine receptors with PET. 2007 , 50, 229-236 | 18 |
| 1138 | Positron emission tomography imaging of neuroinflammation. 2007 , 4, 443-52 | 112 |
| 1137 | Imaging brain inflammation with [(11C)PK11195 by PET and induction of the peripheral-type benzodiazepine receptor after transient focal ischemia in rats. 2007 , 27, 1975-86 | 130 |
| 1136 | A mitochondrial protein homologous to the mammalian peripheral-type benzodiazepine receptor is essential for stress adaptation in plants. 2007 , 51, 1004-18 | 52 |
| 1135 | Neurosteroid modulation of synaptic and extrasynaptic GABA(A) receptors. 2007 , 116, 20-34 | 166 |
| 1134 | Progesterone: therapeutic opportunities for neuroprotection and myelin repair. 2007 , 116, 77-106 | 198 |

| | | | |
|------|---|------|-----|
| 1133 | Translocator protein (18 kDa) ligand PK 11195 induces transient mitochondrial Ca ²⁺ release leading to transepithelial Cl ⁻ secretion in HT-29 human colon cancer cells. 2007 , 99, 639-47 | 22 | |
| 1132 | Testosterone derivatives are neuroprotective agents in experimental diabetic neuropathy. 2007 , 64, 1158-68 | 52 | |
| 1131 | The lack of expression of the peripheral benzodiazepine receptor characterises microglial response in anaplastic astrocytomas. 2007 , 85, 95-103 | 23 | |
| 1130 | ATP, calcium and magnesium levels in platelets of patients with primary fibromyalgia. 2008 , 41, 1084-90 | 28 | |
| 1129 | VDAC activation by the 18 kDa translocator protein (TSPO), implications for apoptosis. 2008 , 40, 199-205 | 137 | |
| 1128 | Neuroactive steroids: state of the art and new perspectives. 2008 , 65, 777-97 | 185 | |
| 1127 | Investigation of the anticonvulsive effect of acute immobilization stress in anxious Balb/cByJ mice using GABA A-related mechanistic probes. 2008 , 197, 523-34 | 11 | |
| 1126 | Evaluation of CLINDE as potent translocator protein (18 kDa) SPECT radiotracer reflecting the degree of neuroinflammation in a rat model of microglial activation. 2008 , 35, 2203-11 | 43 | |
| 1125 | Nuclear imaging of neuroinflammation: a comprehensive review of [11C]PK11195 challengers. 2008 , 35, 2304-19 | 324 | |
| 1124 | Identification, characterization and potent antitumor activity of ECO-4601, a novel peripheral benzodiazepine receptor ligand. 2008 , 61, 911-21 | 40 | |
| 1123 | Control of peripheral benzodiazepine receptor-mediated breast cancer in rats by soy protein. 2008 , 47, 310-9 | 4 | |
| 1122 | Optimized palladium-based approaches to analogues of PK 11195. 2008 , 45, 1377-1384 | 9 | |
| 1121 | Radiosynthesis of [18F]DPA-714, a selective radioligand for imaging the translocator protein (18 kDa) with PET. 2008 , 51, 286-292 | 68 | |
| 1120 | Radiosynthesis of [18F]PBR111, a selective radioligand for imaging the translocator protein (18 kDa) with PET. 2008 , 51, 435-439 | 17 | |
| 1119 | PK 11195 differentially affects cell survival in human wild-type and 18 kDa translocator protein-silenced ADF astrocytoma cells. 2008 , 105, 712-23 | 31 | |
| 1118 | Membrane lipids: where they are and how they behave. 2008 , 9, 112-24 | 4308 | |
| 1117 | VMAT2 and dopamine neuron loss in a primate model of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2008 , 105, 78-90 | 6 | 100 |
| 1116 | Ro5-4864 promotes neonatal motor neuron survival and nerve regeneration in adult rats. 2008 , 27, 937-46 | 36 | |

| | | |
|------|--|-----|
| 1115 | Indomethacin improves locomotor deficit and reduces brain concentrations of neuroinhibitory steroids in rats following portacaval anastomosis. 2008 , 20, 949-57 | 35 |
| 1114 | The effect of oxygenation level on cerebral post-traumatic apoptotsis is modulated by the 18-kDa translocator protein (also known as peripheral-type benzodiazepine receptor) in a rat model of cortical contusion. 2008 , 34, 412-23 | 19 |
| 1113 | Modulation of intracellular Ca ²⁺ signalling in HeLa cells by the apoptotic cell death enhancer PK11195. 2008 , 76, 1628-36 | 20 |
| 1112 | Neuroactive steroids and peripheral neuropathy. 2008 , 57, 460-9 | 69 |
| 1111 | Approaches to mitochondrially mediated cancer therapy. 2008 , 18, 226-35 | 56 |
| 1110 | Involvement of neurosteroids in the anxiolytic-like effects of AC-5216 in mice. 2008 , 89, 171-8 | 58 |
| 1109 | Translocator protein 18 kDa (TSPO): molecular sensor of brain injury and repair. 2008 , 118, 1-17 | 377 |
| 1108 | Lipid assembly into cell membranes. 2008 , 441-484 | 6 |
| 1107 | Effect of translocator protein (18 kDa)-ligand binding on neurotransmitter-induced salivary secretion in rat submandibular glands. 2008 , 100, 427-39 | 6 |
| 1106 | Anxiolytic-like effects of N,N-dialkyl-2-phenylindol-3-ylglyoxylamides by modulation of translocator protein promoting neurosteroid biosynthesis. 2008 , 51, 5798-806 | 70 |
| 1105 | The neurosteroid system: implication in the pathophysiology of hepatic encephalopathy. 2008 , 52, 575-87 | 57 |
| 1104 | Evaluation of neuroactive steroid levels by liquid chromatography-tandem mass spectrometry in central and peripheral nervous system: effect of diabetes. 2008 , 52, 560-8 | 81 |
| 1103 | Effects of Vinpocetine on mitochondrial function and neuroprotection in primary cortical neurons. 2008 , 53, 289-95 | 24 |
| 1102 | Radiosynthesis and initial evaluation of [18F]-FEPPA for PET imaging of peripheral benzodiazepine receptors. 2008 , 35, 305-14 | 160 |
| 1101 | 2-Phenyl-imidazo[1,2-a]pyridine compounds containing hydrophilic groups as potent and selective ligands for peripheral benzodiazepine receptors: synthesis, binding affinity and electrophysiological studies. 2008 , 51, 6876-88 | 86 |
| 1100 | Synthesis and evaluation in monkey of two sensitive ¹¹ C-labeled aryloxyanilide ligands for imaging brain peripheral benzodiazepine receptors in vivo. 2008 , 51, 17-30 | 160 |
| 1099 | Steroidogenesis in BeWo cells: role of protein kinase A and benzodiazepines. 2008 , 40, 901-8 | 15 |
| 1098 | Characterization of three human sec14p-like proteins: alpha-tocopherol transport activity and expression pattern in tissues. 2008 , 90, 1703-15 | 38 |

| | | | |
|------|---|-----|-----|
| 1097 | TSPO over-expression increases motility, transmigration and proliferation properties of C6 rat glioma cells. 2008 , 1782, 118-25 | | 32 |
| 1096 | Secondary and tertiary structures of the transmembrane domains of the translocator protein TSPO determined by NMR. Stabilization of the TSPO tertiary fold upon ligand binding. 2008 , 1778, 1375-81 | | 65 |
| 1095 | Brain and whole-body imaging in nonhuman primates of [11C]PBR28, a promising PET radioligand for peripheral benzodiazepine receptors. 2008 , 39, 1289-98 | | 113 |
| 1094 | The influence of clozapine treatment and other antipsychotics on the 18 kDa translocator protein, formerly named the peripheral-type benzodiazepine receptor, and steroid production. 2008 , 18, 24-33 | | 26 |
| 1093 | Platelet 18 kDa Translocator Protein density is reduced in depressed patients with adult separation anxiety. 2008 , 18, 249-54 | | 35 |
| 1092 | Etifoxine, neurosteroids et anxiété 2008 , 34, S35-S43 | | |
| 1091 | Phorbol-12-myristate 13-acetate acting through protein kinase Cepsilon induces translocator protein (18-kDa) TSPO gene expression. 2008 , 47, 12886-99 | | 26 |
| 1090 | Synthesis and biological characterization of novel 2-quinolinecarboxamide ligands of the peripheral benzodiazepine receptors bearing technetium-99m or rhenium. 2008 , 19, 1143-53 | | 16 |
| 1089 | Identification of the transition states in the inversion of 1,4-benzodiazepines with the ab initio replica path method. 2008 , 112, 1604-11 | | 7 |
| 1088 | In utero exposure to di-(2-ethylhexyl) phthalate exerts both short-term and long-lasting suppressive effects on testosterone production in the rat. 2008 , 78, 1018-28 | | 118 |
| 1087 | Oxidative stress-induced inhibition of adrenal steroidogenesis requires participation of p38 mitogen-activated protein kinase signaling pathway. 2008 , 198, 193-207 | | 44 |
| 1086 | DPA-714, a new translocator protein-specific ligand: synthesis, radiofluorination, and pharmacologic characterization. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 814-22 | 8.9 | 207 |
| 1085 | Peripheral benzodiazepine receptor (PBR) new insight in cell proliferation and cell differentiation review. 2008 , 3, 38-45 | | 30 |
| 1084 | PET imaging of the peripheral benzodiazepine receptor: monitoring disease progression and therapy response in neurodegenerative disorders. 2008 , 14, 3297-315 | | 88 |
| 1083 | Regional differences in the decay kinetics of GABA(A) receptor-mediated miniature IPSCs in the dorsal horn of the rat spinal cord are determined by mitochondrial transport of cholesterol. 2008 , 28, 3427-37 | | 25 |
| 1082 | Etifoxine improves peripheral nerve regeneration and functional recovery. 2008 , 105, 20505-10 | | 109 |
| 1081 | Neuroactive Steroids in Brain Function, Behavior and Neuropsychiatric Disorders. 2008 , | | 1 |
| 1080 | Soluble epoxide hydrolase and epoxyeicosatrienoic acids modulate two distinct analgesic pathways. 2008 , 105, 18901-6 | | 139 |

| | | | |
|------|--|-----|-----|
| 1079 | Na-K-Cl Cotransporter-1 in the mechanism of ammonia-induced astrocyte swelling. 2008 , 283, 33874-82 | | 94 |
| 1078 | Manifestation of psychiatric behaviors in a mouse model of griseofulvin-induced hepatic porphyria. 2008 , 33, 599-608 | | 5 |
| 1077 | The 18-kDa translocator protein, formerly known as the peripheral-type benzodiazepine receptor, confers proapoptotic and antineoplastic effects in a human colorectal cancer cell line. 2008 , 18, 977-88 | | 36 |
| 1076 | A mitochondrial kinase complex is essential to mediate an ERK1/2-dependent phosphorylation of a key regulatory protein in steroid biosynthesis. <i>PLoS ONE</i> , 2008 , 3, e1443 | 3-7 | 92 |
| 1075 | In Vitro Evidence for Competitive TSPO Binding of the Imaging Biomarker Candidates Vinpocetine and Two Iodinated DAA1106 Analogues in Post Mortem Autoradiography Experiments on Whole Hemisphere Human Brain Slices. 2009 , 2, 42-48 | | 3 |
| 1074 | Neurosteroids. 2009 , 1015-1020 | | |
| 1073 | Leydig cell development and function. 29-47 | | |
| 1072 | Identification of a benzamide derivative that inhibits stress-induced adrenal corticosteroid synthesis. <i>Molecules</i> , 2009 , 14, 3392-410 | 4.8 | 1 |
| 1071 | Bacterial ortholog of mammalian translocator protein (TSPO) with virulence regulating activity. <i>PLoS ONE</i> , 2009 , 4, e6096 | 3-7 | 13 |
| 1070 | Chemical biology investigation of cell death pathways activated by endoplasmic reticulum stress reveals cytoprotective modulators of ASK1. 2009 , 284, 1593-603 | | 97 |
| 1069 | Translocator protein (18 kDa) is involved in primitive erythropoiesis in zebrafish. 2009 , 23, 4181-92 | | 23 |
| 1068 | A systems approach to prion disease. 2009 , 5, 252 | | 195 |
| 1067 | Initial evaluation of ¹¹ C-DPA-713, a novel TSPO PET ligand, in humans. <i>Journal of Nuclear Medicine</i> , 2009 , 50, 1276-82 | 8.9 | 101 |
| 1066 | ABA, porphyrins and plant TSPO-related protein. 2009 , 4, 1087-90 | | 20 |
| 1065 | Inhibition of mitochondrial membrane permeability as a putative pharmacological target for cardioprotection. 2009 , 16, 4382-98 | | 49 |
| 1064 | Translocator protein ligands as promising therapeutic tools for anxiety disorders. 2009 , 16, 3359-80 | | 35 |
| 1063 | The spontaneous Ala147Thr amino acid substitution within the translocator protein influences pregnenolone production in lymphomonocytes of healthy individuals. 2009 , 150, 5438-45 | | 65 |
| 1062 | Radiolabelled molecules for imaging the translocator protein (18 kDa) using positron emission tomography. 2009 , 16, 2899-923 | | 119 |

| | | | |
|------|---|-----|-----|
| 1061 | Recent advances in medicinal chemistry and pharmaceutical technology--strategies for drug delivery to the brain. 2009 , 9, 182-96 | | 82 |
| 1060 | Gram-negative bacterial sensors for eukaryotic signal molecules. 2009 , 9, 6967-90 | | 42 |
| 1059 | 2-18F-fluoroacetate: a useful tool for assessing gliosis in the central nervous system?. <i>Journal of Nuclear Medicine</i> , 2009 , 50, 841-3 | 8.9 | 3 |
| 1058 | Translocator protein 2 is involved in cholesterol redistribution during erythropoiesis. 2009 , 284, 30484-97 | | 60 |
| 1057 | Positron emission tomography imaging of neuroinflammation. 2009 , 24, 1190-9 | | 28 |
| 1056 | Monitoring disease evolution and treatment response in lysosomal disorders by the peripheral benzodiazepine receptor ligand PK11195. 2009 , 34, 51-62 | | 11 |
| 1055 | Reduction and prevention of vincristine-induced neuropathic pain symptoms by the non-benzodiazepine anxiolytic etifoxine are mediated by 3 α -reduced neurosteroids. 2009 , 147, 54-9 | | 38 |
| 1054 | Olesoxime (cholest-4-en-3-one, oxime): analgesic and neuroprotective effects in a rat model of painful peripheral neuropathy produced by the chemotherapeutic agent, paclitaxel. 2009 , 147, 202-9 | | 61 |
| 1053 | Etifoxine (Stresam) for chemotherapy-induced pain?. 2009 , 147, 9-10 | | 3 |
| 1052 | Neurosteroids: endogenous allosteric modulators of GABA(A) receptors. 2009 , 34 Suppl 1, S48-58 | | 124 |
| 1051 | Peripheral benzodiazepine receptor ligand-PLGA polymer conjugates potentially useful as delivery systems of apoptotic agents. 2009 , 137, 185-95 | | 23 |
| 1050 | Neurosteroid biosynthesis: enzymatic pathways and neuroendocrine regulation by neurotransmitters and neuropeptides. 2009 , 30, 259-301 | | 281 |
| 1049 | Novel channels of the inner mitochondrial membrane. 2009 , 1787, 351-63 | | 53 |
| 1048 | SR/ER-mitochondrial local communication: calcium and ROS. 2009 , 1787, 1352-62 | | 217 |
| 1047 | Spinal translocator protein (TSPO) modulates pain behavior in rats with CFA-induced monoarthritis. 2009 , 1286, 42-52 | | 32 |
| 1046 | PBRL, a putative peripheral benzodiazepine receptor, in primitive erythropoiesis. 2009 , 9, 114-21 | | 14 |
| 1045 | Distribution, pharmacological characterization and function of the 18 kDa translocator protein in rat small intestine. 2009 , 101, 573-86 | | 16 |
| 1044 | A virtual screening study of the 18 kDa translocator protein using pharmacophore models combined with 3D-QSAR studies. 2009 , 4, 1686-94 | | 6 |

| | | |
|------|---|-----|
| 1043 | Mitochondria as targets for cancer therapy. 2009 , 53, 9-28 | 77 |
| 1042 | Natural endogenous ligands for benzodiazepine receptors in hepatic encephalopathy. 2009 , 24, 81-93 | 27 |
| 1041 | Signaling factors in the mechanism of ammonia neurotoxicity. 2009 , 24, 103-117 | 109 |
| 1040 | Imaging microglial activation during neuroinflammation and Alzheimer's disease. 2009 , 4, 227-43 | 123 |
| 1039 | Neurostrophines et douleur. 2009 , 22, 157-168 | 1 |
| 1038 | Uptake of inflammatory cell marker [11C]PK11195 into mouse atherosclerotic plaques. 2009 , 36, 73-80 | 40 |
| 1037 | Whole-body distribution and metabolism of [N-methyl-11C](R)-1-(2-chlorophenyl)-N-(1-methylpropyl)-3-isoquinolinecarboxamide in humans; an imaging agent for in vivo assessment of peripheral benzodiazepine receptor activity with positron emission tomography. 2009 , 25, 671-82 | 35 |
| 1036 | Evaluation of N-benzyl-N-[11C]methyl-2-(7-methyl-8-oxo-2-phenyl-7,8-dihydro-9H-purin-9-yl)acetamide ([11C]DAC) as a novel translocator protein (18 kDa) radioligand in kainic acid-lesioned rat. 2009 , 63, 961-71 | 24 |
| 1035 | The Arabidopsis TSPO-related protein is a stress and abscisic acid-regulated, endoplasmic reticulum-Golgi-localized membrane protein. 2009 , 60, 242-56 | 72 |
| 1034 | Effect of peripheral benzodiazepine receptor (PBR/TSPO) ligands on opening of Ca ²⁺ -induced pore and phosphorylation of 3.5-kDa polypeptide in rat brain mitochondria. 2009 , 74, 421-9 | 35 |
| 1033 | Interactions of peripheral-type benzodiazepine receptor with diamino acid derivatives of protoporphyrin IX. 2009 , 94, 138-42 | 2 |
| 1032 | Fully automated synthesis and initial PET evaluation of [11C]PBR28. 2009 , 19, 5636-9 | 39 |
| 1031 | Translocator protein (18 kD) as target for anxiolytics without benzodiazepine-like side effects. 2009 , 325, 490-3 | 265 |
| 1030 | Single-step high-yield radiosynthesis and evaluation of a sensitive 18F-labeled ligand for imaging brain peripheral benzodiazepine receptors with PET. 2009 , 52, 688-99 | 77 |
| 1029 | Targeting and insertion of the cholesterol-binding translocator protein into the outer mitochondrial membrane. 2009 , 48, 6909-20 | 49 |
| 1028 | CoCl ₂ induces apoptosis via the 18 kDa translocator protein in U118MG human glioblastoma cells. 2009 , 48, 4652-61 | 59 |
| 1027 | The translocator protein (18 kDa): central nervous system disease and drug design. 2009 , 52, 581-92 | 84 |
| 1026 | Pharmaceutical Perspectives of Cancer Therapeutics. 2009 , | 11 |

| | | |
|------|--|-----|
| 1025 | Autoradiographical imaging of PPARgamma agonist effects on PBR/TSPO binding in TASTPM mice. 2009 , 216, 459-70 | 14 |
| 1024 | Translocator protein (18 kDa) TSPO: an emerging therapeutic target in neurotrauma. 2009 , 219, 53-7 | 122 |
| 1023 | Cholesterol transport in steroid biosynthesis: role of protein-protein interactions and implications in disease states. 2009 , 1791, 646-58 | 249 |
| 1022 | Dehydroepiandrosterone and neurotrophins favor axonal growth in a sensory neuron-keratinocyte coculture model. 2009 , 159, 514-25 | 33 |
| 1021 | Imaging of peripheral-type benzodiazepine receptor in tumor: in vitro binding and in vivo biodistribution of N-benzyl-N-[(11)C]methyl-2-(7-methyl-8-oxo-2-phenyl-7,8-dihydro-9H-purin-9-yl)acetamide. 2009 , 36, 801-9 | 13 |
| 1020 | Lack of tolerance to anxiolysis and withdrawal symptoms in mice repeatedly treated with AC-5216, a selective TSPO ligand. 2009 , 33, 1040-5 | 24 |
| 1019 | Leydig cell aging and the mechanisms of reduced testosterone synthesis. 2009 , 299, 23-31 | 137 |
| 1018 | Estradiol modulates uterine 18 kDa translocator protein gene expression in uterus and kidney of rats. 2009 , 307, 43-9 | 9 |
| 1017 | A comparative autoradiography study in post mortem whole hemisphere human brain slices taken from Alzheimer patients and age-matched controls using two radiolabelled DAA1106 analogues with high affinity to the peripheral benzodiazepine receptor (PBR) system. 2009 , 54, 28-36 | 62 |
| 1016 | Translocator protein (TSPO 18kDa) is expressed by neural stem and neuronal precursor cells. 2009 , 462, 257-62 | 36 |
| 1015 | Interactions of protoporphyrin IX and its derivatives with benzodiazepine receptor. 2009 , 6, 46-51 | 1 |
| 1014 | TSPO targeted dendrimer imaging agent: synthesis, characterization, and cellular internalization. 2009 , 20, 2082-9 | 32 |
| 1013 | Expression and modulation of translocator protein and its partners by hypoxia reoxygenation or ischemia and reperfusion in porcine renal models. 2009 , 297, F177-90 | 21 |
| 1012 | Genetic and biochemical analysis of non-vesicular lipid traffic. 2009 , 78, 827-56 | 59 |
| 1011 | Advances in the molecular imaging of multiple sclerosis. 2009 , 5, 765-77 | 7 |
| 1010 | Apoptotic induction by photodynamic therapy using hexaminolevulinate with a literature review. 2009 , | |
| 1009 | Peripheral-type benzodiazepine receptor antagonist is effective in relieving neuropathic pain in mice. 2009 , 110, 55-63 | 19 |
| 1008 | PK11195 enhances chemosensitivity to cisplatin and paclitaxel in human endometrial and ovarian cancer cells. 2009 , 25, | |

