

Jinbin Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3410961/publications.pdf>

Version: 2024-02-01

75
papers

3,348
citations

109321

35
h-index

149698

56
g-index

81
all docs

81
docs citations

81
times ranked

3779
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Striatal oxidative damages and neuroinflammation correlate with progression and survival of Lewy body and Alzheimer diseases. <i>Neural Regeneration Research</i> , 2022, 17, 867. | 3.0 | 8 |
| 2 | Dopamine D3 Receptor in Parkinson Disease: A Prognosis Biomarker and an Intervention Target. <i>Current Topics in Behavioral Neurosciences</i> , 2022, , . | 1.7 | 0 |
| 3 | Radiosynthesis and Evaluation of Talazoparib and Its Derivatives as PARP-1-Targeting Agents. <i>Biomedicines</i> , 2021, 9, 565. | 3.2 | 18 |
| 4 | Neuropathic Pain: Biomolecular Intervention and Imaging via Targeting Microglia Activation. <i>Biomolecules</i> , 2021, 11, 1343. | 4.0 | 18 |
| 5 | Dopamine D1+D3 receptor density may correlate with parkinson disease clinical features. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 224-237. | 3.7 | 12 |
| 6 | The interactions of dopamine and oxidative damage in the striatum of patients with neurodegenerative diseases. <i>Journal of Neurochemistry</i> , 2020, 152, 235-251. | 3.9 | 17 |
| 7 | Dopamine D3 receptor: A neglected participant in Parkinson Disease pathogenesis and treatment?. <i>Ageing Research Reviews</i> , 2020, 57, 100994. | 10.9 | 57 |
| 8 | Radiolabeled 6-(2, 3-Dichlorophenyl)-N4-methylpyrimidine-2, 4-diamine (TH287): A Potential Radiotracer for Measuring and Imaging MTH1. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8860. | 4.1 | 3 |
| 9 | Microglia Implicated in Tauopathy in the Striatum of Neurodegenerative Disease Patients from Genotype to Phenotype. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6047. | 4.1 | 8 |
| 10 | ⁶⁴ Cu-ATSM Positron Emission Tomography/Magnetic Resonance Imaging of Hypoxia in Human Atherosclerosis. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e009791. | 2.6 | 13 |
| 11 | Translocator protein in late stage Alzheimer's disease and Dementia with Lewy bodies brains. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1423-1434. | 3.7 | 22 |
| 12 | Neuroinflammation and Myelin Status in Alzheimer's Disease, Parkinson's Disease, and Normal Aging Brains: A Small Sample Study. <i>Parkinson's Disease</i> , 2019, 2019, 1-12. | 1.1 | 23 |
| 13 | ICP166: TAU PET IMAGING IN LGI1 ENCEPHALITIS: DECIPHERING THE CONTRIBUTORS TO COGNITIVE IMPAIRMENT IN AUTOIMMUNE ENCEPHALITIS. <i>Alzheimer's and Dementia</i> , 2019, 15, P131. | 0.8 | 0 |
| 14 | Amino Acid Uptake Measured by [18F]AFETP Increases in Response to Arginine Starvation in ASS1-Deficient Sarcomas. <i>Theranostics</i> , 2018, 8, 2107-2116. | 10.0 | 7 |
| 15 | Preliminary evaluation of a novel 18F-labeled PARP-1 ligand for PET imaging of PARP-1 expression in prostate cancer. <i>Nuclear Medicine and Biology</i> , 2018, 66, 26-31. | 0.6 | 29 |
| 16 | The role of beta-arrestin2 in shaping fMRI BOLD responses to dopaminergic stimulation. <i>Psychopharmacology</i> , 2017, 234, 2019-2030. | 3.1 | 4 |
| 17 | Nd-Fe-B permanent magnet generator and voltage stabilizing control technology for vehicles. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401666963. | 1.6 | 4 |
| 18 | PET imaging of in vivo caspase-3/7 activity following myocardial ischemia-reperfusion injury with the radiolabeled isatin sulfonamide analogue [(18F)WC-4-116. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 6, 110-9. | 1.0 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Absorbed radiation dosimetry of the D-specific PET radioligand [F]FluorTriopride estimated using rodent and nonhuman primate. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 6, 301-309. | 1.0 | 6 |
| 20 | Synthesis, pharmacological evaluation and molecular modeling studies of triazole containing dopamine D3 receptor ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 519-523. | 2.2 | 15 |
| 21 | Design, Synthesis, and Characterization of 3-(Benzylidene)indolin-2-one Derivatives as Ligands for α -Synuclein Fibrils. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 6002-6017. | 6.4 | 92 |