| | | |
|------|--|----|
| 1007 | TLN-4601, a novel anticancer agent, inhibits Ras signaling post Ras prenylation and before MEK activation. 2010 , 21, 543-52 | 20 |
| 1006 | Effect of Ro 5-4864 and PK11195 on protein phosphorylation in mitochondria isolated from primary cultures of rat astrocytes. 2010 , 4, 43-49 | |
| 1005 | Carborane-conjugated 2-quinolinecarboxamide ligands of the translocator protein for boron neutron capture therapy. 2010 , 21, 2213-21 | 9 |
| 1004 | Human biodistribution and radiation dosimetry of ¹¹ C-(R)-PK11195, the prototypic PET ligand to image inflammation. 2010 , 37, 606-12 | 34 |
| 1003 | Detection and quantification of remote microglial activation in rodent models of focal ischaemia using the TSPO radioligand CLINDE. 2010 , 37, 2371-80 | 20 |
| 1002 | Two activated stages of microglia and PET imaging of peripheral benzodiazepine receptors with [(11)C]PK11195 in rats. 2010 , 24, 163-9 | 19 |
| 1001 | Molecular imaging of the translocator protein (TSPO) in a pre-clinical model of breast cancer. 2010 , 12, 349-58 | 25 |
| 1000 | Human dosimetry of carbon-11 labeled N-butan-2-yl-1-(2-chlorophenyl)-N-methylisoquinoline-3-carboxamide extrapolated from whole-body distribution kinetics and radiometabolism in rats. 2010 , 12, 435-42 | 9 |
| 999 | Applications of positron emission tomography in the newborn nursery. 2010 , 34, 39-45 | 23 |
| 998 | Three-dimensional structure of TspO by electron cryomicroscopy of helical crystals. 2010 , 18, 677-87 | 92 |
| 997 | Genomic and neural analysis of the estradiol-synthetic pathway in the zebra finch. 2010 , 11, 46 | 24 |
| 996 | Translocator protein (18 kDa) mediates the pro-growth effects of diazepam on Ehrlich tumor cells in vivo. 2010 , 626, 131-8 | 22 |
| 995 | Inhibition of mitochondrial translocator protein prevents atrial fibrillation. 2010 , 632, 60-4 | 8 |
| 994 | PET tracers for the peripheral benzodiazepine receptor and uses thereof. 2010 , 15, 933-42 | 55 |
| 993 | TLN-4601 peripheral benzodiazepine receptor (PBR/TSPO) binding properties do not mediate apoptosis but confer tumor-specific accumulation. 2010 , 80, 1572-9 | 12 |
| 992 | PK11195 might selectively suppress the quinolinic acid-induced enhancement of anaerobic glycolysis in glial cells. 2010 , 1340, 18-23 | 4 |
| 991 | Overexpression of translocator protein in inflammatory bowel disease: potential diagnostic and treatment value. 2010 , 16, 1476-87 | 24 |
| 990 | Mitochondrion. 2010 , 38, 134-40 | 6 |

| | | | |
|-----|--|-----|-----|
| 989 | The development of PET radioligands for imaging the translocator protein (18 kDa): What have we learned?. 2010 , 53, n/a-n/a | | 2 |
| 988 | Radiosynthesis of 7-chloro-N,N-dimethyl-5-[¹¹ C]methyl-4-oxo-3-phenyl-3,5-dihydro-4H-pyridazino[4,5-b]indole-1-acetamide, [¹¹ C]SSR180575, a novel radioligand for imaging the TSPO (peripheral benzodiazepine receptor) | | 13 |
| 987 | A novel one-pot palladium-mediated synthesis of N-[(2-hydroxyphenyl)methyl]-N-(4-phenoxy-3-pyridinyl) acetamide, the precursor to [¹¹ C]PBR28, a PET biomarker for the peripheral benzodiazepine receptor. 2010 , 51, 3353-3355 | | 3 |
| 986 | New iodinated quinoline-2-carboxamides for SPECT imaging of the translocator protein. 2010 , 20, 954-7 | | 16 |
| 985 | Pyrazolo[1,5-a]pyrimidine acetamides: 4-Phenyl alkyl ether derivatives as potent ligands for the 18 kDa translocator protein (TSPO). 2010 , 20, 5799-802 | | 30 |
| 984 | Cellular cholesterol delivery, intracellular processing and utilization for biosynthesis of steroid hormones. 2010 , 7, 47 | | 242 |
| 983 | Imaging of the translocator protein (18 kDa) in rat brain after ischemia using [¹¹ C]DAC with ultra-high specific activity. 2010 , 64, 488-93 | | 13 |
| 982 | In vivo binding of protoporphyrin IX to rat translocator protein imaged with positron emission tomography. 2010 , 64, 649-53 | | 9 |
| 981 | Ethanol induction of steroidogenesis in rat adrenal and brain is dependent upon pituitary ACTH release and de novo adrenal StAR synthesis. <i>Journal of Neurochemistry</i> , 2010 , 112, 784-96 | 6 | 35 |
| 980 | Evaluation of the PBR/TSPO radioligand [(¹⁸ F)]DPA-714 in a rat model of focal cerebral ischemia. 2010 , 30, 230-41 | | 166 |
| 979 | Two binding sites for [³ H]PBR28 in human brain: implications for TSPO PET imaging of neuroinflammation. 2010 , 30, 1608-18 | | 166 |
| 978 | Translocator protein (18 kDa) (TSPO) as a therapeutic target for neurological and psychiatric disorders. 2010 , 9, 971-88 | | 646 |
| 977 | Functional interaction between acyl-CoA synthetase 4, lipooxygenases and cyclooxygenase-2 in the aggressive phenotype of breast cancer cells. <i>PLoS ONE</i> , 2010 , 5, e15540 | 3.7 | 65 |
| 976 | 4'-Chlorodiazepam, a translocator protein (18 kDa) antagonist, improves cardiac functional recovery during postischemia reperfusion in rats. 2010 , 235, 478-86 | | 31 |
| 975 | TRO40303, a new cardioprotective compound, inhibits mitochondrial permeability transition. 2010 , 333, 696-706 | | 94 |
| 974 | Ca ²⁺ -dependent autophagy is enhanced by the pharmacological agent PK11195. 2010 , 6, 607-13 | | 22 |
| 973 | ¹⁸ F-FEAC and ¹⁸ F-FEDAC: PET of the monkey brain and imaging of translocator protein (18 kDa) in the infarcted rat brain. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 1301-9 | 8.9 | 47 |
| 972 | Therapeutic implications of brain steroidogenesis. 2010 , 1, 21-6 | | 1 |

| | | |
|-----|--|--------|
| 971 | Reductions in platelet 18-kDa translocator protein density are associated with adult separation anxiety in patients with bipolar disorder. 2010 , 62, 98-103 | 20 |
| 970 | Decreases in binding capacity of the mitochondrial 18 kDa translocator protein accompany oxidative stress and pathological signs in rat liver after DMBA exposure. 2010 , 38, 957-68 | 11 |
| 969 | Compilation of a comprehensive gene panel for systematic assessment of genes that govern an individual's drug responses. 2010 , 11, 1403-25 | 12 |
| 968 | A global role for KLF1 in erythropoiesis revealed by CHIP-seq in primary erythroid cells. 2010 , 20, 1052-63 | 150 |
| 967 | Non-invasive imaging of the type 2 cannabinoid receptor, focus on positron emission tomography. 2010 , 10, 1527-43 | 27 |
| 966 | Novel irreversible fluorescent probes targeting the 18 kDa translocator protein: synthesis and biological characterization. 2010 , 53, 4085-93 | 23 |
| 965 | Platinum(II) complexes with bioactive carrier ligands having high affinity for the translocator protein. 2010 , 53, 5144-54 | 60 |
| 964 | Characterization of membrane protein preparations: measurement of detergent content and ligand binding after proteoliposomes reconstitution. 2010 , 654, 3-18 | 9 |
| 963 | Mechanisms, diagnosis and management of hepatic encephalopathy. 2010 , 7, 515-25 | 195 |
| 962 | Protein kinase C epsilon regulation of translocator protein (18 kDa) Tspo gene expression is mediated through a MAPK pathway targeting STAT3 and c-Jun transcription factors. 2010 , 49, 4766-78 | 51 |
| 961 | Translocator protein (TSPO) ligand-Ara-C (cytarabine) conjugates as a strategy to deliver antineoplastic drugs and to enhance drug clinical potential. <i>Molecular Pharmaceutics</i> , 2010 , 7, 2255-69 | 5.6 31 |
| 960 | Mitochondrially targeted anti-cancer agents. 2010 , 10, 670-81 | 100 |
| 959 | Effects of different doses and schedules of diazepam treatment on lymphocyte parameters in rats. 2010 , 10, 1335-43 | 15 |
| 958 | Regulation of translocator protein 18 kDa (TSPO) expression in health and disease states. 2010 , 327, 1-12 | 210 |
| 957 | In-vivo visualization of key molecular processes involved in Alzheimer's disease pathogenesis: Insights from neuroimaging research in humans and rodent models. 2010 , 1802, 373-88 | 16 |
| 956 | Oral cancer, cigarette smoke and mitochondrial 18kDa translocator protein (TSPO) - In vitro, in vivo, salivary analysis. 2010 , 1802, 454-61 | 24 |
| 955 | Chronic high fat, high cholesterol supplementation decreases 18 kDa Translocator Protein binding capacity in association with increased oxidative stress in rat liver and aorta. 2010 , 48, 910-21 | 34 |
| 954 | Acyl-coenzyme A binding domain containing 3 (ACBD3; PAP7; GCP60): an emerging signaling molecule. 2010 , 49, 218-34 | 103 |

| | | |
|-----|---|-----|
| 953 | Evaluation of [¹¹ C]-DAA1106 for imaging and quantification of neuroinflammation in a rat model of herpes encephalitis. 2010 , 37, 9-15 | 24 |
| 952 | In vivo imaging and quantitative analysis of TSPO in rat peripheral tissues using small-animal PET with [¹⁸ F]FEDAC. 2010 , 37, 853-60 | 15 |
| 951 | Lifetime manic-hypomanic symptoms in post-traumatic stress disorder: relationship with the 18 kDa mitochondrial translocator protein density. 2010 , 177, 139-43 | 32 |
| 950 | Neurosteroids: endogenous role in the human brain and therapeutic potentials. 2010 , 186, 113-37 | 367 |
| 949 | Comparison of [(11)C]-(R)-PK 11195 and [(11)C]PBR28, two radioligands for translocator protein (18 kDa) in human and monkey: Implications for positron emission tomographic imaging of this inflammation biomarker. 2010 , 49, 2924-32 | 207 |
| 948 | Dimethylbenz[alpha]anthracene induces oxidative stress and reduces the binding capacity of the mitochondrial 18-kDa translocator protein in rat aorta. 2010 , 33, 337-47 | 9 |
| 947 | Steroidogenic acute regulatory protein (StAR) and peripheral-type benzodiazepine receptor (PBR) are decreased in human apoptotic embryos. 2011 , 15, 211-218 | 1 |
| 946 | ⁸⁹ Zr-labeled dextran nanoparticles allow in vivo macrophage imaging. 2011 , 22, 2383-9 | 100 |
| 945 | Synthesis and evaluation of novel carbon-11 labeled oxopurine analogues for positron emission tomography imaging of translocator protein (18 kDa) in peripheral organs. 2011 , 54, 6040-9 | 8 |
| 944 | Searching for neuropathology: gliosis in schizophrenia. 2011 , 69, 134-9 | 77 |
| 943 | Therapeutic targets for neuroprotection and/or enhancement of functional recovery following traumatic brain injury. 2011 , 98, 85-131 | 10 |
| 942 | Imaging of atherosclerosis. 2011 , 62, 25-40 | 79 |
| 941 | TSPO 18 kDa (PBR) Targeted Photosensitizers for Cancer Imaging (PET) and PDT. 2011 , 2, 136-41 | 29 |
| 940 | Evaluation of novel N1-methyl-2-phenylindol-3-ylglyoxylamides as a new chemotype of 18 kDa translocator protein-selective ligand suitable for the development of positron emission tomography radioligands. 2011 , 54, 366-73 | 20 |
| 939 | Emerging drugs for panic disorder. 2011 , 16, 631-45 | 20 |
| 938 | Age and disease related changes in the translocator protein (TSPO) system in the human brain: positron emission tomography measurements with [¹¹ C]vinpocetine. 2011 , 56, 1111-21 | 72 |
| 937 | Visualization of early infarction in rat brain after ischemia using a translocator protein (18 kDa) PET ligand [¹¹ C]DAC with ultra-high specific activity. 2011 , 54, 123-30 | 39 |
| 936 | TSPO-specific ligand vinpocetine exerts a neuroprotective effect by suppressing microglial inflammation. 2011 , 7, 187-97 | 43 |

| | | |
|-----|--|--------|
| 935 | Synthesis and structure-activity relationship studies in translocator protein ligands based on a pyrazolo[3,4-b]quinoline scaffold. 2011 , 54, 7165-75 | 21 |
| 934 | Roles of mitochondrial benzodiazepine receptor in the heart. 2011 , 27, 262.e3 -13 | 12 |
| 933 | Mitochondrial calcium handling during ischemia-induced cell death in neurons. 2011 , 93, 2060-7 | 48 |
| 932 | N-(4-cyanotetrahydro-2H-pyran-4-yl) and N-(1-cyanocyclohexyl) derivatives of 1,5-diarylpyrazole-3-carboxamides showing high affinity for 18 kDa translocator protein and/or cannabinoid receptors. 2011 , 54, 2961-70 | 30 |
| 931 | Combinatorial discovery of fluorescent pharmacophores by multicomponent reactions in droplet arrays. 2011 , 133, 10058-61 | 98 |
| 930 | Mitochondrial protein import and the genesis of steroidogenic mitochondria. 2011 , 336, 70-9 | 60 |
| 929 | Synthesis of [^{11}C]PBR06 and [^3H]PBR06 as agents for positron emission tomographic (PET) imaging of the translocator protein (TSPO). 2011 , 76, 1331-40 | 52 |
| 928 | Neurosteroid biosynthetic pathways changes in prefrontal cortex in Alzheimer's disease. 2011 , 32, 1964-76 | 76 |
| 927 | The naturally occurring steroid solasodine induces neurogenesis in vitro and in vivo. 2011 , 183, 251-64 | 28 |
| 926 | Neurosteroid and GABA-A receptor alterations in Alzheimer's disease, Parkinson's disease and multiple sclerosis. 2011 , 191, 6-21 | 106 |
| 925 | Dihydrolipoamide dehydrogenase and cAMP are associated with cadmium-mediated Leydig cell damage. 2011 , 205, 183-9 | 37 |
| 924 | From benzodiazepines to peripheral and brain steroid biosynthesis. 2011 , 64, 330-2 | 1 |
| 923 | Neurosteroid Biosynthesis Upregulation: A Novel Promising Therapy for Anxiety Disorders and PTSD. 2011 , | 1 |
| 922 | Neurosteroid biosynthesis in the brain of amphibians. 2011 , 2, 79 | 14 |
| 921 | The endocrine disruptor mono-(2-ethylhexyl) phthalate affects the differentiation of human liposarcoma cells (SW 872). <i>PLoS ONE</i> , 2011 , 6, e28750 | 3-7 42 |
| 920 | Structural requirements to obtain highly potent and selective 18 kDa Translocator Protein (TSPO) Ligands. 2011 , 11, 860-86 | 30 |
| 919 | Diazepam enhances production of diazepam-binding inhibitor (DBI), a negative saliva secretion regulator, localized in rat salivary gland. 2011 , 115, 221-9 | 7 |
| 918 | Activation of the mitochondrial permeability transition pore modulates Ca^{2+} responses to physiological stimuli in adult neurons. 2011 , 33, 831-42 | 67 |

| | | |
|-----|--|-----|
| 917 | Mitochondrial calcium and its regulation in neurodegeneration induced by oxidative stress. 2011 , 34, 437-47 | 32 |
| 916 | Novel substrates for, and sources of, progestogens for reproduction. 2011 , 23, 961-73 | 23 |
| 915 | Positron emission tomography imaging in multiple sclerosis-current status and future applications. 2011 , 18, 226-231 | 26 |
| 914 | Morphological and receptorial changes in the epididymal adipose tissue of rats subjected to a stressful stimulus. 2011 , 19, 703-8 | 14 |
| 913 | Mitochondrial heat shock protein participates in placental steroidogenesis. 2011 , 32, 222-9 | 32 |
| 912 | The Arabidopsis translocator protein (AtTSPO) is regulated at multiple levels in response to salt stress and perturbations in tetrapyrrole metabolism. 2011 , 11, 108 | 32 |
| 911 | Shedding light on the mitochondrial permeability transition. 2011 , 1807, 482-90 | 75 |
| 910 | The translocator protein (peripheral benzodiazepine receptor) mediates rat-selective activation of the mitochondrial permeability transition by norbormide. 2011 , 1807, 1600-5 | 12 |
| 909 | Epoxygenated fatty acids and soluble epoxide hydrolase inhibition: novel mediators of pain reduction. 2011 , 59, 2816-24 | 44 |
| 908 | Early steps in steroidogenesis: intracellular cholesterol trafficking. 2011 , 52, 2111-2135 | 329 |
| 907 | In vitro mitochondrial effects of PK 11195, a synthetic translocator protein 18 kDa (TSPO) ligand, in human osteoblast-like cells. 2011 , 43, 739-46 | 12 |
| 906 | New fluorescent probes targeting the mitochondrial-located translocator protein 18 kDa (TSPO) as activated microglia imaging agents. 2011 , 28, 2820-32 | 19 |
| 905 | Reduced PBR/TSPO expression after minocycline treatment in a rat model of focal cerebral ischemia: a PET study using [(18)F]DPA-714. 2011 , 13, 10-5 | 57 |
| 904 | Comparison of 18F- and 11C-labeled aryloxyanilide analogs to measure translocator protein in human brain using positron emission tomography. 2011 , 38, 352-7 | 26 |
| 903 | Evaluation of [¹¹ C]-CLINDE as a potent SPECT radiotracer to assess the degree of astroglia activation in cuprizone-induced neuroinflammation. 2011 , 38, 1516-28 | 33 |
| 902 | Biodistribution and radiation dosimetry of the 18 kDa translocator protein (TSPO) radioligand [18F]FEDAA1106: a human whole-body PET study. 2011 , 38, 2058-65 | 24 |
| 901 | Gender difference and sex hormone production in rodent renal ischemia reperfusion injury and repair. 2011 , 8, 14 | 29 |
| 900 | Sex differences in the inflammatory response of primary astrocytes to lipopolysaccharide. 2011 , 2, 7 | 105 |

| | | |
|-----|---|-----|
| 899 | Variation in binding affinity of the novel anxiolytic XBD173 for the 18 kDa translocator protein in human brain. 2011 , 65, 257-9 | 33 |
| 898 | Highlighting the versatility of the Tracerlab synthesis modules. Part 2: fully automated production of [11C]-labeled radiopharmaceuticals using a Tracerlab FXC-Pro. 2011 , 54, 819-838 | 41 |
| 897 | Neuroactive Steroids and Peripheral Neuropathy. 2011 , 121-135 | |
| 896 | Translocator protein (18 kDa)/peripheral benzodiazepine receptor specific ligands induce microglia functions consistent with an activated state. 2011 , 59, 219-30 | 86 |
| 895 | Activity profiles of 309 ToxCast chemicals evaluated across 292 biochemical targets. 2011 , 282, 1-15 | 115 |
| 894 | Inflammatory risk factors and pathologies associated with Alzheimer's disease. 2011 , 8, 132-41 | 45 |
| 893 | DDC-Induced Hepatic Protoporphyrin and Changes in Serum and in Liver Lipids Content in Rat: Impact of Peripheral Benzodiazepine Receptor. 2011 , 25, 2258-2261 | |
| 892 | Towards molecular imaging of multiple sclerosis. 2011 , 17, 262-72 | 9 |
| 891 | ATP synthesis, mitochondrial function, and steroid biosynthesis in rodent primary and tumor Leydig cells. 2011 , 84, 976-85 | 55 |
| 890 | Neurosteroids and GABA(A) Receptor Interactions: A Focus on Stress. 2011 , 5, 131 | 77 |
| 889 | Regulation of synaptic plasticity by hippocampus synthesized estradiol. 2011 , 7, 361-75 | 2 |
| 888 | The Arabidopsis multistress regulator TSPO is a heme binding membrane protein and a potential scavenger of porphyrins via an autophagy-dependent degradation mechanism. 2011 , 23, 785-805 | 156 |
| 887 | Refractory epilepsy associated with microglial activation. 2011 , 17, 249-54 | 40 |
| 886 | Novel androstenediol interacts with the mitochondrial translocator protein and controls steroidogenesis. 2011 , 286, 9875-87 | 49 |
| 885 | How a Transient Response Becomes Transient: Autophagy Cleans up after Abscisic Acid. 2011 , 23, 429-429 | 3 |
| 884 | Imaging of microglia activation in stroke. 2011 , 42, 507-12 | 88 |
| 883 | Regulation of the inner membrane mitochondrial permeability transition by the outer membrane translocator protein (peripheral benzodiazepine receptor). 2011 , 286, 1046-53 | 84 |
| 882 | Involvement of endothelium-dependent and -independent mechanisms in midazolam-induced vasodilation. 2011 , 34, 929-34 | 23 |

| | | | |
|-----|--|-----|----|
| 881 | Detection and quantification of large-vessel inflammation with 11C-(R)-PK11195 PET/CT. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 33-9 | 8.9 | 59 |
| 880 | Quantitative, preclinical PET of translocator protein expression in glioma using 18F-N-fluoroacetyl-N-(2,5-dimethoxybenzyl)-2-phenoxyaniline. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 107-14 | 8.9 | 54 |
| 879 | A TSPO-related protein localizes to the early secretory pathway in Arabidopsis, but is targeted to mitochondria when expressed in yeast. 2011 , 62, 497-508 | | 16 |
| 878 | DMT1 (IRE) expression in intestinal and erythroid cells is regulated by peripheral benzodiazepine receptor-associated protein 7. 2012 , 302, G1180-90 | | 19 |
| 877 | Radiation dosimetry and biodistribution of the TSPO ligand 11C-DPA-713 in humans. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 330-5 | 8.9 | 21 |
| 876 | Increased in vivo expression of an inflammatory marker in temporal lobe epilepsy. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 234-40 | 8.9 | 75 |
| 875 | Role of intramitochondrial arachidonic acid and acyl-CoA synthetase 4 in angiotensin II-regulated aldosterone synthesis in NCI-H295R adrenocortical cell line. 2012 , 153, 3284-94 | | 10 |
| 874 | Transcriptional regulation of translocator protein (Tspo) via a SINE B2-mediated natural antisense transcript in MA-10 Leydig cells. 2012 , 86, 147, 1-15 | | 15 |
| 873 | The expression of translocator protein in human thyroid cancer and its role in the response of thyroid cancer cells to oxidative stress. 2012 , 214, 207-16 | | 15 |
| 872 | The 18 kDa Mitochondrial Translocator Protein (TSPO) Prevents Accumulation of Protoporphyrin IX. Involvement of Reactive Oxygen Species (ROS). 2012 , 12, 494-501 | | 4 |
| 871 | The 18 kDa Translocator Protein (TSPO): A New Perspective in Mitochondrial Biology. 2012 , 12, 356-368 | | |
| 870 | Is there Any Correlation Between Binding and Functional Effects at the Translocator Protein (TSPO) (18 kDa)?. 2012 , 12, 387-397 | | |
| 869 | Role of Translocator Protein in Renal Ischemia Reperfusion, Renal Preservation and Acute Kidney Injury. 2012 , 12, 413-425 | | 5 |
| 868 | Mitochondrial function and dysfunction: an update. 2012 , 342, 598-607 | | 52 |
| 867 | Saccharomyces cerevisiae porin pore forms complexes with mitochondrial outer membrane proteins Om14p and Om45p. 2012 , 287, 17447-17458 | | 23 |
| 866 | Quantitative preclinical imaging of TSPO expression in glioma using N,N-diethyl-2-(2-(4-(2-18F-fluoroethoxy)phenyl)-5,7-dimethylpyrazolo[1,5-a]pyrimidin-3-yl)acetamide. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 287-94 | 8.9 | 54 |
| 865 | Neuroactive steroids, their metabolites, and neuroinflammation. 2012 , 49, R125-34 | | 55 |
| 864 | MicroPET/CT Imaging of [18F]-FEPPA in the Nonhuman Primate: A Potential Biomarker of Pathogenic Processes Associated with Anesthetic-Induced Neurotoxicity. 2012 , 2012, 1-11 | | 15 |

| | | |
|-----|---|-----|
| 863 | The Role of 18 kDa Mitochondrial Translocator Protein (TSPO) in Programmed Cell Death, and Effects of Steroids on TSPO Expression. 2012 , 12, 398-412 | 2 |
| 862 | Medicinal chemistry of indolylglyoxylamide TSPO high affinity ligands with anxiolytic-like effects. 2012 , 12, 333-51 | 5 |
| 861 | Structural and Functional Evolution of the Translocator Protein (18 kDa). 2012 , 12, 369-386 | 6 |
| 860 | Translocator Protein (TSPO) in Breast Cancer. 2012 , 12, 443-457 | 4 |
| 859 | Developmental Expression of the Translocator Protein 18 kDa (TSPO) in Testicular Germ Cells. 2012 , 12, 467-475 | |
| 858 | Recent developments in potential anxiolytic agents targeting GABAA/BzR complex or the translocator protein (18kDa) (TSPO). 2012 , 12, 360-70 | 19 |
| 857 | Sympathetic nervous system dysfunction in multiple sclerosis, linking neurodegeneration to a reduced response to therapy. 2012 , 18, 1635-44 | 16 |
| 856 | Radiolabelled Quinoline Derivatives for the PET Imaging of Peripheral Benzodiazepine Receptor. 2012 , 8, 302-307 | 2 |
| 855 | Effects of 18-kDa translocator protein knockdown on gene expression of glutamate receptors, transporters, and metabolism, and on cell viability affected by glutamate. 2012 , 22, 606-19 | 16 |
| 854 | Imaging of microglia in patients with neurodegenerative disorders. 2012 , 3, 96 | 85 |
| 853 | Role of Translocator Protein (18 kDa) in Adult Separation Anxiety and Attachment Style in Patients with Depression. 2012 , 12, 483-487 | 12 |
| 852 | Role of mitochondria in steroidogenesis. 2012 , 26, 771-90 | 148 |
| 851 | Translocator protein (18 kDa) (TSPO) as a therapeutic target for anxiety and neurologic disorders. 2012 , 262 Suppl 2, S107-12 | 41 |
| 850 | Role of translocator protein in melanoma growth and progression. 2012 , 304, 839-45 | 13 |
| 849 | Aging and the neurovascular unit. 2012 , 1268, 127-33 | 27 |
| 848 | Cardenolide Aglycone Formation in Digitalis. 2012 , 425-438 | 4 |
| 847 | Expression of genes associated with H factor in fibroblasts infected with Borrelia spirochaetes. 2012 , 76, 354-8 | 1 |
| 846 | Fast synaptic inhibition in spinal sensory processing and pain control. 2012 , 92, 193-235 | 249 |

| | | |
|-----|---|-----|
| 845 | What to eat: evidence for selective autophagy in plants. 2012 , 54, 907-20 | 65 |
| 844 | Very-low-density lipoprotein mediates transcriptional regulation of aldosterone synthase in human adrenocortical cells through multiple signaling pathways. 2012 , 348, 71-80 | 20 |
| 843 | Translocator protein (Tspo) gene promoter-driven green fluorescent protein synthesis in transgenic mice: an in vivo model to study Tspo transcription. 2012 , 350, 261-75 | 21 |
| 842 | A translocator protein ligand PK11195 shows antigrowth activity in human choriocarcinoma cells. 2012 , 33, 1505-10 | 3 |
| 841 | Microglial activation in healthy aging. 2012 , 33, 1067-72 | 110 |
| 840 | Contributions of central and systemic inflammation to the pathophysiology of Parkinson's disease. 2012 , 62, 2154-68 | 203 |
| 839 | Initial evaluation in healthy humans of [18F]DPA-714, a potential PET biomarker for neuroinflammation. 2012 , 39, 570-8 | 96 |
| 838 | Radiation dosimetry of the translocator protein ligands [18F]PBR111 and [18F]PBR102. 2012 , 39, 742-53 | 9 |
| 837 | Diazepam binding inhibitor promotes progenitor proliferation in the postnatal SVZ by reducing GABA signaling. 2012 , 10, 76-87 | 85 |
| 836 | Role of neurosteroids in the anticonvulsant activity of midazolam. 2012 , 165, 2684-91 | 18 |
| 835 | Recent applications of multicomponent reactions in medicinal chemistry. 2012 , 3, 1189 | 330 |
| 834 | Fully automated radiosynthesis of [¹¹¹ C]PBR28, a radiopharmaceutical for the translocator protein (TSPO) 18 kDa, using a GE TRACERlab FXC-Pro. 2012 , 70, 1779-83 | 8 |
| 833 | Translocator protein (18 kDa), a potential molecular imaging biomarker for non-invasively distinguishing non-alcoholic fatty liver disease. 2012 , 57, 1076-82 | 41 |
| 832 | VDAC, a multi-functional mitochondrial protein as a pharmacological target. 2012 , 12, 24-34 | 183 |
| 831 | Functionalized nanosystems for targeted mitochondrial delivery. 2012 , 12, 190-201 | 55 |
| 830 | GABAergic neurosteroids: the "endogenous benzodiazepines" of acute liver failure. 2012 , 60, 707-14 | 26 |
| 829 | LXR and TSPO as new therapeutic targets to increase the levels of neuroactive steroids in the central nervous system of diabetic animals. 2012 , 60, 616-21 | 37 |
| 828 | Functional characterization of the human translocator protein (18kDa) gene promoter in human breast cancer cell lines. 2012 , 1819, 38-56 | 21 |

| | | | |
|-----|---|-----|-----|
| 827 | The role of VDAC in cell death: friend or foe?. 2012 , 1818, 1444-50 | | 106 |
| 826 | Actions of translocator protein ligands on neutrophil adhesion and motility induced by G-protein coupled receptor signaling. 2012 , 417, 918-23 | | 12 |
| 825 | A molecular imaging primer: modalities, imaging agents, and applications. 2012 , 92, 897-965 | | 713 |
| 824 | ¹⁸ F-Labelled Tracers for PET Oncology and Neurology Applications. 2012 , 383-459 | | 3 |
| 823 | Mouse TSPO in a lipid environment interacting with a functionalized monolayer. 2012 , 1818, 2791-800 | | 17 |
| 822 | Design, synthesis and structure-activity relationships of novel benzoxazolone derivatives as 18 kDa translocator protein (TSPO) ligands. 2012 , 20, 5568-82 | | 22 |
| 821 | Structure-activity relationship (SAR) analysis of a family of steroids acutely controlling steroidogenesis. 2012 , 77, 1327-34 | | 11 |
| 820 | Ecdysteroid Chemistry and Biochemistry. 2012 , 106-176 | | 22 |
| 819 | Recent advances in ligand targeted therapy. 2012 , 20, 1-22 | | 64 |
| 818 | Hormones and the Aging Brain. 2012 , 573-594 | | |
| 817 | Kinetic analysis and test-retest variability of the radioligand [¹¹ C](R)-PK11195 binding to TSPO in the human brain - a PET study in control subjects. 2012 , 2, 15 | | 70 |
| 816 | PET imaging of lung inflammation with [¹⁸ F]FEDAC, a radioligand for translocator protein (18 kDa). <i>PLoS ONE</i> , 2012 , 7, e45065 | 3.7 | 56 |
| 815 | Molecular imaging of microglial activation in amyotrophic lateral sclerosis. <i>PLoS ONE</i> , 2012 , 7, e52941 | 3.7 | 166 |
| 814 | Translocator protein (18 kDa): a promising therapeutic target and diagnostic tool for cardiovascular diseases. 2012 , 2012, 162934 | | 28 |
| 813 | Regulation of neurosteroid biosynthesis by neurotransmitters and neuropeptides. 2012 , 3, 4 | | 21 |
| 812 | Novel modulatory effects of neurosteroids and benzodiazepines on excitatory and inhibitory neurons excitability: a multi-electrode array recording study. 2012 , 6, 94 | | 16 |
| 811 | Effects and Mechanisms of 3β-THP on Emotion, Motivation, and Reward Functions Involving Pregnane Xenobiotic Receptor. 2011 , 5, 136 | | 32 |
| 810 | Progesterone synthesis in the nervous system: implications for myelination and myelin repair. 2012 , 6, 10 | | 132 |

| | | |
|-----|---|-----|
| 809 | Positron Emission Tomography-Based Molecular Imaging. 2012 , 301-327 | 1 |
| 808 | The Role of Oxidative Stress and Mitochondrial Dysfunction in the Pathogenesis of Fibromyalgia. 2012 , | |
| 807 | Different neuroprotection and therapeutic time windows by two specific diazepam regimens on retinal ganglion cells after optic nerve transection in adult rats. 2012 , 30, 335-43 | 1 |
| 806 | Longitudinal and parallel monitoring of neuroinflammation and neurodegeneration in a 6-hydroxydopamine rat model of Parkinson's disease. 2012 , 66, 573-83 | 40 |
| 805 | Synthesis and biological evaluation of 4-phenylquinazoline-2-carboxamides designed as a novel class of potent ligands of the translocator protein. 2012 , 55, 4506-10 | 31 |
| 804 | The translocator protein ligand [¹⁸ F]DPA-714 images glioma and activated microglia in vivo. 2012 , 39, 811-23 | 69 |
| 803 | The nitric oxide donor sodium nitroprusside requires the 18 kDa Translocator Protein to induce cell death. 2012 , 17, 647-65 | 9 |
| 802 | Translocator protein (18 kDa) as a target for novel anxiolytics with a favourable side-effect profile. 2012 , 24, 82-92 | 57 |
| 801 | Caprospinol: discovery of a steroid drug candidate to treat Alzheimer's disease based on 22R-hydroxycholesterol structure and properties. 2012 , 24, 93-101 | 20 |
| 800 | Axonal regeneration and neuroinflammation: roles for the translocator protein 18 kDa. 2012 , 24, 71-81 | 59 |
| 799 | Up-regulation of neurosteroid biosynthesis as a pharmacological strategy to improve behavioural deficits in a putative mouse model of post-traumatic stress disorder. 2012 , 24, 102-16 | 58 |
| 798 | Fully automated synthesis of PET TSPO radioligands [¹¹ C]DAA1106 and [¹⁸ F]FEDAA1106. 2012 , 70, 965-73 | 47 |
| 797 | 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. 2012 , 53, 3780-3783 | 11 |
| 796 | Synthesis of fluorine-18-labelled TSPO ligands for imaging neuroinflammation with Positron Emission Tomography. 2012 , 134, 107-114 | 16 |
| 795 | [(¹¹ C)]DAC-PET for noninvasively monitoring neuroinflammation and immunosuppressive therapy efficacy in rat experimental autoimmune encephalomyelitis model. 2012 , 7, 231-42 | 14 |
| 794 | Molecular imaging of microglia/macrophages in the brain. 2013 , 61, 10-23 | 141 |
| 793 | The 1,4-benzodiazepine Ro5-4864 (4-chlorodiazepam) suppresses multiple pro-inflammatory mast cell effector functions. 2013 , 11, 13 | 12 |
| 792 | Targeting of the translocator protein 18 kDa (TSPO): a valuable approach for nuclear and optical imaging of activated microglia. 2013 , 24, 1415-28 | 43 |

| | | |
|-----|---|-----|
| 791 | Animal Models of Brain Tumors. 2013 , | |
| 790 | Neurosteroids and epileptogenesis. 2013 , 25, 980-90 | 14 |
| 789 | Translocator protein 18 kDa (TSPO) expression in multiple sclerosis patients. 2013 , 8, 51-7 | 21 |
| 788 | Release of targeted p53 from the mitochondrion as an early signal during mitochondrial dysfunction. 2013 , 25, 2383-90 | 4 |
| 787 | In vitro targeting and imaging the translocator protein TSPO 18-kDa through G(4)-PAMAM-FITC labeled dendrimer. 2013 , 172, 1111-25 | 42 |
| 786 | Repeated administration of AC-5216, a ligand for the 18 kDa translocator protein, improves behavioral deficits in a mouse model of post-traumatic stress disorder. 2013 , 45, 40-6 | 46 |
| 785 | Imaging of neuroinflammation in parkinsonian syndromes with positron emission tomography. 2013 , 13, 405 | 6 |
| 784 | Identification of a novel benzoxazolone derivative as a selective, orally active 18 kDa translocator protein (TSPO) ligand. 2013 , 56, 8191-5 | 12 |
| 783 | Exposure of maternal mice to cis-bifenthrin enantioselectively disrupts the transcription of genes related to testosterone synthesis in male offspring. 2013 , 42, 156-63 | 27 |
| 782 | Cardioprotection by the TSPO ligand 4'-chlorodiazepam is associated with inhibition of mitochondrial accumulation of cholesterol at reperfusion. 2013 , 98, 420-7 | 41 |
| 781 | Mitochondrial translocator protein (TSPO) ligands prevent doxorubicin-induced mechanical dysfunction and cell death in isolated cardiomyocytes. 2013 , 13, 688-97 | 17 |
| 780 | Neurosteroid interactions with synaptic and extrasynaptic GABA(A) receptors: regulation of subunit plasticity, phasic and tonic inhibition, and neuronal network excitability. 2013 , 230, 151-88 | 155 |
| 779 | Control of hypercholesterolemia and atherosclerosis using the cholesterol recognition/interaction amino acid sequence of the translocator protein TSPO. 2013 , 78, 137-46 | 14 |
| 778 | A model radiopharmaceutical agent targeted to translocator protein 18 kDa (TSPO). 2013 , 42, 10112-5 | 12 |
| 777 | The potential of carbon-11 and fluorine-18 chemistry: illustration through the development of positron emission tomography radioligands targeting the translocator protein 18 kDa. 2013 , 56, 96-104 | 31 |
| 776 | Neurosteroids, stress and depression: potential therapeutic opportunities. 2013 , 37, 109-22 | 129 |
| 775 | Microglial activation in Alzheimer's disease: an (R)-[¹¹ C]PK11195 positron emission tomography study. 2013 , 34, 128-36 | 126 |
| 774 | Whole-organism screening for gluconeogenesis identifies activators of fasting metabolism. 2013 , 9, 97-104 | 136 |

| | | |
|-----|--|-----|
| 773 | Magnesium sulfate treatment against sarin poisoning: dissociation between overt convulsions and recorded cortical seizure activity. 2013 , 87, 347-60 | 7 |
| 772 | Synthesis and characterization of an MRI Gd-based probe designed to target the translocator protein. 2013 , 51, 116-22 | 6 |
| 771 | Effects of peripheral benzodiazepine receptor ligand Ro5-4864 in four animal models of acute lung injury. 2013 , 182, 277-84 | 6 |
| 770 | 4D-PET/CT with [(11)C]-PK11195 and [(11)C]-(D)-deprenyl does not identify the chronic inflammation in asymptomatic abdominal aortic aneurysms. 2013 , 45, 351-6 | 13 |
| 769 | The spatial and temporal regulation of the hormonal signal. Role of mitochondria in the formation of a protein complex required for the activation of cholesterol transport and steroids synthesis. 2013 , 371, 26-33 | 22 |
| 768 | Diffusion-weighted imaging and its relationship to microglial activation in parkinsonian syndromes. 2013 , 19, 527-32 | 17 |
| 767 | Spinal microglial activation in rat models of neuropathic and osteoarthritic pain: an autoradiographic study using [3H]PK11195. 2013 , 17, 692-703 | 17 |
| 766 | Synthesis and structure-activity relationships of 5,6,7-substituted pyrazolopyrimidines: discovery of a novel TSPO PET ligand for cancer imaging. 2013 , 56, 3429-33 | 34 |
| 765 | Mitochondrial Medicine. 2013 , 1-153 | 5 |
| 764 | Steroid hormone synthesis in mitochondria. 2013 , 379, 62-73 | 231 |
| 763 | Design, synthesis and structure-activity relationship of novel tricyclic benzimidazolone derivatives as potent 18 kDa translocator protein (TSPO) ligands. 2013 , 21, 1257-67 | 11 |
| 762 | Ligand for translocator protein reverses pathology in a mouse model of Alzheimer's disease. 2013 , 33, 8891-7 | 103 |
| 761 | Chemical catalysis by the translocator protein (18 kDa). 2013 , 52, 3609-11 | 28 |
| 760 | Redox control: A black hole for oxidized glutathione. 2013 , 9, 69-70 | 10 |
| 759 | The translocator protein (TSPO): a novel target for cancer chemotherapy. 2013 , 45, 1212-6 | 66 |
| 758 | Neurosteroid and neurotransmitter alterations in Parkinson's disease. 2013 , 34, 132-42 | 32 |
| 757 | The upregulation of translocator protein (18 kDa) promotes recovery from neuropathic pain in rats. 2013 , 33, 1540-51 | 65 |
| 756 | In vivo microglia activation in very early dementia with Lewy bodies, comparison with Parkinson's disease. 2013 , 19, 47-52 | 145 |

| | | | |
|-----|---|-----|-----|
| 755 | Characterization and modeling of the oligomeric state and ligand binding behavior of purified translocator protein 18 kDa from <i>Rhodobacter sphaeroides</i> . 2013 , 52, 5884-99 | | 44 |
| 754 | Metabolism: Drug discovery goes for a swim. 2013 , 9, 68-9 | | 4 |
| 753 | Drug ligand-induced activation of translocator protein (TSPO) stimulates steroid production by aged brown Norway rat Leydig cells. 2013 , 154, 2156-65 | | 46 |
| 752 | In vivo radioligand binding to translocator protein correlates with severity of Alzheimer's disease. 2013 , 136, 2228-38 | | 232 |
| 751 | The translocator protein radioligand 18F-DPA-714 monitors antitumor effect of erufosine in a rat 9L intracranial glioma model. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 2125-31 | 8.9 | 34 |
| 750 | The translocator protein (TSPO) ligand PK11195 induces apoptosis and cell cycle arrest and sensitizes to chemotherapy treatment in pre- and post-relapse neuroblastoma cell lines. 2013 , 14, 319-26 | | 19 |
| 749 | Neurosteroids and GABAergic signaling in health and disease. 2013 , 4, 29-42 | | 40 |
| 748 | Metabolism and quantification of [(18)F]DPA-714, a new TSPO positron emission tomography radioligand. 2013 , 41, 122-31 | | 55 |
| 747 | Effect of diazepam on severity of acute pancreatitis: possible involvement of peripheral benzodiazepine receptors. 2013 , 2013, 484128 | | 3 |
| 746 | Pregnane xenobiotic receptors and membrane progestin receptors: role in neurosteroid-mediated motivated behaviours. 2013 , 25, 1002-11 | | 12 |
| 745 | Application of microPET imaging approaches in the study of pediatric anesthetic-induced neuronal toxicity. 2013 , 33, 861-8 | | 19 |
| 744 | Motivated behaviors and levels of 3β-OHP in the midbrain are attenuated by knocking down expression of pregnane xenobiotic receptor in the midbrain ventral tegmental area of proestrous rats. 2013 , 10, 1692-706 | | 13 |
| 743 | Are prescribed benzodiazepines likely to affect the availability of the 18 kDa translocator protein (TSPO) in PET studies?. 2013 , 67, 909-12 | | 16 |
| 742 | Central nervous system expression and PET imaging of the translocator protein in relapsing-remitting experimental autoimmune encephalomyelitis. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 291-8 | 8.9 | 31 |
| 741 | Etifoxine promotes glial-derived neurotrophic factor-induced neurite outgrowth in PC12 cells. 2013 , 8, 75-80 | | 13 |
| 740 | WITHDRAWN: Brain structural, neurochemical and neuroinflammatory markers of psychosis onset and relapse: Is there evidence for a psychosis relapse signature?. 2013 , | | 14 |
| 739 | Synthesis, Characterization, and Binding to the Translocator Protein (18 kDa, TSPO) of a New Rhenium Complex as a Model of Radiopharmaceutical Agents. 2013 , 639, 1606-1612 | | 13 |
| 738 | Hepatic Gene Expression Associated With Macrophage and Oxidative Stress of Simple Steatosis and Non-Alcoholic Steatohepatitis Model Rats Using DNA Microarray Analysis. 2013 , 01, | | |

| | | | |
|-----|--|-----|-----|
| 737 | The 18-kDa translocator protein (TSPO) disrupts mammary epithelial morphogenesis and promotes breast cancer cell migration. <i>PLoS ONE</i> , 2013 , 8, e71258 | 3.7 | 27 |
| 736 | Evolutionary origin of the mitochondrial cholesterol transport machinery reveals a universal mechanism of steroid hormone biosynthesis in animals. <i>PLoS ONE</i> , 2013 , 8, e76701 | 3.7 | 33 |
| 735 | Hippocampal glutamate NMDA receptor loss tracks progression in Alzheimer's disease: quantitative autoradiography in postmortem human brain. <i>PLoS ONE</i> , 2013 , 8, e81244 | 3.7 | 17 |
| 734 | Visualization of acute liver damage induced by cycloheximide in rats using PET with [(18)F]FEDAC, a radiotracer for translocator protein (18 kDa). <i>PLoS ONE</i> , 2014 , 9, e86625 | 3.7 | 24 |
| 733 | Targeting neurosteroidogenesis as therapy for PTSD. 2014 , 4, 166 | | 21 |
| 732 | ERAD and how viruses exploit it. 2014 , 5, 330 | | 52 |
| 731 | Novel receptor targets for production and action of allopregnanolone in the central nervous system: a focus on pregnane xenobiotic receptor. 2014 , 8, 106 | | 31 |
| 730 | Allopregnanolone and neuroinflammation: a focus on multiple sclerosis. 2014 , 8, 134 | | 56 |
| 729 | Ganaxolone improves behavioral deficits in a mouse model of post-traumatic stress disorder. 2014 , 8, 256 | | 64 |
| 728 | The pregnane xenobiotic receptor, a prominent liver factor, has actions in the midbrain for neurosteroid synthesis and behavioral/neural plasticity of female rats. 2014 , 8, 60 | | 10 |
| 727 | Effects of icariin on reproductive functions in male rats. <i>Molecules</i> , 2014 , 19, 9502-14 | 4.8 | 46 |
| 726 | Translocator Protein (18 kDa) Mapping with [125I]-CLINDE in the Quinolinic Acid Rat Model of Excitotoxicity: A Longitudinal Comparison with Microglial Activation, Astrogliosis, and Neuronal Death. 2014 , 13, 7290.2013.00075 | | 18 |
| 725 | Stress sensitivity in patients with atopic dermatitis in relation to the translocator protein 18 kDa (TSPO). 2014 , 81, 148-56 | | 6 |
| 724 | PK-11195: A POTENTIAL DRUG IN LEUKEMIA TREATMENT. 2014 , 5, 176-185 | | |
| 723 | Mitochondrial permeability transition as target of anticancer drugs. 2014 , 20, 223-44 | | 40 |
| 722 | Positron emission tomography and functional characterization of a complete PBR/TSPO knockout. 2014 , 5, 5452 | | 167 |
| 721 | In vivo quantification of cerebral translocator protein binding in humans using 6-chloro-2-(4'-123I-iodophenyl)-3-(N,N-diethyl)-imidazo[1,2-a]pyridine-3-acetamide SPECT. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1966-72 | 8.9 | 14 |
| 720 | Increased plasma levels of endozepines, endogenous ligands of benzodiazepine receptors, during systemic inflammation: a prospective observational study. 2014 , 18, 633 | | 11 |