| 22 | Sigma-2 receptor binding is decreased in female, but not male, APP/PS1 mice. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 439-445. | 2.1 | 16 |
| 23 | Alzheimer's Therapeutics Targeting Amyloid Beta 1α 42 Oligomers II: Sigma-2/PGRMC1 Receptors Mediate Abeta 42 Oligomer Binding and Synaptotoxicity. <i>PLoS ONE</i> , 2014, 9, e111899. | 2.5 | 151 |
| 24 | Synthesis, [18F] radiolabeling, and evaluation of poly (ADP-ribose) polymerase-1 (PARP-1) inhibitors for in vivo imaging of PARP-1 using positron emission tomography. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1700-1707. | 3.0 | 64 |
| 25 | Using SV119 α Gold Nanocage Conjugates to Eradicate Cancer Stem Cells Through a Combination of Photothermal and Chemo Therapies. <i>Advanced Healthcare Materials</i> , 2014, 3, 1283-1291. | 7.6 | 69 |
| 26 | Epigenetic Priming of Memory Updating during Reconsolidation to Attenuate Remote Fear Memories. <i>Cell</i> , 2014, 156, 261-276. | 28.9 | 318 |
| 27 | Development of a PET radiotracer for non-invasive imaging of the reactive oxygen species, superoxide, in vivo. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4421-4431. | 2.8 | 74 |
| 28 | Cross-Inhibition of NMBR and GRPR Signaling Maintains Normal Histaminergic Itch Transmission. <i>Journal of Neuroscience</i> , 2014, 34, 12402-12414. | 3.6 | 55 |
| 29 | Synthesis and Structure α Activity Relationship Studies of Conformationally Flexible Tetrahydroisoquinolinyl Triazole Carboxamide and Triazole Substituted Benzamide Analogues as α 2 Receptor Ligands. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 4239-4251. | 6.4 | 33 |
| 30 | Functional assays to define agonists and antagonists of the sigma-2 receptor. <i>Analytical Biochemistry</i> , 2014, 448, 68-74. | 2.4 | 35 |
| 31 | Positron emission tomography imaging of dopamine D2 receptors using a highly selective radiolabeled D2 receptor partial agonist. <i>NeuroImage</i> , 2013, 71, 168-174. | 4.2 | 10 |
| 32 | Regulation of dopamine presynaptic markers and receptors in the striatum of DJ-1 and Pink1 knockout rats. <i>Neuroscience Letters</i> , 2013, 557, 123-128. | 2.1 | 25 |
| 33 | Regulation of dopamine D3 receptor in the striatal regions and substantia nigra in diffuse Lewy body disease. <i>Neuroscience</i> , 2013, 248, 112-126. | 2.3 | 25 |
| 34 | Binding of the Radioligand SIL23 to α -Synuclein Fibrils in Parkinson Disease Brain Tissue Establishes Feasibility and Screening Approaches for Developing a Parkinson Disease Imaging Agent. <i>PLoS ONE</i> , 2013, 8, e55031. | 2.5 | 97 |
| 35 | Quantitative Receptor-Based Imaging of Tumor Proliferation with the Sigma-2 Ligand [18F]ISO-1. <i>PLoS ONE</i> , 2013, 8, e74188. | 2.5 | 41 |
| 36 | Use of Multifunctional Sigma-2 Receptor Ligand Conjugates to Trigger Cancer-Selective Cell Death Signaling. <i>Cancer Research</i> , 2012, 72, 201-209. | 0.9 | 41 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | SV119-gold nanocage conjugates: a new platform for targeting cancer cells via sigma-2 receptors. <i>Nanoscale</i> , 2012, 4, 421-424. | 5.6 | 45 |
| 38 | Synthesis and evaluation of in vitro bioactivity for vesicular acetylcholine transporter inhibitors containing two carbonyl groups. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 4422-4429. | 3.0 | 16 |
| 39 | Abstract 356: Photoacoustic imaging of pancreatic cancer proliferation via sigma-2 receptor/PGRMC1-eYFP. <i>Cancer Research</i> , 2012, 72, 356-356. | 0.9 | 1 |
| 40 | No Differential Regulation of Dopamine Transporter (DAT) and Vesicular Monoamine Transporter 2 (VMAT2) Binding in a Primate Model of Parkinson Disease. <i>PLoS ONE</i> , 2012, 7, e31439. | 2.5 | 28 |
| 41 | Dopamine D1, D2, D3 Receptors, Vesicular Monoamine Transporter Type-2 (VMAT2) and Dopamine Transporter (DAT) Densities in Aged Human Brain. <i>PLoS ONE</i> , 2012, 7, e49483. | 2.5 | 62 |
| 42 | Abstract 5690: Validating sigma-2 receptor ligand as a novel tumor-targeted drug delivery agent for treating ovarian cancer. , 2012, , . | | 0 |
| 43 | Identification of the PGRMC1 protein complex as the putative sigma-2 receptor binding site. <i>Nature Communications</i> , 2011, 2, 380. | 12.8 | 277 |