| | | |
|-----|--|-----|
| 719 | Macroglia-microglia interactions via TSPO signaling regulates microglial activation in the mouse retina. 2014 , 34, 3793-806 | 138 |
| 718 | The translocator protein as a drug target in Alzheimer's disease. 2014 , 14, 439-48 | 18 |
| 717 | The combination of metyrapone and oxazepam for the treatment of cocaine and other drug addictions. 2014 , 69, 419-79 | 8 |
| 716 | The Arabidopsis abiotic stress-induced TSPO-related protein reduces cell-surface expression of the aquaporin PIP2;7 through protein-protein interactions and autophagic degradation. 2014 , 26, 4974-90 | 100 |
| 715 | Cholesterol Transporters of the START Domain Protein Family in Health and Disease. 2014 , | 1 |
| 714 | Structure-to-function relationships of bacterial translocator protein (TSPO): a focus on Pseudomonas. 2014 , 5, 631 | 10 |
| 713 | Detection of subclinical synovitis with macrophage targeting and positron emission tomography in patients with rheumatoid arthritis without clinical arthritis. 2014 , 41, 2145-52 | 21 |
| 712 | Radiopharmaceutical stem cell tracking for neurological diseases. 2014 , 2014, 417091 | 12 |
| 711 | Non-invasive imaging of vascular inflammation. 2014 , 5, 399 | 25 |
| 710 | The translocator protein as a potential molecular target for improved treatment efficacy in photodynamic therapy. 2014 , 6, 775-92 | 7 |
| 709 | Nonamyloid PET biomarkers and Alzheimer's disease: current and future perspectives. 2014 , 9, 597-613 | 2 |
| 708 | The 18 kDa translocator protein, microglia and neuroinflammation. 2014 , 24, 631-53 | 160 |
| 707 | Induction of androgen formation in the male by a TAT-VDAC1 fusion peptide blocking 14-3-3e protein adaptor and mitochondrial VDAC1 interactions. 2014 , 22, 1779-91 | 30 |
| 706 | Binding domain-driven intracellular trafficking of sterols for synthesis of steroid hormones, bile acids and oxysterols. 2014 , 15, 895-914 | 21 |
| 705 | Etifoxine provides benefits in nerve repair with acellular nerve grafts. 2014 , 50, 235-43 | 23 |
| 704 | Estradiol modulates translocator protein (TSPO) and steroid acute regulatory protein (StAR) via protein kinase A (PKA) signaling in hypothalamic astrocytes. 2014 , 155, 2976-85 | 43 |
| 703 | Steroidogenesis-adrenal cell signal transduction. 2014 , 4, 889-964 | 45 |
| 702 | Synthesis and evaluation of new (18)F-labelled acetamidobenzoxazolone-based radioligands for imaging of the translocator protein (18 kDa, TSPO) in the brain. 2014 , 12, 9621-30 | 22 |

| | | |
|-----|---|-----|
| 701 | Peripheral benzodiazepine receptor/translocator protein global knock-out mice are viable with no effects on steroid hormone biosynthesis. 2014 , 289, 27444-54 | 174 |
| 700 | Anxiolytic-like effects of YL-IPA08, a potent ligand for the translocator protein (18 kDa) in animal models of post-traumatic stress disorder. 2014 , 17, 1659-69 | 63 |
| 699 | Levels and actions of progesterone and its metabolites in the nervous system during physiological and pathological conditions. 2014 , 113, 56-69 | 93 |
| 698 | PET imaging of stroke-induced neuroinflammation in mice using [18F]PBR06. 2014 , 16, 109-17 | 37 |
| 697 | Translocator protein (18 kDa) (TSPO) is expressed in reactive retinal microglia and modulates microglial inflammation and phagocytosis. 2014 , 11, 3 | 142 |
| 696 | Role of pregnane xenobiotic receptor in the midbrain ventral tegmental area for estradiol- and 3β-OH-estrone-facilitated lordosis of female rats. 2014 , 231, 3365-74 | 6 |
| 695 | Antidepressant-like and anxiolytic-like effects of YL-IPA08, a potent ligand for the translocator protein (18 kDa). 2014 , 81, 116-25 | 50 |
| 694 | Preparation and evaluation of novel pyrazolo[1,5-a]pyrimidine acetamides, closely related to DPA-714, as potent ligands for imaging the TSPO 18kDa with PET. 2014 , 24, 1550-6 | 34 |
| 693 | Sub-acute intravenous administration of silver nanoparticles in male mice alters Leydig cell function and testosterone levels. 2014 , 45, 59-70 | 59 |
| 692 | Immunological Mechanisms and Therapies in Brain Injuries and Stroke. 2014 , | 2 |
| 691 | Sex differences in translocator protein 18 kDa (TSPO) in the heart: implications for imaging myocardial inflammation. 2014 , 7, 192-202 | 19 |
| 690 | Regional brain distribution of translocator protein using [(11)C]DPA-713 PET in individuals infected with HIV. 2014 , 20, 219-32 | 65 |
| 689 | Towards integrative gene functional similarity measurement. 2014 , 15 Suppl 2, S5 | 17 |
| 688 | Epistasis and allele specificity in the emergence of a stable polymorphism in Escherichia coli. 2014 , 343, 1366-9 | 84 |
| 687 | Structure of the mitochondrial translocator protein in complex with a diagnostic ligand. 2014 , 343, 1363-6 | 182 |
| 686 | Classics in chemical neuroscience: diazepam (valium). 2014 , 5, 253-60 | 116 |
| 685 | The role of allopregnanolone in depression and anxiety. 2014 , 113, 79-87 | 179 |
| 684 | Is brain gliosis a characteristic of chronic methamphetamine use in the human?. 2014 , 67, 107-18 | 28 |

| | | | |
|-----|---|---|----|
| 683 | Characterization of a novel acetamidobenzoxazolone-based PET ligand for translocator protein (18 kDa) imaging of neuroinflammation in the brain. <i>Journal of Neurochemistry</i> , 2014 , 129, 712-20 | 6 | 31 |
| 682 | Toward the functional oligomerization state of tryptophan-rich sensory proteins. 2014 , 23, 1154-60 | | 7 |
| 681 | [18F]DPA-C5yne, a novel fluorine-18-labelled analogue of DPA-714: radiosynthesis and preliminary evaluation as a radiotracer for imaging neuroinflammation with PET. 2014 , 57, 410-8 | | 9 |
| 680 | Anti-CD20 inhibits T cell-mediated pathology and microgliosis in the rat brain. 2014 , 1, 659-69 | | 11 |
| 679 | Genetic analysis of dTSPO, an outer mitochondrial membrane protein, reveals its functions in apoptosis, longevity, and Ab42-induced neurodegeneration. 2014 , 13, 507-18 | | 53 |
| 678 | Peptide targeting of mitochondria elicits testosterone formation. 2014 , 22, 1727-9 | | 3 |
| 677 | Facile synthesis of SSR180575 and discovery of 7-chloro-N,N,5-trimethyl-4-oxo-3-(6-[(18F]fluoropyridin-2-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole-1-acetamide), a potent pyridazinoindole ligand for PET imaging of TSPO in cancer. 2014 , 24, 4466-4471 | | 6 |
| 676 | A self-internalizing mitochondrial TSPO targeting imaging probe for fluorescence, MRI and EM. 2014 , 4, 9003-9011 | | 6 |
| 675 | Synthesis, characterization, and in vitro evaluation of new coordination complexes of platinum(II) and rhenium(I) with a ligand targeting the translocator protein (TSPO). 2014 , 43, 16252-64 | | 15 |
| 674 | Development of N-methyl-(2-arylquinolin-4-yl)oxypropanamides as leads to PET radioligands for translocator protein (18 kDa). 2014 , 57, 6240-51 | | 19 |
| 673 | The role of PBR/TSPO in steroid biosynthesis challenged. 2014 , 155, 6-9 | | 19 |
| 672 | On the role of the translocator protein (18-kDa) TSPO in steroid hormone biosynthesis. 2014 , 155, 15-20 | | 33 |
| 671 | Turn-ON fluorescent affinity labeling using a small bifunctional O-nitrobenzoxadiazole unit. 2014 , 5, 1021-1029 | | 54 |
| 670 | Structure-activity relationship refinement and further assessment of 4-phenylquinazoline-2-carboxamide translocator protein ligands as antiproliferative agents in human glioblastoma tumors. 2014 , 57, 2413-28 | | 32 |
| 669 | Carbenoxolone induces permeability transition pore opening in rat mitochondria via the translocator protein TSPO and connexin43. 2014 , 558, 87-94 | | 9 |
| 668 | The mitochondrial translocator protein, TSPO, inhibits HIV-1 envelope glycoprotein biosynthesis via the endoplasmic reticulum-associated protein degradation pathway. 2014 , 88, 3474-84 | | 32 |
| 667 | Glia and immune cell signaling in bipolar disorder: insights from neuropharmacology and molecular imaging to clinical application. 2014 , 4, e350 | | 68 |
| 666 | Synthesis and evaluation of translocator 18 kDa protein (TSPO) positron emission tomography (PET) radioligands with low binding sensitivity to human single nucleotide polymorphism rs6971. 2014 , 5, 963-71 | | 75 |

| | | | |
|-----|--|-----|-----|
| 665 | Tracking neuroinflammation in Alzheimer's disease: the role of positron emission tomography imaging. 2014 , 11, 120 | | 66 |
| 664 | Analysis of the transcriptome of <i>Marsdenia tenacissima</i> discovers putative polyoxypregnane glycoside biosynthetic genes and genetic markers. 2014 , 104, 186-93 | | 15 |
| 663 | Detection of microglial activation in an acute model of neuroinflammation using PET and radiotracers 11C-(R)-PK11195 and 18F-GE-180. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 466-72 | 8.9 | 110 |
| 662 | Endogenous benzodiazepine site peptide ligands operating bidirectionally in vivo in neurogenesis and thalamic oscillations. 2014 , 39, 1032-6 | | 8 |
| 661 | Promising potential of new generation translocator protein tracers providing enhanced contrast of arthritis imaging by positron emission tomography in a rat model of arthritis. 2014 , 16, R70 | | 27 |
| 660 | Could (18) F-DPA-714 PET imaging be interesting to use in the early post-stroke period?. 2014 , 4, 28 | | 35 |
| 659 | Preclinical imaging evaluation of novel TSPO-PET ligand 2-(5,7-Diethyl-2-(4-(2-[(18)F]fluoroethoxy)phenyl)pyrazolo[1,5-a]pyrimidin-3-yl)-N,N-diethylacetamide ([(18)F]VUIIS1008) in glioma. 2014 , 16, 813-20 | | 28 |
| 658 | The relationship between serial [(18) F]PBR06 PET imaging of microglial activation and motor function following stroke in mice. 2014 , 16, 821-9 | | 14 |
| 657 | Translocator protein ligand-PLGA conjugated nanoparticles for 5-fluorouracil delivery to glioma cancer cells. <i>Molecular Pharmaceutics</i> , 2014 , 11, 859-71 | 5.6 | 42 |
| 656 | Inflammation in Parkinson's Disease. 2014 , | | 3 |
| 655 | Synthesis, Characterization, and in Vitro Evaluation of a New TSPO-Selective Bifunctional Chelate Ligand. 2014 , 5, 685-9 | | 18 |
| 654 | Imaging brain inflammation in epilepsy. 2014 , 279, 238-52 | | 40 |
| 653 | Cytotoxic effect of hemin in colonic epithelial cell line: involvement of 18 kDa translocator protein (TSPO). 2014 , 107, 14-20 | | 13 |
| 652 | Translocator protein/peripheral benzodiazepine receptor is not required for steroid hormone biosynthesis. 2014 , 155, 89-97 | | 172 |
| 651 | The extra-adrenal effects of metyrapone and oxazepam on ongoing cocaine self-administration. 2014 , 1575, 45-54 | | 10 |
| 650 | Midazolam ameliorates the behavior deficits of a rat posttraumatic stress disorder model through dual 18 kDa translocator protein and central benzodiazepine receptor and neurosteroidogenesis. <i>PLoS ONE</i> , 2014 , 9, e101450 | 3.7 | 40 |
| 649 | In vivo mapping of vascular inflammation using the translocator protein tracer 18F-FEDAA1106. 2014 , 13, | | 24 |
| 648 | Screening of differentially expressed genes related to esophageal squamous cell carcinoma and functional analysis with DNA microarrays. 2014 , 44, 1163-70 | | 5 |

| | | | |
|-----|---|---|----|
| 647 | [18F]FPBMP: A potential new positron emission tomography radioligand for imaging of translocator protein (18 kDa) in peripheral organs of rats. 2015 , 5, 101447-101454 | | 10 |
| 646 | Translocator protein and new targets for neuroinflammation. <i>Clinical and Translational Imaging</i> , 2015 , 3, 391-402 | 2 | 19 |
| 645 | Midazolam as an anticonvulsant antidote for organophosphate intoxication--A pharmacotherapeutic appraisal. 2015 , 56, 813-21 | | 57 |
| 644 | Estradiol Membrane-Initiated Signaling and Female Reproduction. 2015 , 5, 1211-22 | | 30 |
| 643 | Utility of Translocator Protein (18 kDa) as a Molecular Imaging Biomarker to Monitor the Progression of Liver Fibrosis. 2015 , 5, 17327 | | 30 |
| 642 | Targeting mitochondrial energy metabolism with TSPO ligands. 2015 , 43, 537-42 | | 18 |
| 641 | Targeting the 18-kDa translocator protein: recent perspectives for neuroprotection. 2015 , 43, 559-65 | | 22 |
| 640 | Structure of the mammalian TSPO/PBR protein. 2015 , 43, 566-71 | | 24 |
| 639 | Translocator protein: pharmacology and steroidogenesis. 2015 , 43, 572-8 | | 29 |
| 638 | Quinazoline-based tricyclic compounds that regulate programmed cell death, induce neuronal differentiation, and are curative in animal models for excitotoxicity and hereditary brain disease. 2015 , 1, 15027 | | 20 |
| 637 | Microglial activation in the rat brain following chronic antipsychotic treatment at clinically relevant doses. 2015 , 25, 2098-107 | | 55 |
| 636 | TSPO imaging in stroke: from animal models to human subjects. <i>Clinical and Translational Imaging</i> , 2015 , 3, 423-435 | 2 | 9 |
| 635 | Conformational Flexibility in the Transmembrane Protein TSPO. 2015 , 21, 16555-63 | | 15 |
| 634 | Radiosynthesis and Preliminary Biological Evaluation of [18F]VC701, a Radioligand for Translocator Protein. 2015 , 14, | | 11 |
| 633 | Structural Integrity of the A147T Polymorph of Mammalian TSPO. 2015 , 16, 1483-9 | | 29 |
| 632 | Efficient tritiation of the translocator protein (18 kDa) selective ligand DPA-714. 2015 , 58, 1-6 | | 10 |
| 631 | [18F]FEBMP: Positron Emission Tomography Imaging of TSPO in a Model of Neuroinflammation in Rats, and in vitro Autoradiograms of the Human Brain. 2015 , 5, 961-9 | | 37 |
| 630 | Assessment of the Protection of Dopaminergic Neurons by an α 7 Nicotinic Receptor Agonist, PHA 543613 Using [(18)F]LBT-999 in a Parkinson's Disease Rat Model. 2015 , 2, 61 | | 23 |

- 629 Expression of the translocator protein (TSPO) from *Pseudomonas fluorescens* Pf0-1 requires the stress regulatory sigma factors AlgU and RpoH. **2015**, 6, 1023 4
- 628 The Tryptophan-Rich Sensory Protein (TSPO) is Involved in Stress-Related and Light-Dependent Processes in the Cyanobacterium *Fremyella diplosiphon*. **2015**, 6, 1393 15
- 627 The non-benzodiazepine anxiolytic drug etifoxine causes a rapid, receptor-independent stimulation of neurosteroid biosynthesis. *PLoS ONE*, **2015**, 10, e0120473 3.7 25
- 626 Positron Emission Tomography studies with [11C]PBR28 in the Healthy Rodent Brain: Validating SUV as an Outcome Measure of Neuroinflammation. *PLoS ONE*, **2015**, 10, e0125917 3.7 9
- 625 Radiosynthesis, In Vivo Biological Evaluation, and Imaging of Brain Lesions with [123I]-CLINME, a New SPECT Tracer for the Translocator Protein. **2015**, 2015, 729698 4
- 624 The mitochondrial translocator protein and arrhythmogenesis in ischemic heart disease. **2015**, 2015, 234104 21
- 623 Improved Automated Radiosynthesis of [(11)C]PBR28. **2015**, 83, 413-27 5
- 622 Conditional steroidogenic cell-targeted deletion of TSPO unveils a crucial role in viability and hormone-dependent steroid formation. **2015**, 112, 7261-6 99
- 621 Antiseizure Activity of Midazolam in Mice Lacking β Subunit Extrasynaptic GABA(A) Receptors. **2015**, 353, 517-28 26
- 620 Production of micro- and nanosilica from soil inhabiting *Folsomia candida* fed with treated rice husk. **2015**, 9, 215-9 3
- 619 Neuropathic pain mechanisms and imaging. **2015**, 19, 103-11 8
- 618 The development of mitochondrial membrane affinity chromatography columns for the study of mitochondrial transmembrane proteins. **2015**, 484, 154-61 6
- 617 Lost in translocation: the functions of the 18-kD translocator protein. **2015**, 26, 349-56 50
- 616 2-Phenylimidazo[1,2-a]pyridine-containing ligands of the 18-kDa translocator protein (TSPO) behave as agonists and antagonists of steroidogenesis in a mouse leydig tumor cell line. **2015**, 76, 231-7 15
- 615 Role of Microglia in Autism: Recent Advances. **2015**, 37, 195-202 73
- 614 Neuroactive steroids and the peripheral nervous system: An update. **2015**, 103, 23-30 36
- 613 Enhancing neurosteroid synthesis--relationship to the pharmacology of translocator protein (18 kDa) (TSPO) ligands and benzodiazepines. **2015**, 48, 72-7 41
- 612 Ambient Light Promotes Selective Subcellular Proteotoxicity after Endogenous and Exogenous Porphyrinogenic Stress. **2015**, 290, 23711-24 21

| | | | |
|-----|--|-----|-----|
| 611 | TSPO as a target for treatments of diseases, including neuropathological disorders. 2015 , 6, e1911 | | 21 |
| 610 | The estrogenic retina: The potential contribution to healthy aging and age-related neurodegenerative diseases of the retina. 2015 , 103, 31-41 | | 42 |
| 609 | Tumor mitochondria-targeted photodynamic therapy with a translocator protein (TSPO)-specific photosensitizer. 2015 , 28, 160-170 | | 49 |
| 608 | Investigation of TSPO variants in schizophrenia and antipsychotic treatment outcomes. 2015 , 16, 5-22 | | 13 |
| 607 | In vivo imaging and characterization of [(18F)DPA-714, a potential new TSPO ligand, in mouse brain and peripheral tissues using small-animal PET. 2015 , 42, 309-16 | | 50 |
| 606 | Amyloid load and translocator protein 18 kDa in APPswePS1-dE9 mice: a longitudinal study. 2015 , 36, 1639-1652 | | 39 |
| 605 | Comparison of standardized uptake values with volume of distribution for quantitation of [(11C)PBR28 brain uptake. 2015 , 42, 305-8 | | 16 |
| 604 | Obesity-induced down-regulation of the mitochondrial translocator protein (TSPO) impairs placental steroid production. 2015 , 100, E11-8 | | 49 |
| 603 | Identification of a key cholesterol binding enhancement motif in translocator protein 18 kDa. 2015 , 54, 1441-3 | | 26 |
| 602 | In vivo PET imaging demonstrates diminished microglial activation after fingolimod treatment in an animal model of multiple sclerosis. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 305-10 | 8.9 | 54 |
| 601 | Protein structure. Structure and activity of tryptophan-rich TSPO proteins. 2015 , 347, 551-5 | | 124 |
| 600 | Evidence for brain glial activation in chronic pain patients. 2015 , 138, 604-15 | | 292 |
| 599 | The pharmacotherapy of male hypogonadism besides androgens. 2015 , 16, 369-87 | | 26 |
| 598 | Differentiation and quantification of inflammation, demyelination and axon injury or loss in multiple sclerosis. 2015 , 138, 1223-38 | | 106 |
| 597 | [18F]DPA-714 PET imaging of translocator protein TSPO (18 kDa) in the normal and excitotoxically-lesioned nonhuman primate brain. 2015 , 42, 478-94 | | 40 |
| 596 | Predicting hepatotoxicity using ToxCast in vitro bioactivity and chemical structure. 2015 , 28, 738-51 | | 96 |
| 595 | Deepening the Topology of the Translocator Protein Binding Site by Novel N,N-Dialkyl-2-arylindol-3-ylglyoxylamides. 2015 , 58, 6081-92 | | 23 |
| 594 | Midazolam inhibits the hypoxia-induced up-regulation of erythropoietin in the central nervous system. 2015 , 761, 189-98 | | 4 |

| | | |
|-----|---|----|
| 593 | Synthesis and in vitro characterization of novel fluorinated derivatives of the TSPO 18 kDa ligand SSR180575. 2015 , 101, 736-45 | 5 |
| 592 | Cytotoxic mechanism related to dihydrolipoamide dehydrogenase in Leydig cells exposed to heavy metals. 2015 , 334, 22-32 | 18 |
| 591 | Enigmatic Translocator protein (TSPO) and cellular stress regulation. 2015 , 40, 497-503 | 39 |
| 590 | Multimodal imaging reveals temporal and spatial microglia and matrix metalloproteinase activity after experimental stroke. 2015 , 35, 1711-21 | 53 |
| 589 | The impact of luteinizing hormone and testosterone on beta amyloid (A β) accumulation: Animal and human clinical studies. 2015 , 76, 81-90 | 18 |
| 588 | Ether analogues of DPA-714 with subnanomolar affinity for the translocator protein (TSPO). 2015 , 93, 392-400 | 12 |
| 587 | TSPO the unrested: challenged opinions of a resourceful mitochondrial protein. 2015 , 26, 333-4 | 4 |
| 586 | Therapeutic actions of translocator protein (18 kDa) ligands in experimental models of psychiatric disorders and neurodegenerative diseases. 2015 , 154, 68-74 | 28 |
| 585 | Dihydrotestosterone as a Protective Agent in Chronic Experimental Autoimmune Encephalomyelitis. 2015 , 101, 296-308 | 28 |
| 584 | Prognostic role of translocator protein and oxidative stress markers in chronic lymphocytic leukemia patients treated with bendamustine plus rituximab. 2015 , 9, 1327-1332 | 3 |
| 583 | In vivo analysis of neuroinflammation in the late chronic phase after experimental stroke. 2015 , 292, 71-80 | 32 |
| 582 | Diazepam Inhibits Proliferation of Lymph Node Cells Isolated from Rats with Experimental Autoimmune Encephalomyelitis. 2015 , 22, 293-302 | 6 |
| 581 | Translocator proteins, porphyrins and abiotic stress: new light?. 2015 , 20, 261-263 | 6 |
| 580 | Radiosynthesis and in vivo evaluation of two imidazopyridineacetamides, [(11)C]CB184 and [(11)C]CB190, as a PET tracer for 18 kDa translocator protein: direct comparison with [(11)C](R)-PK11195. 2015 , 29, 325-35 | 16 |
| 579 | Design, synthesis and anxiolytic-like activity of 1-arylpyrrolo[1,2-a]pyrazine-3-carboxamides. 2015 , 23, 3368-78 | 16 |
| 578 | Sarin-induced brain damage in rats is attenuated by delayed administration of midazolam. 2015 , 49, 132-8 | 18 |
| 577 | ProteinLipid Interactions in the Brain. 2015 , 135-162 | |
| 576 | 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). 2015 , 99, 393-403 | 15 |

| | | | |
|-----|---|---|-----|
| 575 | Translocator protein-mediated pharmacology of cholesterol transport and steroidogenesis. 2015 , 408, 90-8 | | 81 |
| 574 | Pharmacological regulation of the cholesterol transport machinery in steroidogenic cells of the testis. 2015 , 98, 189-227 | | 30 |
| 573 | The changing landscape in translocator protein (TSPO) function. 2015 , 26, 341-8 | | 90 |
| 572 | Neurobiological correlates of social anxiety disorder: an update. 2015 , 20, 100-11 | | 29 |
| 571 | CX3CR1 is dysregulated in blood and brain from schizophrenia patients. 2015 , 168, 434-43 | | 33 |
| 570 | Imaging robust microglial activation after lipopolysaccharide administration in humans with PET. 2015 , 112, 12468-73 | | 218 |
| 569 | Comment on "Crystal structures of translocator protein (TSPO) and mutant mimic of a human polymorphism". 2015 , 350, 519 | | 5 |
| 568 | PET imaging of TSPO in a rat model of local neuroinflammation induced by intracerebral injection of lipopolysaccharide. 2015 , 42, 753-61 | | 37 |
| 567 | Translocator protein (18 kDa) as a pharmacological target in adipocytes to regulate glucose homeostasis. 2015 , 97, 99-110 | | 19 |
| 566 | Safety, Tolerability, and Pharmacokinetic Profile of the Novel Translocator Protein 18 kDa Antagonist ONO-2952 in Healthy Volunteers. 2015 , 37, 2071-84 | | 7 |
| 565 | Combined effect of G3139 and TSPO ligands on Ca(2+)-induced permeability transition in rat brain mitochondria. 2015 , 587, 70-7 | | 16 |
| 564 | First Demonstration of Positive Allosteric-like Modulation at the Human Wild Type Translocator Protein (TSPO). 2015 , 58, 8743-9 | | 10 |
| 563 | Imaging neuroinflammation in multiple sclerosis using TSPO-PET. <i>Clinical and Translational Imaging</i> , 2015 , 3, 461-473 | 2 | 32 |
| 562 | Cytochrome P450 and myocardial ischemia: potential pharmacological implication for cardioprotection. 2015 , 29, 1-9 | | 6 |
| 561 | Translocator protein mediates the anxiolytic and antidepressant effects of midazolam. 2015 , 139, 77-83 | | 15 |
| 560 | Analytical challenges for measuring steroid responses to stress, neurodegeneration and injury in the central nervous system. 2015 , 103, 42-57 | | 30 |
| 559 | Anti-stress effects of ONO-2952, a novel translocator protein 18 kDa antagonist, in rats. 2015 , 99, 51-66 | | 11 |
| 558 | The Mitochondrial Permeability Transition Pore: Channel Formation by F-ATP Synthase, Integration in Signal Transduction, and Role in Pathophysiology. 2015 , 95, 1111-55 | | 376 |

| | | |
|-----|--|-----|
| 557 | Steroidogenesis in plants--Biosynthesis and conversions of progesterone and other pregnane derivatives. 2015 , 103, 145-52 | 15 |
| 556 | Neuroinflammation and brain atrophy in former NFL players: An in vivo multimodal imaging pilot study. 2015 , 74, 58-65 | 160 |
| 555 | The mitochondrial voltage-dependent anion channel 1 in tumor cells. 2015 , 1848, 2547-75 | 161 |
| 554 | Construction and validation of an atomic model for bacterial TSPO from electron microscopy density, evolutionary constraints, and biochemical and biophysical data. 2015 , 1848, 568-80 | 13 |
| 553 | Apoptosis therapy in cancer: the first single-molecule co-activating p53 and the translocator protein in glioblastoma. 2014 , 4, 4749 | 50 |
| 552 | Double Application of Translocator Protein Ligands and RAW Cells Inflammatory Milieu. 2016 , 12, 56-60 | |
| 551 | Tetrapyrroles as Endogenous TSPO Ligands in Eukaryotes and Prokaryotes: Comparisons with Synthetic Ligands. 2016 , 17, | 28 |
| 550 | TSPO PIGA Ligands Promote Neurosteroidogenesis and Human Astrocyte Well-Being. 2016 , 17, | 23 |
| 549 | Imaging Alzheimer's disease pathophysiology with PET. 2016 , 10, 79-90 | 21 |
| 548 | Expression of Phenotypic Astrocyte Marker Is Increased in a Transgenic Mouse Model of Alzheimer's Disease versus Age-Matched Controls: A Presymptomatic Stage Study. 2016 , 2016, 5696241 | 12 |
| 547 | Adrenal Mitochondria and Steroidogenesis: From Individual Proteins to Functional Protein Assemblies. 2016 , 7, 106 | 52 |
| 546 | Linking Activation of Microglia and Peripheral Monocytic Cells to the Pathophysiology of Psychiatric Disorders. 2016 , 10, 144 | 33 |
| 545 | Overexpression of PRL7D1 in Leydig Cells Causes Male Reproductive Dysfunction in Mice. 2016 , 17, | 1 |
| 544 | TSPO Ligand-Methotrexate Prodrug Conjugates: Design, Synthesis, and Biological Evaluation. 2016 , 17, | 6 |
| 543 | 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. 2016 , 17, | 9 |
| 542 | Regulation of Translocator Protein 18 kDa (TSPO) Expression in Rat and Human Male Germ Cells. 2016 , 17, | 3 |
| 541 | Augmented expression of TSPO after intracerebral hemorrhage: a role in inflammation?. 2016 , 13, 151 | 54 |
| 540 | Systematic Analysis of Translocator Protein 18 kDa (TSPO) Ligands on Toll-like Receptors-mediated Pro-inflammatory Responses in Microglia and Astrocytes. 2016 , 25, 262-268 | 17 |

| | | |
|-----|--|----|
| 539 | Drug Development in Alzheimer's Disease: The Contribution of PET and SPECT. 2016 , 7, 88 | 20 |
| 538 | Lentiviral-Mediated Overexpression of the 18 kDa Translocator Protein (TSPO) in the Hippocampal Dentate Gyrus Ameliorates LPS-Induced Cognitive Impairment in Mice. 2016 , 7, 384 | 23 |
| 537 | Transcriptional Regulation of Tetrapyrrole Biosynthetic Genes Explains Abscisic Acid-Induced Heme Accumulation in the Unicellular Red Alga <i>Cyanidioschyzon merolae</i> . 2016 , 7, 1300 | 4 |
| 536 | A novel translocator protein 18 kDa ligand, ZBD-2, exerts neuroprotective effects against acute spinal cord injury. 2016 , 43, 930-8 | 7 |
| 535 | Spinal translocator protein alleviates chronic neuropathic pain behavior and modulates spinal astrocyte-neuronal function in rats with L5 spinal nerve ligation model. 2016 , 157, 103-116 | 40 |
| 534 | Extrastriatal spreading of microglial activation in Parkinson's disease: a positron emission tomography study. 2016 , 30, 579-87 | 65 |
| 533 | In Vivo Monitoring of Sevoflurane-induced Adverse Effects in Neonatal Nonhuman Primates Using Small-animal Positron Emission Tomography. 2016 , 125, 133-46 | 39 |
| 532 | ACBD2/ECI2-Mediated Peroxisome-Mitochondria Interactions in Leydig Cell Steroid Biosynthesis. 2016 , 30, 763-82 | 53 |
| 531 | Detection of Neuroinflammation in a Rat Model of Subarachnoid Hemorrhage Using [18F]DPA-714 PET Imaging. 2016 , 15, | 14 |
| 530 | A mirror code for protein-cholesterol interactions in the two leaflets of biological membranes. 2016 , 6, 21907 | 81 |
| 529 | Plasma Membrane Origin of the Steroidogenic Pool of Cholesterol Used in Hormone-induced Acute Steroid Formation in Leydig Cells. 2016 , 291, 26109-26125 | 33 |
| 528 | Novel Pyrrolo[1,2-a]Pyrazines (TSPO Ligands) with Anxiolytic Activity Dependent on Neurosteroid Biosynthesis. 2016 , 50, 501-504 | 13 |
| 527 | Design and Synthesis of Phenoxyethyl Acetamide or Aryl-oxodihydropurine Derivatives for the Development of Novel PET Ligands Targeting the Translocator Protein 18 kDa (TSPO). 2016 , 37, 1874-1877 | 2 |
| 526 | The effects of PK11195 on the MCF-7 and T47D were associated with the allopregnanolone biosynthesis, which was mediated by Translocator Protein 18 kDa. 2016 , 17, 11-6 | 4 |
| 525 | A Novel PET Imaging Probe for the Detection and Monitoring of Translocator Protein 18 kDa Expression in Pathological Disorders. 2016 , 6, 20422 | 38 |
| 524 | Design, synthesis and biological evaluation of methyl-2-(2-(5-bromo benzoxazolone)acetamido)-3-(1H-indol-3-yl)propanoate: TSPO ligand for SPECT. 2016 , 6, 114491-114499 | 9 |
| 523 | Preclinical and first-in-man studies of [(11C)CB184 for imaging the 18-kDa translocator protein by positron emission tomography. 2016 , 30, 534-43 | 9 |
| 522 | PET-CT and PET-MRI in Neurology. 2016 , | 2 |

| | | | |
|-----|--|-----|-----|
| 521 | Pharmacokinetic Analysis of 11C-PBR28 in the Rat Model of Herpes Encephalitis: Comparison with (R)-11C-PK11195. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 785-91 | 8.9 | 17 |
| 520 | Efficient radiosynthesis and non-clinical safety tests of the TSPO radioprobe [(18)F]FEDAC: Prerequisites for clinical application. 2016 , 43, 445-53 | | 7 |
| 519 | Lead Optimization of 2-Phenylindolylglyoxylyldipeptide Murine Double Minute (MDM)2/Translocator Protein (TSPO) Dual Inhibitors for the Treatment of Gliomas. 2016 , 59, 4526-38 | | 21 |
| 518 | A glimpse of environmental plant science in China. 2016 , 129, 1-3 | | |
| 517 | Alteration in the concentrations of Interleukin-7 (IL-7), Interleukin-10 (IL-10) and Granulocyte Colony Stimulating Factor (G-CSF) in alcohol-dependent individuals without liver disease, during detoxification therapy. 2016 , 163, 77-83 | | 10 |
| 516 | Translocator Protein 18 kDa (TSPO): An Old Protein with New Functions?. 2016 , 55, 2821-31 | | 81 |
| 515 | Reducing VDAC1 expression induces a non-apoptotic role for pro-apoptotic proteins in cancer cell differentiation. 2016 , 1857, 1228-1242 | | 19 |
| 514 | Neuroactive steroids, nociception and neuropathic pain: A flashback to go forward. 2016 , 110, 77-87 | | 14 |
| 513 | Spermatogenesis in humans and its affecting factors. 2016 , 59, 10-26 | | 164 |
| 512 | TSPO Finds NOX2 in Microglia for Redox Homeostasis. <i>Trends in Pharmacological Sciences</i> , 2016 , 37, 334-343 | 343 | 45 |
| 511 | In vivo PET imaging of the neuroinflammatory response in rat spinal cord injury using the TSPO tracer [(18)F]GE-180 and effect of docosahexaenoic acid. 2016 , 43, 1710-22 | | 19 |
| 510 | A translocator protein 18 kDa ligand, Ro5-4864, inhibits ATP-induced NLRP3 inflammasome activation. 2016 , 474, 587-593 | | 26 |
| 509 | Translocator protein (TSPO) ligands for the diagnosis or treatment of neurodegenerative diseases: a patent review (2010-2015; part 1). 2016 , 26, 1325-1351 | | 26 |
| 508 | Translocator Protein (TSPO) Expression in Platelets of Depressed Patients Decreases during Antidepressant Therapy. 2016 , 49, 204-209 | | 9 |
| 507 | Evaluation of acetylcholine, seizure activity and neuropathology following high-dose nerve agent exposure and delayed neuroprotective treatment drugs in freely moving rats. 2016 , 26, 378-88 | | 13 |
| 506 | Translocator protein ligands based on N-methyl-(quinolin-4-yl)oxypropanamides with properties suitable for PET radioligand development. 2016 , 124, 677-688 | | 1 |
| 505 | TSPO imaging in parkinsonian disorders. <i>Clinical and Translational Imaging</i> , 2016 , 4, 183-190 | 2 | 40 |
| 504 | Neurosteroidogenesis Today: Novel Targets for Neuroactive Steroid Synthesis and Action and Their Relevance for Translational Research. 2016 , 28, 12351 | | 97 |

| | | |
|-----|--|----|
| 503 | The antidepressant-like activity of AC-5216, a ligand for 18kDa translocator protein (TSPO), in an animal model of diabetes mellitus. 2016 , 6, 37345 | 20 |
| 502 | Noninvasive Brain Imaging in Small Animal Stroke Models: MRI, PET, and SPECT. 2016 , 147-186 | 1 |
| 501 | Interactions between inflammation, sex steroids, and Alzheimer's disease risk factors. 2016 , 43, 60-82 | 57 |
| 500 | Exploring the neural mechanisms of finasteride: a proteomic analysis in the nucleus accumbens. 2016 , 74, 387-396 | 12 |
| 499 | TSPO ligands stimulate ZnPPiX transport and ROS accumulation leading to the inhibition of <i>P. falciparum</i> growth in human blood. 2016 , 6, 33516 | 17 |
| 498 | New structure-activity relationships of N-acetamide substituted pyrazolopyrimidines as pharmacological ligands of TSPO. 2016 , 26, 3472-7 | 6 |
| 497 | In vivo evidence of a functional association between immune cells in blood and brain in healthy human subjects. 2016 , 54, 149-157 | 36 |
| 496 | Temporal changes in the expression of the translocator protein TSPO and the steroidogenic enzyme 5 α -reductase in the dorsal spinal cord of animals with neuropathic pain: Effects of progesterone administration. 2016 , 624, 23-8 | 13 |
| 495 | In vivo imaging of microglial activation by positron emission tomography with [(11)C]PBR28 in the 5XFAD model of Alzheimer's disease. 2016 , 64, 993-1006 | 53 |
| 494 | Elevated Neurosteroids in the Lateral Thalamus Relieve Neuropathic Pain in Rats with Spared Nerve Injury. 2016 , 32, 311-22 | 13 |
| 493 | Acute neuroinflammation in a clinically relevant focal cortical ischemic stroke model in rat: longitudinal positron emission tomography and immunofluorescent tracking. 2016 , 221, 1279-90 | 41 |
| 492 | Mitochondrial drug targets in neurodegenerative diseases. 2016 , 26, 714-720 | 19 |
| 491 | Imaging the role of toll-like receptor 4 on cell proliferation and inflammation after cerebral ischemia by positron emission tomography. 2016 , 36, 702-8 | 15 |
| 490 | Involvement of allopregnanolone in the anti-PTSD-like effects of AC-5216. 2016 , 30, 474-81 | 24 |
| 489 | 4'-Chlorodiazepam is neuroprotective against amyloid-beta through the modulation of survivin and bax protein expression in vitro. 2016 , 1632, 91-7 | 9 |
| 488 | Advances in PET Imaging of Degenerative, Cerebrovascular, and Traumatic Causes of Dementia. 2016 , 46, 57-87 | 11 |
| 487 | AtTSPO, a translocator protein, in stress responses in Arabidopsis. 2016 , 129, 13-22 | 4 |
| 486 | Bioconcentration and endocrine disruption effects of diazepam in channel catfish, <i>Ictalurus punctatus</i> . 2016 , 183-184, 46-52 | 14 |

| | | | |
|-----|--|-----|------|
| 485 | The Next Generation of Platinum Drugs: Targeted Pt(II) Agents, Nanoparticle Delivery, and Pt(IV) Prodrugs. 2016 , 116, 3436-86 | | 1339 |
| 484 | Neuroinflammation in treated HIV-positive individuals: A TSPO PET study. 2016 , 86, 1425-1432 | | 93 |
| 483 | Radiopharmaceuticals for PET imaging of neuroinflammation. 2016 , 40, 72-81 | | 4 |
| 482 | TSPO ligand PK11195 alleviates neuroinflammation and beta-amyloid generation induced by systemic LPS administration. 2016 , 121, 192-200 | | 31 |
| 481 | TSPO: kaleidoscopic 18-kDa amid biochemical pharmacology, control and targeting of mitochondria. <i>Biochemical Journal</i> , 2016 , 473, 107-21 | 3.8 | 55 |
| 480 | Mitochondrial translocator protein (TSPO): From physiology to cardioprotection. 2016 , 105, 1-13 | | 49 |
| 479 | Activity-triggered tetrapartite neuron-glia interactions following peripheral injury. 2016 , 26, 16-25 | | 31 |
| 478 | Backbone and side-chain resonance assignment of the A147T polymorph of mouse TSPO in complex with a high-affinity radioligand. 2016 , 10, 79-83 | | 7 |
| 477 | Test-retest reproducibility of [(11)C]PBR28 binding to TSPO in healthy control subjects. 2016 , 43, 173-183 | | 89 |
| 476 | [Psychopharmacology of anxiety and depression: Historical aspects, current treatments and perspectives]. 2016 , 74, 93-118 | | 6 |
| 475 | GABAergic modulation with classical benzodiazepines prevent stress-induced neuro-immune dysregulation and behavioral alterations. 2016 , 51, 154-168 | | 55 |
| 474 | Evaluation of PET Imaging Performance of the TSPO Radioligand [18F]DPA-714 in Mouse and Rat Models of Cancer and Inflammation. 2016 , 18, 127-34 | | 10 |
| 473 | Microglial phenotypes in Parkinson's disease and animal models of the disease. 2017 , 155, 57-75 | | 143 |
| 472 | 4'-Chlorodiazepam modulates the development of primary hippocampal neurons in a sex-dependent manner. 2017 , 639, 98-102 | | 1 |
| 471 | Anxiolytic effects of hippocampal neurosteroids in normal and neuropathic rats with spared nerve injury. <i>Journal of Neurochemistry</i> , 2017 , 141, 137-150 | 6 | 15 |
| 470 | PET brain imaging in HIV-associated neurocognitive disorders (HAND) in the era of combination antiretroviral therapy. 2017 , 44, 895-902 | | 18 |
| 469 | Effect of ZBD-2 on chronic pain, depressive-like behaviors, and recovery of motor function following spinal cord injury in mice. 2017 , 322, 92-99 | | 15 |
| 468 | Subcellular distribution of the 18kDa translocator protein and transcript variant PBR-S in human cells. 2017 , 613, 45-56 | | 4 |

| | | |
|-----|---|-----|
| 467 | Modified benzoxazolone derivative as 18-kDa TSPO ligand. 2017 , 90, 511-519 | 7 |
| 466 | Effect of Cigarette Smoking on a Marker for Neuroinflammation: A [C]DAA1106 Positron Emission Tomography Study. 2017 , 42, 1630-1639 | 33 |
| 465 | Neuroinflammation in Neurodegenerative Disorders-a Review. 2017 , 17, 25 | 155 |
| 464 | Brain translocator protein occupancy by ONO-2952 in healthy adults: A Phase 1 PET study using [C]PBR28. 2017 , 71, e21970 | 6 |
| 463 | Functional gains in energy and cell metabolism after TSPO gene insertion. 2017 , 16, 436-447 | 42 |
| 462 | Development of a F-Labeled Radiotracer with Improved Brain Kinetics for Positron Emission Tomography Imaging of Translocator Protein (18 kDa) in Ischemic Brain and Glioma. 2017 , 60, 4047-4061 | 15 |
| 461 | Molecular Basis for Mitochondrial Signaling. 2017 , | 3 |
| 460 | Beta-Blocker Drug Use and Survival among Patients with Pancreatic Adenocarcinoma. 2017 , 77, 3700-3707 | 47 |
| 459 | 4'-Chlorodiazepam is neuroprotective against amyloid-beta in organotypic hippocampal cultures. 2017 , 171, 281-287 | 9 |
| 458 | Residence Time, a New parameter to Predict Neurosteroidogenic Efficacy of Translocator Protein (TSPO) Ligands: the Case Study of N,N-Dialkyl-2-arylindol-3-ylglyoxylamides. 2017 , 12, 1275-1278 | 8 |
| 457 | Neurosteroid biosynthesis down-regulation and changes in GABA receptor subunit composition: a biomarker axis in stress-induced cognitive and emotional impairment. 2017 , 174, 3226-3241 | 79 |
| 456 | Microglial positron emission tomography (PET) imaging in epilepsy: Applications, opportunities and pitfalls. 2017 , 44, 42-47 | 15 |
| 455 | Short-term effects of diabetes on neurosteroidogenesis in the rat hippocampus. 2017 , 167, 135-143 | 19 |
| 454 | The 18 kDa Translocator Protein (TSPO): Cholesterol Trafficking and the Biology of a Prognostic and Therapeutic Mitochondrial Target. 2017 , 285-315 | 2 |
| 453 | Neuroimaging studies of GABA in schizophrenia: a systematic review with meta-analysis. 2017 , 7, e1147 | 83 |
| 452 | A Facile Radiolabeling of [F]FDPA via Spirocyclic Iodonium Ylides: Preliminary PET Imaging Studies in Preclinical Models of Neuroinflammation. 2017 , 60, 5222-5227 | 31 |
| 451 | Differential effects of the 18-kDa translocator protein (TSPO) ligand etifoxine on steroidogenesis in rat brain, plasma and steroidogenic glands: Pharmacodynamic studies. 2017 , 83, 122-134 | 19 |
| 450 | QSAR modeling and combinatorial library generation of 4-phenylquinazoline-2-carboxamide derivatives as antiproliferative agents in human Glioblastoma tumors. 2017 , 69, 147-152 | 1 |

| | | |
|-----|--|--------|
| 449 | Diazepam Binding Inhibitor Promotes Stem Cell Expansion Controlling Environment-Dependent Neurogenesis. 2017 , 94, 125-137.e5 | 36 |
| 448 | Metal complexes targeting the Translocator Protein 18 kDa (TSPO). 2017 , 341, 1-18 | 16 |
| 447 | Cholesterol-mediated allosteric regulation of the mitochondrial translocator protein structure. 2017 , 8, 14893 | 52 |
| 446 | Protoporphyrin IX regulates peripheral benzodiazepine receptor associated protein 7 (PAP7) and divalent metal transporter 1 (DMT1) in K562 cells. 2017 , 10, 26-31 | |
| 445 | Randomised clinical trial: exploratory phase 2 study of ONO-2952 in diarrhoea-predominant irritable bowel syndrome. 2017 , 45, 14-26 | 7 |
| 444 | A Cu(ii) complex targeting the translocator protein: in vitro and in vivo antitumor potential and mechanistic insights. 2016 , 53, 134-137 | 22 |
| 443 | Tryptophan-Rich Sensory Protein/Translocator Protein (TSPO) from Cyanobacterium <i>Fremyella diplosiphon</i> Binds a Broad Range of Functionally Relevant Tetrapyrroles. 2017 , 56, 73-84 | 7 |
| 442 | The ligands of translocator protein inhibit human Th1 responses and the rejection of murine skin allografts. 2017 , 131, 297-308 | 3 |
| 441 | Recent Developments in Molecular Brain Imaging of Neuropsychiatric Disorders. 2017 , 47, 54-63 | 13 |
| 440 | Diazepam treatment reduces inflammatory cells and mediators in the central nervous system of rats with experimental autoimmune encephalomyelitis. 2017 , 313, 145-151 | 9 |
| 439 | The translocator protein (18kDa) and its role in neuropsychiatric disorders. 2017 , 83, 183-199 | 18 |
| 438 | Non-26S Proteasome Endomembrane Trafficking Pathways in ABA Signaling. 2017 , 22, 976-985 | 26 |
| 437 | Exploiting the 4-Phenylquinazoline Scaffold for the Development of High Affinity Fluorescent Probes for the Translocator Protein (TSPO). 2017 , 60, 7897-7909 | 8 |
| 436 | Time Courses of Cortical Glucose Metabolism and Microglial Activity Across the Life Span of Wild-Type Mice: A PET Study. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1984-1990 | 8.9 27 |
| 435 | Highlights of articles published in annals of nuclear medicine 2016. 2017 , 44, 1928-1933 | 3 |
| 434 | Bridging Pharmaceutical Chemistry with Drug and Nanoparticle Targeting to Investigate the Role of the 18-kDa Translocator Protein TSPO. 2017 , 12, 1261-1274 | 11 |
| 433 | Discovery of Imidazoquinazolinone Derivatives as TSPO Ligands Modulating Neurosteroidogenesis and Cellular Bioenergetics in Neuroblastoma Cells Expressing Amyloid Precursor Protein. 2017 , 2, 6452-6457 | 7 |
| 432 | mutations in rats and a human polymorphism impair the rate of steroid synthesis. <i>Biochemical Journal</i> , 2017 , 474, 3985-3999 | 3.8 61 |

| | | | |
|-----|--|-----|-----|
| 431 | Effect of Preventive and Curative Fingolimod Treatment Regimens on Microglia Activation and Disease Progression in a Rat Model of Multiple Sclerosis. 2017 , 12, 521-530 | | 5 |
| 430 | Recent Progress in the Development of TSPO PET Ligands for Neuroinflammation Imaging in Neurological Diseases. 2017 , 51, 283-296 | | 56 |
| 429 | Assessment of safety, efficacy, and dosimetry of a novel 18-kDa translocator protein ligand, [C]CB184, in healthy human volunteers. 2017 , 7, 26 | | 4 |
| 428 | Overexpression of the 18 kDa translocator protein (TSPO) in the hippocampal dentate gyrus produced anxiolytic and antidepressant-like behavioural effects. 2017 , 125, 117-128 | | 21 |
| 427 | Evaluation of TSPO PET Ligands [F]VUIIS1009A and [F]VUIIS1009B: Tracers for Cancer Imaging. 2017 , 19, 578-588 | | 12 |
| 426 | The Variability of Translocator Protein Signal in Brain and Blood of Genotyped Healthy Humans Using In Vivo I-CLINDE SPECT Imaging: A Test-Retest Study. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 989-995 | 8.9 | 5 |
| 425 | Imaging of microglial activation in MS using PET: Research use and potential future clinical application. 2017 , 23, 496-504 | | 19 |
| 424 | Tissue-based quantitative proteome analysis of human hepatocellular carcinoma using tandem mass tags. 2017 , 22, 113-122 | | 6 |
| 423 | Derivatives of the pyrazolo[1,5-a]pyrimidine acetamide DPA-713 as translocator protein (TSPO) ligands and pro-apoptotic agents in human glioblastoma. 2017 , 96, 186-192 | | 11 |
| 422 | Synthesis and in vitro characterization of novel fluorinated derivatives of the translocator protein 18 kDa ligand CFO-DPA-714. 2017 , 125, 346-359 | | 6 |
| 421 | Biological markers for anxiety disorders, OCD and PTSD: A consensus statement. Part II: Neurochemistry, neurophysiology and neurocognition. 2017 , 18, 162-214 | | 143 |
| 420 | ¹¹ C-ER176, a Radioligand for 18-kDa Translocator Protein, Has Adequate Sensitivity to Robustly Image All Three Affinity Genotypes in Human Brain. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 320-325 | 8.9 | 115 |
| 419 | Determination and reduction of translocator protein (TSPO) ligand rs6971 discrimination. 2017 , 8, 202-210 | | 10 |
| 418 | Comparative Evaluation of Three TSPO PET Radiotracers in a LPS-Induced Model of Mild Neuroinflammation in Rats. 2017 , 19, 77-89 | | 49 |
| 417 | TSPO imaging using the novel PET ligand [F]GE-180: quantification approaches in patients with multiple sclerosis. 2017 , 7, 89 | | 40 |
| 416 | Ecdysteroid Chemistry and Biochemistry ?. 2017 , | | 2 |
| 415 | In Vivo Imaging in Rodents. 2017 , 197-215 | | |
| 414 | [F]GE-180 PET Detects Reduced Microglia Activation After LM11A-31 Therapy in a Mouse Model of Alzheimer's Disease. 2017 , 7, 1422-1436 | | 44 |

| | | | |
|-----|--|-----|-----|
| 413 | A specific dietary intervention to restore brain structure and function after ischemic stroke. 2017 , 7, 493-512 | | 38 |
| 412 | Application of Solution NMR to Structural Studies on Helical Integral Membrane Proteins. <i>Molecules</i> , 2017 , 22, | 4.8 | 11 |
| 411 | Translocator Protein-18 kDa (TSPO) Positron Emission Tomography (PET) Imaging and Its Clinical Impact in Neurodegenerative Diseases. 2017 , 18, | | 111 |
| 410 | Rodent Models of Non-classical Progesterone Action Regulating Ovulation. 2017 , 8, 165 | | 27 |
| 409 | Microglial Activation in Traumatic Brain Injury. 2017 , 9, 208 | | 192 |
| 408 | TSPO PET Imaging: From Microglial Activation to Peripheral Sterile Inflammatory Diseases?. 2017 , 2017, 6592139 | | 22 |
| 407 | Adrenal Oncocytic Neoplasm with Paradoxical Loss of Important Mitochondrial Steroidogenic Protein: The 18 kDa Translocator Protein. 2017 , 2017, 6734695 | | 2 |
| 406 | Progesterone: Synthesis, Metabolism, Mechanism of Action, and Effects in the Nervous System. 2017 , 215-244 | | 3 |
| 405 | Molecular Targets for PET Imaging of Activated Microglia: The Current Situation and Future Expectations. 2017 , 18, | | 82 |
| 404 | Classical and Novel TSPO Ligands for the Mitochondrial TSPO Can Modulate Nuclear Gene Expression: Implications for Mitochondrial Retrograde Signaling. 2017 , 18, | | 37 |
| 403 | [F]FEPPA: Improved Automated Radiosynthesis, Binding Affinity, and Preliminary in Vitro Evaluation in Colorectal Cancer. 2018 , 9, 177-181 | | 10 |
| 402 | CRISPR/Cas9-Mediated Tspo Gene Mutations Lead to Reduced Mitochondrial Membrane Potential and Steroid Formation in MA-10 Mouse Tumor Leydig Cells. 2018 , 159, 1130-1146 | | 35 |
| 401 | Midazolam inhibits chondrogenesis via peripheral benzodiazepine receptor in human mesenchymal stem cells. 2018 , 22, 2896-2907 | | 4 |
| 400 | Evaluation of the novel TSPO radiotracer 2-(7-butyl-2-(4-(2-([F]fluoroethoxy)phenyl)-5-methylpyrazolo[1,5-a]pyrimidin-3-yl)-N,N-diethylacetamide in a preclinical model of neuroinflammation. 2018 , 150, 1-8 | | 7 |
| 399 | Connections of annexin A1 and translocator protein-18 kDa on toll like receptor stimulated BV-2 cells. 2018 , 367, 282-290 | | 5 |
| 398 | Advancements in drug development for diarrhea-predominant irritable bowel syndrome. 2018 , 27, 251-263 | | 4 |
| 397 | Functional TSPO polymorphism predicts variance in the diurnal cortisol rhythm in bipolar disorder. 2018 , 89, 194-202 | | 12 |
| 396 | Sifting through the surfeit of neuroinflammation tracers. 2018 , 38, 204-224 | | 70 |

| | | | |
|-----|---|------|-----|
| 395 | TSPO regulation in reactive gliotic diseases. 2018 , 96, 978-988 | | 8 |
| 394 | Translocator Protein as an Imaging Marker of Macrophage and Stromal Activation in Rheumatoid Arthritis Pannus. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 1125-1132 | 8.9 | 35 |
| 393 | Dynamic Adaptation in Neurosteroid Networks in Response to Alcohol. 2018 , 248, 55-78 | | 7 |
| 392 | Neuroinflammation in Huntington's Disease: New Insights with C-PBR28 PET/MRI. 2018 , 9, 2563-2571 | | 36 |
| 391 | Microglial Activation on 11C-CB184 PET in a Patient With Cerebellar Ataxia Associated With HIV Infection. 2018 , 43, e82-e84 | | 2 |
| 390 | Leydig cells: formation, function, and regulation. 2018 , 99, 101-111 | | 153 |
| 389 | The emergence of new psychoactive substance (NPS) benzodiazepines: A review. 2018 , 10, 37-53 | | 52 |
| 388 | Translational evaluation of translocator protein as a marker of neuroinflammation in schizophrenia. <i>Molecular Psychiatry</i> , 2018 , 23, 323-334 | 15.1 | 129 |
| 387 | C-DPA-713 has much greater specific binding to translocator protein 18 kDa (TSPO) in human brain than C-(R)-PK11195. 2018 , 38, 393-403 | | 39 |
| 386 | Molecular imaging of neuroinflammation in Alzheimer's disease and mild cognitive impairment. 2018 , 80, 123-131 | | 53 |
| 385 | Translocator protein (18 kDa): an update on its function in steroidogenesis. 2018 , 30, e12500 | | 68 |
| 384 | Antidepressant-like effect of fluoxetine may depend on translocator protein activity and pretest session duration in forced swimming test in mice. 2018 , 29, 375-378 | | 5 |
| 383 | Endogenous neurosteroids influence synaptic GABA receptors during postnatal development. 2018 , 30, e12537 | | 9 |
| 382 | Steroidogenic abnormalities in translocator protein knockout mice and significance in the aging male. <i>Biochemical Journal</i> , 2018 , 475, 75-85 | 3.8 | 40 |
| 381 | 18 kDa Translocator Protein in Mitochondria-Related Pathology: The Case of Traumatic Brain Injury. 2018 , | | |
| 380 | Operation of the Permeability Transition Pore in Rat Heart Mitochondria in Aging. 2018 , 12, 137-145 | | 3 |
| 379 | The Mitochondrial Translocator Protein and the Emerging Link Between Oxidative Stress and Arrhythmias in the Diabetic Heart. 2018 , 9, 1518 | | 12 |
| 378 | Bioconversion of Corticosterone into Corticosterone-Glucoside by Glucosyltransferase. <i>Molecules</i> , 2018 , 23, | 4.8 | 2 |

- 377 Molecular Imaging: A New Frontier in Neurotoxicology. **2018**, 442-450
- 376 Novel potential pyrazolopyrimidine based translocator protein ligands for the evaluation of neuroinflammation with PET. **2018**, 159, 292-306 5
- 375 [¹⁸F]-DPA for the detection of activated microglia in a mouse model of Alzheimer's disease. **2018**, 67, 1-9 19
- 374 Application of molecular imaging technology in neurotoxicology research. **2018**, 36, 113-124 1
- 373 Neurosteroid Metabolites of Gonadal Steroid Hormones in Neuroprotection: Implications for Sex Differences in Neurodegenerative Disease. *Frontiers in Molecular Neuroscience*, **2018**, 11, 359 6.1 19
- 372 Induction of ATP Release, PPIX Transport, and Cholesterol Uptake by Human Red Blood Cells Using a New Family of TSPO Ligands. **2018**, 19, 4
- 371 Structural Prediction of the Dimeric Form of the Mammalian Translocator Membrane Protein TSPO: A Key Target for Brain Diagnostics. **2018**, 19, 13
- 370 Cellular Sources and Regional Variations in the Expression of the Neuroinflammatory Marker Translocator Protein (TSPO) in the Normal Brain. **2018**, 19, 82
- 369 Benzodiazepines and risk of pneumonia in schizophrenia: a nationwide case-control study. **2018**, 235, 3329-3338 3
- 368 Emerging PET Radiotracers and Targets for Imaging of Neuroinflammation in Neurodegenerative Diseases: Outlook Beyond TSPO. **2018**, 17, 1536012118792317 107
- 367 Brain F-FDG PET of SIV-infected macaques after treatment interruption or initiation. **2018**, 15, 207 6
- 366 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. **2018**, 16, 8325-8335 3
- 365 Possible role of 18-kDa translocator protein (TSPO) in etifoxine-induced reduction of direct twitch responses in isolated rat nerve-skeletal muscle preparations. **2018**, 17, 1309 1
- 364 (Micro)Glia as Effectors of Cortical Volume Loss in Schizophrenia. **2018**, 44, 948-957 11
- 363 Role of Neuroinflammation in the Trajectory of Alzheimer's Disease and in vivo Quantification Using PET. **2018**, 64, S339-S351 17
- 362 Koumine Attenuates Neuroglia Activation and Inflammatory Response to Neuropathic Pain. **2018**, 2018, 9347696 31
- 361 Imaging of Glial Activation in Alzheimer's Disease. **2018**, 9, 625 49
- 360 Cytoprotective effects of paeoniflorin are associated with translocator protein 18 kDa. **2018**, 107, 19-23 3

| | | |
|-----|---|----|
| 359 | Translocator protein 18kDa antagonist ameliorates stress-induced stool abnormality and abdominal pain in rodent stress models. 2018 , 30, e13425 | 0 |
| 358 | imaging biomarkers of neuroinflammation in the development and assessment of stroke therapies - towards clinical translation. 2018 , 8, 2603-2620 | 25 |
| 357 | Plasma Translocator Protein Levels and Outcomes of Acute Ischemic Stroke: A Pilot Study. 2018 , 2018, 9831079 | 6 |
| 356 | Automated Synthesis of (rac)-, (R)-, and (S)-[F]Epifluorohydrin and Their Application for Developing PET Radiotracers Containing a 3-[F]Fluoro-2-hydroxypropyl Moiety. 2018 , 13, 1723-1731 | 4 |
| 355 | In vitro evaluation of the anti-leishmanial activity and toxicity of PK11195. 2018 , 113, e170345 | 5 |
| 354 | Translocator Protein (TSPO) as a Potential Biomarker in Human Cancers. 2018 , 19, | 24 |
| 353 | The multistress-induced Translocator protein (TSPO) differentially modulates storage lipids metabolism in seeds and seedlings. 2018 , 96, 274-286 | 8 |
| 352 | Assessment of TSPO in a Rat Experimental Autoimmune Myocarditis Model: A Comparison Study between [F]Fluoromethyl-PBR28 and [F]CB251. 2018 , 19, | 12 |
| 351 | Delivery of Proapoptotic Agents in Glioma Cell Lines by TSPO Ligand-Dextran Nanogels. 2018 , 19, | 16 |
| 350 | TSPO: An Evolutionarily Conserved Protein with Elusive Functions. 2018 , 19, | 39 |
| 349 | In vivo quantification of glial activation in minipigs overexpressing human β synuclein. 2018 , 72, e22060 | 9 |
| 348 | The expression of inflammatory markers and their potential influence on efflux transporters in drug-resistant mesial temporal lobe epilepsy tissue. 2018 , 59, 1507-1517 | 27 |
| 347 | [F]DPA-714 PET imaging shows immunomodulatory effect of intravenous administration of bone marrow stromal cells after transient focal ischemia. 2018 , 8, 35 | 14 |
| 346 | [F]DAA1106: Automated radiosynthesis using spirocyclic iodonium ylide and preclinical evaluation for positron emission tomography imaging of translocator protein (18 kDa). 2018 , 26, 4817-4822 | 10 |
| 345 | The benzodiazepine anesthetic midazolam prevents hyperglycemia-induced microvascular leakage in the retinas of diabetic mice. 2018 , 32, fj201800014RR | 10 |
| 344 | Leydig Cell Development and Aging in the Brown Norway Rat. 2018 , 853-862 | 2 |
| 343 | Comparative Proteomics Analysis Reveals Trans Fatty Acid Isomers Activates Different Pathways in Human Umbilical Vein Endothelial Cell. 2018 , 53, 189-203 | 1 |
| 342 | Regulation of Mitochondrial, Cellular, and Organismal Functions by TSPO. 2018 , 82, 103-136 | 23 |

| | | |
|-----|--|----|
| 341 | Preclinical Evaluation of a Novel TSPO PET Ligand 2-(7-Butyl-2-(4-(2-[F]Fluoroethoxy)phenyl)-5-Methylpyrazolo[1,5-a]Pyrimidin-3-yl)-N,N-Diethylacetamide (F-VUIIS1018A) to Image Glioma. 2019 , 21, 113-121 | 11 |
| 340 | Adrenal Steroidogenesis. 2019 , 56-63 | 2 |
| 339 | Brain Phospholipid Precursors Administered Post-Injury Reduce Tissue Damage and Improve Neurological Outcome in Experimental Traumatic Brain Injury. 2019 , 36, 25-42 | 20 |
| 338 | First Nondiscriminating Translocator Protein Ligands Produced from a Carbazole Scaffold. 2019 , 62, 8235-8248 ₁₂ | |
| 337 | Effects of Cigarette Smoke on TSPO-related Mitochondrial Processes. 2019 , 8, | 10 |
| 336 | CRISPR-Cas9 Mediated TSPO Gene Knockout alters Respiration and Cellular Metabolism in Human Primary Microglia Cells. 2019 , 20, | 26 |
| 335 | Synthesis and evaluation of novel potent TSPO PET ligands with 2-phenylpyrazolo[1,5-a]pyrimidin-3-yl acetamide. 2019 , 27, 4069-4080 | 5 |
| 334 | Frontiers in positron emission tomography imaging of the vulnerable atherosclerotic plaque. 2019 , 115, 1952-1962 | 12 |
| 333 | VDAC1 and the TSPO: Expression, Interactions, and Associated Functions in Health and Disease States. 2019 , 20, | 39 |
| 332 | PET Imaging. 2019 , 11-13 | |
| 331 | Characterisation of the ligand binding sites in the translocator protein TSPO using the chimeric bacterial-mammalian constructs. 2019 , 164, 105456 | 5 |
| 330 | Effects of age, BMI and sex on the glial cell marker TSPO - a multicentre [C]PBR28 HRRT PET study. 2019 , 46, 2329-2338 | 41 |
| 329 | Aldosterone Biosynthesis: Genetic Control and Contribution to the Development of Arterial Hypertension. 2019 , 55, 672-680 | |
| 328 | Synthesis and in vitro evaluation of new translocator protein ligands designed for positron emission tomography. 2019 , 11, 539-550 | 2 |
| 327 | Applications of amyloid, tau, and neuroinflammation PET imaging to Alzheimer's disease and mild cognitive impairment. 2019 , 40, 5424-5442 | 57 |
| 326 | Rewiring of Cancer Cell Metabolism by Mitochondrial VDAC1 Depletion Results in Time-Dependent Tumor Reprogramming: Glioblastoma as a Proof of Concept. 2019 , 8, | 10 |
| 325 | The yin and yang of imaging tumor associated macrophages with PET and MRI. 2019 , 9, 7730-7748 | 33 |
| 324 | Cigarette smoke, saliva, the translocator protein 18 kDa (TSPO), and oral cancer. 2019 , 25, 1843-1849 | 2 |

| | | | |
|-----|---|-----|----|
| 323 | PET/SPECT Molecular Probes for the Diagnosis and Staging of Nonalcoholic Fatty Liver Disease. 2019 , 18, 1536012119871455 | | 6 |
| 322 | Development of new treatments for Alzheimer's disease based on the modulation of translocator protein (TSPO). 2019 , 54, 100943 | | 3 |
| 321 | Lipopolysaccharide induces mouse translocator protein (18 kDa) expression via the AP-1 complex in the microglial cell line, BV-2. <i>PLoS ONE</i> , 2019 , 14, e0222861 | 3-7 | 8 |
| 320 | Microglial Pro-Inflammatory and Anti-Inflammatory Phenotypes Are Modulated by Translocator Protein Activation. 2019 , 20, | | 30 |
| 319 | Stress and drug abuse-related disorders: The promising therapeutic value of neurosteroids focus on pregnenolone-progesterone-allopregnanolone pathway. 2019 , 55, 100789 | | 14 |
| 318 | Systemic knockout of <i>Tspo</i> in mice does not affect retinal morphology, function and susceptibility to degeneration. 2019 , 188, 107816 | | 8 |
| 317 | Modulation of Cholesterol-Dependent Activity of Macrophages IC-21 by a Peptide Containing Two CRAC-Motifs from Protein M1 of Influenza Virus. 2019 , 13, 268-276 | | 0 |
| 316 | Multimodal and Multiscale Analysis Reveals Distinct Vascular, Metabolic and Inflammatory Components of the Tissue Response to Limb Ischemia. 2019 , 9, 152-166 | | 7 |
| 315 | Binding Affinity of Some Endogenous and Synthetic TSPO Ligands Regarding the rs6971 Polymorphism. 2019 , 20, | | 7 |
| 314 | Identification of Key Genes and Pathways in Cervical Cancer by Bioinformatics Analysis. 2019 , 16, 800-812 | | 25 |
| 313 | Kinetic modelling and quantification bias in small animal PET studies with [18F]AB5186, a novel 18 kDa translocator protein radiotracer. <i>PLoS ONE</i> , 2019 , 14, e0217515 | 3-7 | 6 |
| 312 | Oxygen and Conformation Dependent Protein Oxidation and Aggregation by Porphyrins in Hepatocytes and Light-Exposed Cells. 2019 , 8, 659-682.e1 | | 13 |
| 311 | Unbinding of Translocator Protein 18 kDa (TSPO) Ligands: From in Vitro Residence Time to in Vivo Efficacy via in Silico Simulations. 2019 , 10, 3805-3814 | | 13 |
| 310 | Synthesis and biological evaluation of [F]fluorovinpocetine, a potential PET radioligand for TSPO imaging. 2019 , 29, 2270-2274 | | 4 |
| 309 | A tracer-based method enables tracking of malaria parasites during human skin infection. 2019 , 9, 2768-2778 | | 6 |
| 308 | In vivo direct relation of tau pathology with neuroinflammation in early Alzheimer's disease. 2019 , 266, 2186-2196 | | 27 |
| 307 | Progesterone Actions During Central Nervous System Development. 2019 , 13, 503 | | 43 |
| 306 | (R)-[F]NEBIFQUINIDE: A promising new PET tracer for TSPO imaging. 2019 , 176, 410-418 | | 7 |

| | | |
|-----|---|----|
| 305 | 18F-PBR06 PET/CT imaging of inflammation and differentiation of lung cancer in mice. 2019 , 30, 1 | 3 |
| 304 | Development of brain PET imaging agents: Strategies for imaging neuroinflammation in Alzheimer's disease. 2019 , 165, 371-399 | 19 |
| 303 | Drp1 Phosphorylation Is Indispensable for Steroidogenesis in Leydig Cells. 2019 , 160, 729-743 | 12 |
| 302 | Characterization of the High-Affinity Drug Ligand Binding Site of Mouse Recombinant TSPO. 2019 , 20, | 7 |
| 301 | Maternal exposure to imazalil disrupts the endocrine system in F generation mice. 2019 , 486, 105-112 | 13 |
| 300 | Inflammatory process in Parkinson disease: neuroprotection by neuropeptide Y. 2019 , 33, 544-548 | 15 |
| 299 | Role of the inflammasomes in HIV-associated neuroinflammation and neurocognitive disorders. 2019 , 108, 64-72 | 23 |
| 298 | Differential effects of TSPO ligands on mitochondrial function in mouse microglia cells. 2019 , 106, 65-76 | 33 |
| 297 | New and Old TSPO PET Radioligands for Imaging Brain Microglial Activation in Neurodegenerative Disease. 2019 , 19, 24 | 43 |
| 296 | Widespread microglial activation in multiple system atrophy. 2019 , 34, 564-568 | 21 |
| 295 | The TSPO Ligands 2-Cl-MGV-1, MGV-1, and PK11195 Differentially Suppress the Inflammatory Response of BV-2 Microglial Cell to LPS. 2019 , 20, | 21 |
| 294 | The agonistic TSPO ligand XBD173 attenuates the glial response thereby protecting inner retinal neurons in a murine model of retinal ischemia. 2019 , 16, 43 | 22 |
| 293 | Perspectives in TSPO PET Imaging for Neurologic Diseases. 2019 , 53, 382-385 | 3 |
| 292 | CXCL12 is involved in Bsynuclein-triggered neuroinflammation of Parkinson's disease. 2019 , 16, 263 | 24 |
| 291 | F-AzaFol for Detection of Folate Receptor- β Positive Macrophages in Experimental Interstitial Lung Disease-A Proof-of-Concept Study. 2019 , 10, 2724 | 16 |
| 290 | Animal models of post-traumatic stress disorder and novel treatment targets. 2019 , 30, 130-150 | 24 |
| 289 | TSPO in diverse CNS pathologies and psychiatric disease: A critical review and a way forward. 2019 , 194, 44-58 | 84 |
| 288 | Allopregnanolone and Progesterone in Experimental Neuropathic Pain: Former and New Insights with a Translational Perspective. 2019 , 39, 523-537 | 19 |

| | | |
|-----|---|--------|
| 287 | Recent advances in the discovery of small molecules targeting glioblastoma. 2019 , 164, 8-26 | 11 |
| 286 | Nr5a1-Cre-mediated Tspo conditional knockout mice with low growth rate and prediabetes symptoms - A mouse model of stress diabetes. 2019 , 1865, 56-62 | 3 |
| 285 | Prognostic significance of serum translocator protein in patients with traumatic brain injury. 2019 , 488, 25-30 | 7 |
| 284 | Diminished responses to monoaminergic antidepressants but not ketamine in a mouse model for neuropsychiatric lupus. 2019 , 33, 25-36 | 1 |
| 283 | Acute effects of the translocator protein drug ligand FGIN-1-27 on serum testosterone and luteinizing hormone levels in male Sprague-Dawley rats 2019 , 100, 824-832 | 4 |
| 282 | The folate receptor β as a macrophage-mediated imaging and therapeutic target in rheumatoid arthritis. 2019 , 9, 366-378 | 46 |
| 281 | Repeated social defeat induces transient glial activation and brain hypometabolism: A positron emission tomography imaging study. 2019 , 39, 439-453 | 16 |
| 280 | Evaluation of exercise-induced modulation of glial activation and dopaminergic damage in a rat model of Parkinson's disease using [C]PBR28 and [F]FDOPA PET. 2019 , 39, 989-1004 | 23 |
| 279 | Concentration, distribution, and influence of aging on the 18 kDa translocator protein in human brain: Implications for brain imaging studies. 2020 , 40, 1061-1076 | 8 |
| 278 | Noninvasive Imaging to Assess Atherosclerotic Plaque Composition and Disease Activity: Coronary and Carotid Applications. 2020 , 13, 1055-1068 | 26 |
| 277 | Endozepines and their receptors: Structure, functions and pathophysiological significance. 2020 , 208, 107386 | 23 |
| 276 | Effects of pharmacologically induced Leydig cell testosterone production on intratesticular testosterone and spermatogenesis 2020 , 102, 489-498 | 10 |
| 275 | Downregulation of TSPO expression inhibits oxidative stress and maintains mitochondrial homeostasis in cardiomyocytes subjected to anoxia/reoxygenation injury. 2020 , 121, 109588 | 11 |
| 274 | GABA-A receptor and mitochondrial TSPO signaling act in parallel to regulate melanocyte stem cell quiescence in larval zebrafish. 2020 , 33, 416-425 | 1 |
| 273 | Translocator protein mediates olfactory repulsion. 2020 , 34, 513-524 | 2 |
| 272 | In vivo monitoring of remnant undifferentiated neural cells following human induced pluripotent stem cell-derived neural stem/progenitor cells transplantation. 2020 , 9, 465-477 | 15 |
| 271 | Insight into the Structural Features of TSPO: Implications for Drug Development. <i>Trends in Pharmacological Sciences</i> , 2020 , 41, 110-122 | 13.2 8 |
| 270 | Cholesterol accumulation, lipid droplet formation, and steroid production in Leydig cells: Role of translocator protein (18-kDa). 2020 , 8, 719-730 | 9 |

| | | |
|-----|--|----|
| 269 | GABA-A receptor modulating steroids in acute and chronic stress; relevance for cognition and dementia?. 2020 , 12, 100206 | 6 |
| 268 | BV-2 Microglial Cells Respond to Rotenone Toxic Insult by Modifying Pregnenolone, 5 β Dihydroprogesterone and Pregnanolone Levels. 2020 , 9, | 11 |
| 267 | The Role of Translocator Protein TSPO in Hallmarks of Glioblastoma. 2020 , 12, | 11 |
| 266 | TSPO ligand etifoxine attenuates LPS-induced cognitive dysfunction in mice. 2020 , 165, 178-184 | 0 |
| 265 | FXR β modulates leydig cell endocrine function in mouse. 2020 , 518, 110995 | 3 |
| 264 | Comparative Proteomic Profiling of 3T3-L1 Adipocyte Differentiation Using SILAC Quantification. 2020 , 19, 4884-4900 | 2 |
| 263 | Translocator Protein 18 kDa (TSPO) Deficiency Inhibits Microglial Activation and Impairs Mitochondrial Function. 2020 , 11, 986 | 15 |
| 262 | TSPO2 translocates 5-aminolevulinic acid into human erythroleukemia cells. 2020 , 112, 113-126 | 2 |
| 261 | Physiopathological Role of Neuroactive Steroids in the Peripheral Nervous System. 2020 , 21, | 4 |
| 260 | Modulation of the Cholesterol-Dependent Activity of Macrophages IC-21 by CRAC Peptides with Substituted Motif-Forming Amino Acids. 2020 , 14, 331-343 | 1 |
| 259 | Tracing the History of the Human Translocator Protein to Recent Neurodegenerative and Psychiatric Imaging. 2020 , 11, 2192-2200 | 7 |
| 258 | The Role of Inflammation after Surgery for Elders (RISE) study: Examination of [C]PBR28 binding and exploration of its link to post-operative delirium. 2020 , 27, 102346 | 6 |
| 257 | Serotonergic transmission is required for the anxiolytic-like behavioral effects of YL-IPA08, a selective ligand targeting TSPO. 2020 , 178, 108230 | 1 |
| 256 | A Novel Interaction of Translocator Protein 18 kDa (TSPO) with NADPH Oxidase in Microglia. 2020 , 57, 4467-4487 | 11 |
| 255 | Versatile Dimerisation Process of Translocator Protein (TSPO) Revealed by an Extensive Sampling Based on a Coarse-Grained Dynamics Study. 2020 , 60, 3944-3957 | 3 |
| 254 | Tricyclic heterocycles display diverse sensitivity to the A147T TSPO polymorphism. 2020 , 207, 112725 | 3 |
| 253 | Neurosteroids and Seizure Activity. 2020 , 11, 541802 | 7 |
| 252 | Peripheral Biomarkers in DSM-5 Anxiety Disorders: An Updated Overview. 2020 , 10, | 4 |

| | | | |
|-----|--|-----|----|
| 251 | PET Imaging for Oxidative Stress in Neurodegenerative Disorders Associated with Mitochondrial Dysfunction. 2020 , 9, | | 9 |
| 250 | The protective effect of PK11195 on D-galactose-induced amnesic mild cognitive impairment in rats. 2020 , 8, 1190 | | 3 |
| 249 | The combined effects of microglia activation and brain glucose hypometabolism in early-onset Alzheimer's disease. 2020 , 12, 50 | | 23 |
| 248 | The role of glia in Parkinson's disease: Emerging concepts and therapeutic applications. 2020 , 252, 131-168 | | 10 |
| 247 | Radiosynthesis and evaluation of acetamidobenzoxazolone based radioligand [¹¹ C]N ³ -MPB for visualization of 18 kDa TSPO in brain. 2020 , 44, 7912-7922 | | 5 |
| 246 | Cholesterol-binding protein TSPO2 coordinates maturation and proliferation of terminally differentiating erythroblasts. 2020 , 295, 8048-8063 | | 3 |
| 245 | Potential therapeutic targets for intracerebral hemorrhage-associated inflammation: An update. 2020 , 40, 1752-1768 | | 36 |
| 244 | Exploiting the Indole Scaffold to Design Compounds Binding to Different Pharmacological Targets. <i>Molecules</i> , 2020 , 25, | 4.8 | 6 |
| 243 | 18-kDa translocator protein association complexes in the brain: From structure to function. 2020 , 177, 114015 | | 8 |
| 242 | Carotid Artery Disease. 2020 , | | |
| 241 | Beta-Blockers and Cancer: Where Are We?. 2020 , 13, | | 12 |
| 240 | Efficaciousness of Low Affinity Compared to High Affinity TSPO Ligands in the Inhibition of Hypoxic Mitochondrial Cellular Damage Induced by Cobalt Chloride in Human Lung H1299 Cells. 2020 , 8, | | 2 |
| 239 | Discovery of hydrazide-based pyridazino[4,5-]indole scaffold as a new phosphoinositide 3-kinase (PI3K) inhibitor for breast cancer therapy.. 2020 , 10, 19534-19541 | | 17 |
| 238 | Usefulness of postoperative serum translocator protein as a predictive marker for delirium after breast cancer surgery in elderly women. 2020 , 48, 300060520910044 | | 2 |
| 237 | Translocator protein 18 kDa: a potential therapeutic biomarker for post traumatic stress disorder. 2020 , 35, 695-707 | | |
| 236 | Current Landscape and Emerging Fields of PET Imaging in Patients with Brain Tumors. <i>Molecules</i> , 2020 , 25, | 4.8 | 15 |
| 235 | 18-kDa Translocator Protein Ligands Protect H9C2 Cardiomyocytes from Cigarette Smoke-induced Cell Death: Study. 2020 , 34, 549-556 | | 1 |
| 234 | Peripheral cytokine and fatty acid associations with neuroinflammation in AD and aMCI patients: An exploratory study. 2020 , 87, 679-688 | | 11 |

| | | |
|-----|---|----|
| 233 | Hypothalamic Astrocyte Development and Physiology for Neuroprogesterone Induction of the Luteinizing Hormone Surge. 2020 , 11, 420 | 10 |
| 232 | Visualization of translocator protein (18 kDa) (TSPO) in the retina of diabetic retinopathy rats using fluorine-18-DPA-714. 2020 , 34, 675-681 | 0 |
| 231 | -Cre-Mediated Global Knockout. 2020 , 4, bvaa001 | 10 |
| 230 | The Translocator Protein (TSPO) in Mitochondrial Bioenergetics and Immune Processes. 2020 , 9, | 31 |
| 229 | FTY720 Protects Against Ischemia-Reperfusion Injury by Preventing the Redistribution of Tight Junction Proteins and Decreases Inflammation in the Subacute Phase in an Experimental Stroke Model. 2020 , 11, 1103-1116 | 15 |
| 228 | A Plant-Specific N-terminal Extension Reveals Evolutionary Functional Divergence within Translocator Proteins. 2020 , 23, 100889 | 6 |
| 227 | Mitochondrial functions and rare diseases. 2020 , 71, 100842 | 18 |
| 226 | Full Issue PDF. 2020 , 13, I-CCXV | |
| 225 | Allopregnanolone: From molecular pathophysiology to therapeutics. A historical perspective. 2020 , 12, 100215 | 25 |
| 224 | Efficacy of retigabine in ameliorating the brain insult following sarin exposure in the rat. 2020 , 395, 114963 | 5 |
| 223 | Isobolographic Analysis of Antiseizure Activity of the GABA Type A Receptor-Modulating Synthetic Neurosteroids Brexanolone and Ganaxolone with Tiagabine and Midazolam. 2020 , 372, 285-298 | 17 |
| 222 | Design, Synthesis, and In Silico Evaluation of Methyl 2-(2-(5-Bromo/chloro-2-oxobenzoxazol-3(2H)-yl)-acetamido)-3-phenylpropanoate for TSPO Targeting. 2020 , 62, 107-118 | 4 |
| 221 | Inflammation in Experimental Models of β Synucleinopathies. 2021 , 36, 37-49 | 14 |
| 220 | Recent progress in the use of mitochondrial membrane permeability transition pore in mitochondrial dysfunction-related disease therapies. 2021 , 476, 493-506 | 12 |
| 219 | Recent developments on PET radiotracers for TSPO and their applications in neuroimaging. 2021 , 11, 373-393 | 27 |
| 218 | Dissociation of endocrine responses to the Trier Social Stress Test in Virtual Reality (VR-TSST) by the benzodiazepine alprazolam and the translocator protein 18 kDa (TSPO) ligand etifoxine. 2021 , 124, 105100 | 1 |
| 217 | The Neuroimmunology of Chronic Pain: From Rodents to Humans. 2021 , 41, 855-865 | 18 |
| 216 | Mitochondria and nucleus cross-talk: Signaling in metabolism, apoptosis, and differentiation, and function in cancer. 2021 , 73, 492-510 | 7 |

| | | | |
|-----|---|-----|----|
| 215 | Cigarette smoke induces apoptosis via 18 kDa translocator protein in human bronchial epithelial cells. 2021 , 265, 118862 | | 3 |
| 214 | An update into the medicinal chemistry of translocator protein (TSPO) ligands. 2021 , 209, 112924 | | 13 |
| 213 | Glial endozepines and energy balance: Old peptides with new tricks. 2021 , 69, 1079-1093 | | 4 |
| 212 | The translocator protein ligands as mitochondrial functional modulators for the potential anti-Alzheimer agents. 2021 , 36, 831-846 | | 2 |
| 211 | PET Imaging of Neuroinflammation. 2021 , 1335-1371 | | 0 |
| 210 | Leydig cell aging: Molecular mechanisms and treatments. 2021 , 115, 585-609 | | 3 |
| 209 | The TSPO-specific Ligand PK11195 Protects Against LPS-Induced Cognitive Dysfunction by Inhibiting Cellular Autophagy. 2020 , 11, 615543 | | 2 |
| 208 | Neuroactive steroids and neurodevelopment. 2021 , 309-320 | | 1 |
| 207 | How Inflammation Affects the Brain in Depression: A Review of Functional and Structural MRI Studies. 2021 , 17, 503-515 | | 9 |
| 206 | Neuroprotective and anti-inflammatory effects of a therapy combining agonists of nicotinic $\alpha 7$ and $\alpha 5$ receptors in a rat model of Parkinson's disease. 2021 , 16, 1099-1104 | | 8 |
| 205 | Cellular sources of TSPO expression in healthy and diseased brain. 2021 , 1 | | 23 |
| 204 | Central Nervous System Molecular Imaging. 2021 , 1261-1285 | | |
| 203 | Identifying Musculoskeletal Pain Generators Using Molecular Imaging. 2021 , 1373-1392 | | |
| 202 | Enhancing glucose metabolism via gluconeogenesis is therapeutic in a zebrafish model of Dravet syndrome. 2021 , 3, fcab004 | | 3 |
| 201 | The Interplay of Cholesterol and Ligand Binding in TSPO from Classical Molecular Dynamics Simulations. <i>Molecules</i> , 2021 , 26, | 4.8 | 3 |
| 200 | Detection of Alzheimer's disease-related neuroinflammation by a PET ligand selective for glial versus vascular translocator protein. 2021 , 41, 2076-2089 | | 6 |
| 199 | Genome-wide expression analysis of a new class of lncRNAs driven by SINE B2. 2021 , 768, 145332 | | 0 |
| 198 | The Ligands of Translocator Protein: Design and Biological Properties. 2021 , 27, 217-237 | | 3 |

| | | | |
|-----|---|-----|----|
| 197 | Mapping of Translocator Protein (18 kDa) in Peripheral Sterile Inflammatory Disease and Cancer through PET Imaging. <i>Molecular Pharmaceutics</i> , 2021 , 18, 1507-1529 | 5.6 | 2 |
| 196 | Imaging Biomarkers for Monitoring the Inflammatory Redox Landscape in the Brain. 2021 , 10, | | 3 |
| 195 | Variation rs6971 in the Translocator Protein Gene () is Associated with Aggressiveness and Impulsivity but Not with Anxiety in a Population-Representative Sample of Young Adults. 2021 , 182, 149-162 | | 1 |
| 194 | Novel positron emission tomography tracers for imaging of rheumatoid arthritis. 2021 , 20, 102764 | | 2 |
| 193 | The Alpha Keto Amide Moiety as a Privileged Motif in Medicinal Chemistry: Current Insights and Emerging Opportunities. 2021 , 64, 3508-3545 | | 8 |
| 192 | Designer benzodiazepines versus prescription benzodiazepines: can structural relation predict the next step?. 2021 , 51, 249-263 | | 2 |
| 191 | Microglia Activation in Basal Ganglia Is a Late Event in Huntington Disease Pathophysiology. 2021 , 8, | | 6 |
| 190 | Fully Automated Synthesis of Novel TSPO PET Imaging Ligand [F]Fluoroethyltemazepam. <i>Molecules</i> , 2021 , 26, | 4.8 | 1 |
| 189 | [11C]PK11195-PET Brain Imaging of the Mitochondrial Translocator Protein in Mitochondrial Disease. 2021 , | | 3 |
| 188 | In vitro Characterization of the Regional Binding Distribution of Amyloid PET Tracer Florbetaben and the Glia Tracers Deprenyl and PK11195 in Autopsy Alzheimer's Brain Tissue. 2021 , 80, 1723-1737 | | 10 |
| 187 | The TSPO Ligands MGV-1 and 2-Cl-MGV-1 Differentially Inhibit the Cigarette Smoke-Induced Cytotoxicity to H1299 Lung Cancer Cells. 2021 , 10, | | |
| 186 | Impact of RIM-BPs in neuronal vesicles release. 2021 , 170, 129-136 | | 2 |
| 185 | Optimised GMP-compliant production of [F]DPA-714 on the Trasis AllinOne module. 2021 , 6, 20 | | 3 |
| 184 | Impact of endocrine-disrupting chemicals on steroidogenesis and consequences on testicular function. 2021 , 527, 111215 | | 6 |
| 183 | Impact of TSPO Receptor Polymorphism on [F]GE-180 Binding in Healthy Brain and Pseudo-Reference Regions of Neurooncological and Neurodegenerative Disorders. 2021 , 11, | | 2 |
| 182 | Mitochondrial Targeting Involving Cholesterol-Rich Lipid Rafts in the Mechanism of Action of the Antitumor Ether Lipid and Alkylphospholipid Analog Edelfosine. 2021 , 13, | | 4 |
| 181 | Cholesterol-binding translocator protein TSPO regulates steatosis and bile acid synthesis in nonalcoholic fatty liver disease. 2021 , 24, 102457 | | 5 |
| 180 | Identification of Koumine as a Translocator Protein 18 kDa Positive Allosteric Modulator for the Treatment of Inflammatory and Neuropathic Pain. 2021 , 12, 692917 | | 4 |

| | | | |
|-----|---|-----|---|
| 179 | TSPO protein binding partners in bacteria, animals, and plants. 2021 , 53, 463-487 | | 4 |
| 178 | [F]FEDAC translocator protein positron emission tomography-computed tomography for early detection of mitochondrial dysfunction secondary to myocardial ischemia. 2021 , 35, 927-936 | | 1 |
| 177 | An interview with Dr. Vassilios Papadopoulos. 2021 , 105, 1070-1074 | | |
| 176 | Diazepam Impairs Innate and Adaptive Immune Responses and Ameliorates Experimental Autoimmune Encephalomyelitis. 2021 , 12, 682612 | | 2 |
| 175 | Differential mitochondrial protein interaction profile between human translocator protein and its A147T polymorphism variant. | | |
| 174 | Neurosteroids and Depression. 2021 , 15, 240-246 | | 1 |
| 173 | Exploring Translocator Protein (TSPO) Medicinal Chemistry: An Approach for Targeting Radionuclides and Boron Atoms to Mitochondria. 2021 , 64, 9649-9676 | | 0 |
| 172 | Amyloid and Tau Induce Cell Death Independently of TSPO Polymerization and Density Changes. <i>ACS Omega</i> , 2021 , 6, 18719-18727 | 3.9 | 0 |
| 171 | MRI and PET of Brain Tumor Neuroinflammation in the Era of Immunotherapy, From the Special Series on Inflammation. 2021 , | | 0 |
| 170 | Have (R)-[C]PK11195 challengers fulfilled the promise? A scoping review of clinical TSPO PET studies. 2021 , 1 | | 6 |
| 169 | TSPO: an emerging role in appetite for a therapeutically promising biomarker. 2021 , 11, 210173 | | 1 |
| 168 | Resolving the cellular specificity of TSPO imaging in a rat model of peripherally-induced neuroinflammation. 2021 , 96, 154-167 | | 2 |
| 167 | The preventative effect of of Ro5-4864 (peripheral benzodiazepine receptor agonist) on spinal epidural fibrosis after laminectomy in a rat model. 2021 , 43, 1107-1115 | | 1 |
| 166 | Neuroinflammation in Major Depressive Disorder: A Review of PET Imaging Studies Examining the 18-kDa Translocator Protein. 2021 , 292, 642-651 | | 4 |
| 165 | The Translocator Protein () Genetic Polymorphism A147T Is Associated with Worse Survival in Male Glioblastoma Patients. 2021 , 13, | | 1 |
| 164 | Neuroinflammation and psychiatric disorders: Relevance of C1q, translocator protein (18 kDa) (TSPO), and neurosteroids. 2021 , 1-7 | | 2 |
| 163 | TSPO deficiency accelerates amyloid pathology and neuroinflammation by impairing microglial phagocytosis. 2021 , 106, 292-303 | | 0 |
| 162 | The Protective Effect of PK-11195 on Cognitive Impairment in Rats Survived of Polymicrobial Sepsis. 2021 , 58, 2724-2733 | | 1 |

| | | |
|-----|---|----|
| 161 | Synthesis and pharmacological evaluation of [F]PBR316: a novel PET ligand targeting the translocator protein 18 kDa (TSPO) with low binding sensitivity to human single nucleotide polymorphism rs6971. 2021 , 12, 1207-1221 | 3 |
| 160 | Mitochondria as Targets for Cancer Therapy. 2009 , 211-249 | 1 |
| 159 | Structural Studies of TSPO, a Mitochondrial Membrane Protein. 2014 , 393-421 | 6 |
| 158 | Imaging of Microglial Activation in Alzheimer's Disease by [C]PBR28 PET. 2018 , 1750, 323-339 | 6 |
| 157 | Noninvasive Brain Imaging in Small Animal Stroke Models: MRI and PET. 2010 , 139-165 | 1 |
| 156 | Bacterial overexpressed membrane proteins: an example: the TSPO. 2010 , 654, 29-45 | 7 |
| 155 | Oxidative Stress in Hepatic Encephalopathy. 2012 , 47-70 | 1 |
| 154 | PET Neuroimaging in Dementia Conditions. 2021 , 211-282 | 2 |
| 153 | PET Imaging of Translocator Protein Expression in Neurological Disorders. 2021 , 1021-1040 | 1 |
| 152 | PET Imaging of Endocannabinoid System. 2014 , 249-319 | 5 |
| 151 | PET and SPECT Imaging in Parkinsonian Syndromes. 2014 , 619-638 | 1 |
| 150 | Membrane-embedded TSPO: an NMR view. 2021 , 50, 173-180 | 0 |
| 149 | Anti-metastatic effect of midazolam on melanoma B16F10 cells in the lungs of diabetic mice. 2020 , 178, 114052 | 3 |
| 148 | The lipid homeostasis regulation study of arenobufagin in zebrafish HepG2 xenograft model and HepG2 cells using integrated lipidomics-proteomics approach. 2020 , 260, 112943 | 6 |
| 147 | TSPO ligand PK11195 improves Alzheimer-related outcomes in aged female 3xTg-AD mice. 2018 , 683, 7-12 | 16 |
| 146 | Thalamic neuroinflammation as a reproducible and discriminating signature for chronic low back pain. 2021 , 162, 1241-1249 | 12 |
| 145 | Novel host restriction factors implicated in HIV-1 replication. 2018 , 99, 435-446 | 31 |
| 144 | Tracking tau fibrillogenesis and consequent primary phagocytosis of neurons mediated by microglia in a living tauopathy model. | 2 |

| | | | |
|-----|--|-----|----|
| 143 | Effects of age, BMI and sex on the glial cell marker TSPO - a multicentre [11C]PBR28 HRRT PET study. | | 1 |
| 142 | Estradiol-induced progesterone synthesis develops post-puberty in the rostral hypothalamus and coincides with post-pubertal changes in the steroidogenic pathway in female mouse hypothalamic astrocytes. | | 1 |
| 141 | [F]FEPPA PET imaging for monitoring CD68-positive microglia/macrophage neuroinflammation in nonhuman primates. 2020 , 10, 93 | | 8 |
| 140 | Binding of NIR-conPK and NIR-6T to astrocytomas and microglial cells: evidence for a protein related to TSPO. <i>PLoS ONE</i> , 2009 , 4, e8271 | 3-7 | 9 |
| 139 | An alteration in the lateral geniculate nucleus of experimental glaucoma monkeys: in vivo positron emission tomography imaging of glial activation. <i>PLoS ONE</i> , 2012 , 7, e30526 | 3-7 | 28 |
| 138 | The 18 kDa translocator protein (peripheral benzodiazepine receptor) expression in the bone of normal, osteoprotegerin or low calcium diet treated mice. <i>PLoS ONE</i> , 2012 , 7, e30623 | 3-7 | 10 |
| 137 | [18F]DPA-714: direct comparison with [11C]PK11195 in a model of cerebral ischemia in rats. <i>PLoS ONE</i> , 2013 , 8, e56441 | 3-7 | 69 |
| 136 | Translocator protein 18 kDa (TSPO) is regulated in white and brown adipose tissue by obesity. <i>PLoS ONE</i> , 2013 , 8, e79980 | 3-7 | 30 |
| 135 | Preclinical TSPO Ligand PET to Visualize Human Glioma Xenotransplants: A Preliminary Study. <i>PLoS ONE</i> , 2015 , 10, e0141659 | 3-7 | 18 |
| 134 | Sterol Carrier Protein-2, a Nonspecific Lipid-Transfer Protein, in Intracellular Cholesterol Trafficking in Testicular Leydig Cells. <i>PLoS ONE</i> , 2016 , 11, e0149728 | 3-7 | 12 |
| 133 | Translocator Protein-Mediated Stabilization of Mitochondrial Architecture during Inflammation Stress in Colonic Cells. <i>PLoS ONE</i> , 2016 , 11, e0152919 | 3-7 | 19 |
| 132 | Global Deletion of TSPO Does Not Affect the Viability and Gene Expression Profile. <i>PLoS ONE</i> , 2016 , 11, e0167307 | 3-7 | 25 |
| 131 | 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 | 3-7 | 3 |
| 130 | The histone deacetylase inhibitor Romidepsin induces as a cascade of differential gene expression and altered histone H3K9 marks in myeloid leukaemia cells. 2019 , 10, 3462-3471 | | 4 |
| 129 | A Protective Role of Translocator Protein in Alzheimer's Disease Brain. 2020 , 17, 3-15 | | 3 |
| 128 | Design, Synthesis and Anxiolytic Activity Evaluation of N-Acyltryptophanyl- Containing Dipeptides, Potential TSPO Ligands. 2019 , 15, 383-399 | | 3 |
| 127 | In Vitro and In Vivo Neuroprotective Effects of Etifoxine in β -Amyloidinduced Toxicity Models. 2020 , 19, 227-240 | | 2 |
| 126 | Etifoxine for pain patients with anxiety. 2015 , 28, 4-10 | | 25 |

| | | |
|-----|---|----|
| 125 | Allopregnanolone, the Neuromodulator Turned Therapeutic Agent: Thank You, Next?. 2020 , 11, 236 | 13 |
| 124 | A Comparison of Hematological, Immunological, and Stress Responses to Capture and Transport in Wild White Rhinoceros Bulls () Supplemented With Azaperone or Midazolam. 2020 , 7, 569576 | 6 |
| 123 | Mitochondrial TSPO Deficiency Triggers Retrograde Signaling in MA-10 Mouse Tumor Leydig Cells. 2020 , 22, | 4 |
| 122 | Molecular mechanisms for alcoholic hepatitis based on analysis of gene expression profile. 2015 , 15, e27336 | 7 |
| 121 | Concentrated ambient PM exposure affects mice sperm quality and testosterone biosynthesis. 2019 , 7, e8109 | 26 |
| 120 | Neuroprotective effects of minocycline and KML29, a potent inhibitor of monoacylglycerol lipase, in an experimental stroke model: a small-animal positron emission tomography study. 2021 , 11, 9492-9502 | 1 |
| 119 | Neurogenic Potential of the 18-kDa Mitochondrial Translocator Protein (TSPO) in Pluripotent P19 Stem Cells. 2021 , 10, | 1 |
| 118 | Alteration of neuroinflammation detected by F-GE180 PET imaging in place-conditioned rats with morphine withdrawal. 2021 , 11, 103 | 0 |
| 117 | Investigation of the Possible Allosterity of Koumine Extracted From Benth. And Analgesic Mechanism Associated With Neurosteroids. 2021 , 12, 739618 | 1 |
| 116 | Reconsidering Classifications of Depression Syndromes: Lessons from Neuroactive Steroids and Evolutionary Sciences. 2008 , 385-421 | |
| 115 | Steroid Metabolism in Glial Cells. 2008 , 43-59 | |
| 114 | Cancer Stem Cells: Potential Mediators of Therapeutic Resistance and Novel Targets of Anti-cancer Treatments. 2009 , 559-579 | |
| 113 | The Role of 3 β -Hydroxy-5 β -Pregnan-20-One in Mediating the Development and/or Expression of Schizophrenia Spectrum Disorders: Findings in Rodents Models and Clinical Populations. 2011 , 367-404 | |
| 112 | Synthesis of N-(2-[¹¹ C]Methoxybenzyl)-N-(4-Phenoxy-pyridin-3-yl)Acetamide ([¹¹ C]PBR28). 305-312 | |
| 111 | In Vivo Imaging of Neuroinflammation in Acute Brain Injury. 2014 , 235-248 | |
| 110 | Congenital Lipoid Adrenal Hyperplasia. 2014 , 73-97 | |
| 109 | Amyotrophic Lateral Sclerosis: A Glial Perspective. 2014 , 231-263 | |
| 108 | PET Imaging of Translocator Protein Expression in Neurological Disorders. 2014 , 653-667 | |

107 PET Imaging in Multiple Sclerosis: Focus on the Translocator Protein. **2014**, 757-773

106 PET Imaging in Neuroinflammation. **2014**, 205-216

105 Neuroimaging in Amyotrophic Lateral Sclerosis. **2016**, 231-246

104 Toxicity Prediction Regulatory Perspective. **2017**, 285-303

103 Imaging the Host Response. **2017**, 133-148

102 MicroPET/CT Assessment of Minocycline Effects on Anesthetic-Induced Neuronal Injury in Developing Rats. 041-047

101 [Separation anxiety disorder in adults - a new diagnostic category]. **2018**, 118, 66-75

1

100 Basic Science of PET Imaging for Inflammatory Diseases. **2020**, 1-42

1

99 Neuroinflammation in Parkinson's disease: a meta-analysis of PET imaging studies. **2021**, 1

1

98 Mitochondria Autoimmunity and MNRR1 in Breast Carcinogenesis: A Review. **2020**, 2, 138-158

0

97 Takayasu's Arteritis. **2020**, 233-245

96 PET and SPECT Imaging in Atypical Parkinsonian Syndromes. **2021**, 729-757

95 PET Imaging in Multiple Sclerosis. **2021**, 893-916

1

94 Current imaging strategies in rheumatoid arthritis. **2012**, 2, 174-220

27

93 An automated radiosynthesis of [F]DPA-714 on a commercially available radiosynthesizer, Elixys Flex/Chem. **2021**, 180, 110032

0

92 Corticobasal Degeneration. **2022**, 373-386

91 Parkinson's Disease. **2022**, 421-439

90 Molecular Imaging of Vulnerable Coronary Plaque with Radiolabeled Somatostatin Receptors (SSTR). **2021**, 10,

1

| | | |
|----|---|-------|
| 89 | Remimazolam Protects Against LPS-Induced Endotoxicity Improving Survival of Endotoxemia Mice. 2021 , 12, 739603 | 0 |
| 88 | Synthesis and Screening in Mice of Fluorine-Containing PET Radioligands for TSPO: Discovery of a Promising F-Labeled Ligand. 2021 , 64, 16731-16745 | 1 |
| 87 | Dodecaborate Conjugates Targeting Tumor Cell Overexpressing Translocator Protein for Boron Neutron Capture Therapy.. 2022 , 13, 50-54 | 2 |
| 86 | Puberty enables oestradiol-induced progesterone synthesis in female mouse hypothalamic astrocytes.. 2021 , e13082 | 0 |
| 85 | Biomarkers used in Alzheimer's disease diagnosis, treatment, and prevention.. 2021 , 74, 101544 | 3 |
| 84 | In vivo evaluation of six analogs of C-ER176 as candidate F-labeled radioligands for translocator protein 18 kDa (TSPO).. <i>Journal of Nuclear Medicine</i> , 2022 , | 8.9 0 |
| 83 | Neuroinflammation PET imaging of the translocator protein (TSPO) in Alzheimer's disease: an update.. 2022 , | 1 |
| 82 | Neuropeptidergic control of neurosteroids biosynthesis.. 2022 , 65, 100976 | 0 |
| 81 | [Tc-BBPA]: A possible SPECT agent to understand the role of 18-kDa translocator protein (PBR/TSPO) during neuro-glial interaction.. 2022 , 121, 105678 | |
| 80 | Differential Spatial Distribution of TSPO or Amino Acid PET Signal and MRI Contrast Enhancement in Gliomas.. 2021 , 14, | 1 |
| 79 | Gamma camera imaging in psychiatric disorders. 2022 , | |
| 78 | Microglia and Astrocyte Function and Communication: What Do We Know in Humans?. 2022 , 16, 824888 | 1 |
| 77 | Activation of translocator protein alleviates mechanical allodynia and bladder dysfunction in cyclophosphamide-induced cystitis through repression of BDNF-mediated neuroinflammation.. 2022 , | 1 |
| 76 | Inhibition of translocator protein 18 kDa suppressed the progression of glioma via the ELAV-like RNA-binding protein 1/MAPK-activated protein kinase 3 axis.. 2022 , 13, 7457-7470 | 1 |
| 75 | Differential effects of the translocator protein 18 kDa (TSPO) ligand etifoxine and the benzodiazepine alprazolam on startle response to predictable threat in a NPU-threat task after acute and short-term treatment.. 2022 , 1 | |
| 74 | Comparative Assessment of TSPO Modulators on Electroencephalogram Activity and Exploratory Behavior.. 2022 , 13, 750554 | 0 |
| 73 | Biomarker of Neuroinflammation in Parkinson's Disease.. 2022 , 23, | 5 |
| 72 | Kinetic modeling and non-invasive approach for translocator protein quantification with C-DPA-713.. 2022 , 108-109, 76-84 | 0 |

| | | | |
|----|---|------|---|
| 71 | Efficient and automatic synthesis of TSPO PET ligand [F]-GE-180 and its application in rheumatoid arthritis model.. 2022 , 184, 110213 | | 0 |
| 70 | βSynuclein Overexpression Increases Dopamine D2/3 Receptor Binding and Immune Activation in a Model of Early Parkinson's Disease.. 2021 , 9, | | 1 |
| 69 | 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 , | 25.5 | 1 |
| 68 | 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 | 3.9 | 0 |
| 67 | Translocator protein (18kDa) TSPO: a new diagnostic or therapeutic target for stress-related disorders?. <i>Molecular Psychiatry</i> , 2022 , | 15.1 | 2 |
| 66 | Data_Sheet_1.docx. 2019 , | | |
| 65 | Image_1.pdf. 2020 , | | |
| 64 | Table_1.pdf. 2020 , | | |
| 63 | Data_Sheet_1.pdf. 2020 , | | |
| 62 | Nicotinic Acetylcholine Receptors and Microglia as Therapeutic and Imaging Targets in Alzheimer's Disease.. <i>Molecules</i> , 2022 , 27, | 4.8 | 0 |
| 61 | 1-Pyrazolo[3,4-]quinolines: Synthesis and Properties over 100 Years of Research.. <i>Molecules</i> , 2022 , 27, | 4.8 | 1 |
| 60 | Beyond monoamines: I. Novel targets and radiotracers for Positron emission tomography imaging in psychiatric disorders.. <i>Journal of Neurochemistry</i> , 2022 , | 6 | 1 |
| 59 | Nuclear medicine and radiotherapy in the clinical management of glioblastoma patients. <i>Clinical and Translational Imaging</i> , 1 | 2 | 0 |
| 58 | Differential mitochondrial protein interaction profile between human translocator protein and its A147T polymorphism variant.. <i>PLoS ONE</i> , 2022 , 17, e0254296 | 3.7 | 1 |
| 57 | Translocator Protein Ligand Etifoxine Attenuates MPTP-Induced Neurotoxicity. <i>Frontiers in Molecular Neuroscience</i> , 2022 , 15, | 6.1 | |
| 56 | Imaging Neuroinflammation in Neurodegenerative Disorders. <i>Journal of Nuclear Medicine</i> , 2022 , 63, 45S-53S | 5.5 | 4 |
| 55 | Neuroinflammation and Immune Changes in Prodromal Parkinson's Disease and Other Synucleinopathies. <i>Journal of Parkinson's Disease</i> , 2022 , 1-15 | 5.3 | 1 |
| 54 | [18F]BIBD-239: 18F-Labeled ER176, a Positron Emission Tomography Tracer Specific for the Translocator Protein. <i>Molecular Pharmaceutics</i> , | 5.6 | 0 |

| | | | |
|----|--|-----|---|
| 53 | Assessing the Potential Anti-Neuroinflammatory Effect of Minocycline in Chronic Low Back Pain: Protocol for a randomized, double-blind, placebo-controlled trial. | | |
| 52 | The mitochondrial translocator protein (TSPO): a key multifunctional molecule in the nervous system. <i>Biochemical Journal</i> , 2022 , 479, 1455-1466 | 3.8 | 1 |
| 51 | New Antimicrobial Peptide with Two CRAC Motifs: Activity against <i>Escherichia coli</i> and <i>Bacillus subtilis</i> . 2022 , 10, 1538 | | 1 |
| 50 | Anxiolytics for Bronchodilation: Refinements to GABAA Agonists for Asthma Relief. | | |
| 49 | Acetamidobenzoxazolone conjugated DOTA system for assessing 18 kDa translocator protein during Pulmonary Inflammation. 2022 , 134006 | | 0 |
| 48 | Solid-state NMR study of structural heterogeneity of the apo WT mouse TSPO reconstituted in liposomes. 2022 , | | 0 |
| 47 | Analysis of the Mechanisms of Action of a TSPO Ligand (GML-3 Compound) in a Model of Lipopolysaccharide-Induced Cell Damage. | | |
| 46 | Association of Microglial Activation With Spontaneous ARIA-E and Cerebrospinal Fluid Levels of Anti-A Autoantibodies. 10.1212/WNL.0000000000200892 | | 1 |
| 45 | Translocator Protein 18 kDa (TSPO) as a Novel Therapeutic Target for Chronic Pain. 2022 , 2022, 1-8 | | 0 |
| 44 | Update on imaging of Inflammatory Arthritis and Related Disorders. 2022 , | | 0 |
| 43 | Acetamidobenzoxazolone scaffold as a promising translocator protein (18 kDa, TSPO) marker for neuroinflammation imaging: Advancement in last decennial period. | | 0 |
| 42 | Midazolam Prevents the Adverse Outcome of Neonatal Asphyxia. | | 0 |
| 41 | Cognition-enhancing effect of YL-IPA08, a potent ligand for the translocator protein (18 kDa) in the 5 FAD transgenic mouse model of Alzheimer's pathology. 2022 , 36, 1176-1187 | | 0 |
| 40 | Targeting TSPO Reduces Inflammation and Apoptosis in an In Vitro Photoreceptor-Like Model of Retinal Degeneration. | | 1 |
| 39 | Mitochondrial dynamics, Leydig cell function, and age-related testosterone deficiency. 2022 , 36, | | 0 |
| 38 | Estimation of blood-based biomarkers of glial activation related to neuroinflammation. 2022 , 26, 100549 | | 0 |
| 37 | The vasodilator naftidrofuryl attenuates short-term brain glucose hypometabolism in the lithium-pilocarpine rat model of status epilepticus without providing neuroprotection. 2023 , 939, 175453 | | 0 |
| 36 | Behavioral alterations and gills damage in <i>Mytilus galloprovincialis</i> exposed to an environmental concentration of delorazepam. 2023 , 97, 104030 | | 0 |

| | | |
|----|---|---|
| 35 | 18F-Radiolabeled Translocator Protein (TSPO) PET Tracers: Recent Development of TSPO Radioligands and Their Application to PET Study. 2022 , 14, 2545 | 2 |
| 34 | Effect of amphiphilic environment on the solution structure of mouse TSPO translocator protein. 2022 , | 0 |
| 33 | Identification of the Role of TGR5 in the Regulation of Leydig Cell Homeostasis. 2022 , 23, 15398 | 0 |
| 32 | Neurosteroid Activation of GABA-A Receptors: A Potential Treatment Target for Symptoms in Primary Biliary Cholangitis?. 2022 , 2022, 1-13 | 0 |
| 31 | Longitudinal 18F-VUHS1008 PET imaging in a rat model of rheumatoid arthritis. 10, | 0 |
| 30 | Dipeptide Ligands of TSPO. 2022 , 56, 1169-1178 | 0 |
| 29 | Impact of Fetal Exposure to Endocrine Disrupting Chemical Mixtures on FOXA3 Gene and Protein Expression in Adult Rat Testes. 2023 , 24, 1211 | 1 |
| 28 | The loop diuretic torasemide but not azosemide potentiates the anti-seizure and disease-modifying effects of midazolam in a rat model of birth asphyxia. 2023 , 139, 109057 | 0 |
| 27 | Neurosteroids and translocator protein 18 kDa (TSPO) in depression: implications for synaptic plasticity, cognition, and treatment options. | 0 |
| 26 | The Comprehensive Steroidome in Complete TSPO/PBR Knockout Mice under Basal Conditions. 2023 , 24, 2474 | 0 |
| 25 | ERK1/2-dependent TSPO overactivation associates with the loss of mitophagy and mitochondrial respiration in ALS. | 0 |
| 24 | Comparison of 18 kDa protein (TSPO) during pulmonary inflammation with comparative analysis of PIC and EDTA coupled Acetamidobenzoxazolone vehicle. | 0 |
| 23 | Molecular Imaging of Neuroinflammation in Alzheimer's Disease and Mild Cognitive Impairment. 2023 , 301-326 | 0 |
| 22 | A feasibility study for quantitative assessment of cerebrovascular malformations using flutriclamide ([18F]GE-180) PET/MRI. 10, | 0 |
| 21 | Bumetanide potentiates the anti-seizure and disease-modifying effects of midazolam in a noninvasive rat model of term birth asphyxia. 2023 , 142, 109189 | 0 |
| 20 | Mechanistic correlation between mitochondrial permeability transition pores and mitochondrial ATP dependent potassium channels in ischemia reperfusion. 2023 , 162, 114599 | 0 |
| 19 | Multi-Targeted Neutron Capture Therapy Combined with an 18 kDa Translocator Protein-Targeted Boron Compound Is an Effective Strategy in a Rat Brain Tumor Model. 2023 , 15, 1034 | 1 |
| 18 | Interaction of Amphipathic Peptide from Influenza Virus M1 Protein with Mitochondrial Cytochrome Oxidase. 2023 , 24, 4119 | 1 |

- 17 ERK1/2-dependent TSPO overactivation associates with the loss of mitophagy and mitochondrial respiration in ALS. **2023**, 14, ○
- 16 PET tracers in glioblastoma: Toward neurotheranostics as an individualized medicine approach. 3, ○
- 15 Gender and Neurosteroids: Implications for Brain Function, Neuroplasticity and Rehabilitation. **2023**, 24, 4758 ○
- 14 A complex bearing TSPO PIGA ligand coordinated to the [Au(PET3)]⁺ pharmacophore is highly cytotoxic against ovarian cancer cells. ○
- 13 Impact of Translocator Protein 18 kDa (TSPO) Deficiency on Mitochondrial Function and the Inflammatory State of Human C20 Microglia Cells. **2023**, 12, 954 ○
- 12 New TSPO Crystal Structures of Mutant and Heme-Bound Forms with Altered Flexibility, Ligand Binding, and Porphyrin Degradation Activity. **2023**, 62, 1262-1273 ○
- 11 The effect of the tumour necrosis factor-alpha-inhibitor etanercept on microglial activation patients with mild cognitive impairment – PET study. 52-66 ○
- 10 Sigma-2 Receptor Ligand Binding Modulates Association between TSPO and TMEM97. **2023**, 24, 6381 ○
- 9 Mitochondrial TSPO Promotes Hepatocellular Carcinoma Progression through Ferroptosis Inhibition and Immune Evasion. ○
- 8 Pilot Studies on the Novel Hypothesis that TSPO (Peripheral Benzodiazepine Receptor) Is Involved in Benzodiazepine/Drug Physical Dependence and/or Withdrawal. **2023**, 14, 72-83 ○
- 7 Molecular Imaging in Neurology. **2023**, 375-423 ○
- 6 Pharmacological modulation of TSPO in microglia/macrophages and neurons in a chronic neurodegenerative model of prion disease. **2023**, 20, ○
- 5 Microglia and Astrocytes Dysfunction and Key Neuroinflammation-Based Biomarkers in Parkinson Disease. **2023**, 13, 634 ○
- 4 Synthesis, In Silico and In Vitro Characterization of Novel N,N-Substituted Pyrazolopyrimidine Acetamide Derivatives for the 18KDa Translocator Protein (TSPO). **2023**, 16, 576 ○
- 3 Role of sex hormones in diabetic nephropathy. 14, ○
- 2 Biomarkers of Alzheimer Disease: Past, Present and Future Clinical Use. **2023**, 100063 ○
- 1 Translocator Protein Is Involved in the Induction and Regulation of Mitochondrial Permeability Transition Pore Opening in C6 Glioma Cells. **2023**, 17, 179-187 ○