| 44 | Synthesis and in Vitro Biological Evaluation of Carbonyl Group-Containing Analogues for σ_1 Receptors. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5362-5372. | 6.4 | 15 |
| 45 | Effect of cyclosporin A on the uptake of D3-selective PET radiotracers in rat brain. <i>Nuclear Medicine and Biology</i> , 2011, 38, 725-739. | 0.6 | 14 |
| 46 | Characterization and Evaluation of Two Novel Fluorescent Sigma-2 Receptor Ligands as Proliferation Probes. <i>Molecular Imaging</i> , 2011, 10, 7290.2011.00009. | 1.4 | 37 |
| 47 | Sleep deprivation differentially affects dopamine receptor subtypes in mouse striatum. <i>NeuroReport</i> , 2011, 22, 489-493. | 1.2 | 36 |
| 48 | Synthesis and in vitro evaluation of new analogues as inhibitors for phosphodiesterase 10A. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 3986-3995. | 5.5 | 8 |
| 49 | PET imaging for attention deficit preclinical drug testing in neurofibromatosis-1 mice. <i>Experimental Neurology</i> , 2011, 232, 333-338. | 4.1 | 35 |
| 50 | Synthesis and Pharmacological Evaluation of Fluorine-Containing D_3 Dopamine Receptor Ligands. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1555-1564. | 6.4 | 42 |
| 51 | Endogenous dopamine (DA) competes with the binding of a radiolabeled D_3 receptor partial agonist in vivo: A positron emission tomography study. <i>Synapse</i> , 2011, 65, 724-732. | 1.2 | 39 |
| 52 | Radiosynthesis and in vivo evaluation of [¹¹ C]MP-10 as a PET probe for imaging PDE10A in rodent and non-human primate brain. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1666-1673. | 3.0 | 55 |
| 53 | Synthesis and characterization of selective dopamine D2 receptor ligands using aripiprazole as the lead compound. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3502-3511. | 3.0 | 43 |
| 54 | Characterization and evaluation of two novel fluorescent sigma-2 receptor ligands as proliferation probes. <i>Molecular Imaging</i> , 2011, 10, 420-33. | 1.4 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Radiosynthesis and biological evaluation of a promising β -receptor ligand radiolabeled with fluorine-18 or iodine-125 as a PET/SPECT probe for imaging breast cancer. <i>Applied Radiation and Isotopes</i> , 2010, 68, 2268-2273. | 1.5 | 28 |
| 56 | Synthesis and characterization of selective dopamine D2 receptor antagonists. 2. Azaindole, benzofuran, and benzothiophene analogs of L-741,626. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 5291-5300. | 3.0 | 20 |
| 57 | [³ H]4-(dimethylamino)N-(4-(4-methoxyphenyl)piperazin-1-yl)butylbenzamide: A selective radioligand for dopamine D ₃ and D ₂ receptor density ratio in the caudate putamen. <i>Synapse</i> , 2010, 64, 449-459. | 1.2 | 34 |
| 58 | The novel sigma-2 receptor ligand SW43 stabilizes pancreas cancer progression in combination with gemcitabine. <i>Molecular Cancer</i> , 2010, 9, 298. | 19.2 | 70 |
| 59 | Carbon-11 labeled papaverine as a PET tracer for imaging PDE10A: radiosynthesis, in vitro and in vivo evaluation. <i>Nuclear Medicine and Biology</i> , 2010, 37, 509-516. | 0.6 | 48 |
| 60 | Abstract 1054: Identification of progesterone receptor membrane component-1 as the putative sigma-2 receptor. , 2010, , . | | 0 |
| 61 | [³ H]4-(Dimethylamino)N-(4-(4-(2-methoxyphenyl)piperazin-1-yl)butyl)benzamide, a selective radioligand for dopamine D ₃ receptors. I. In vitro characterization. <i>Synapse</i> , 2009, 63, 717-728. | 1.2 | 27 |
| 62 | New N-substituted 9-azabicyclo[3.3.1]nonan-3-yl phenylcarbamate analogs as β 2 receptor ligands: Synthesis, in vitro characterization, and evaluation as PET imaging and chemosensitization agents. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 1222-1231. | 3.0 | 40 |
| 63 | Synthesis and in Vitro and in Vivo Evaluation of ¹⁸ F-Labeled Positron Emission Tomography (PET) Ligands for Imaging the Vesicular Acetylcholine Transporter. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 1358-1369. | 6.4 | 48 |
| 64 | Subcellular Localization of Sigma-2 Receptors in Breast Cancer Cells Using Two-Photon and Confocal Microscopy. <i>Cancer Research</i> , 2007, 67, 6708-6716. | 0.9 | 112 |
| 65 | IN VIVO IMAGING IN A MURINE MODEL OF GLIOBLASTOMA. <i>Neurosurgery</i> , 2007, 60, 360-371. | 1.1 | 37 |
| 66 | Fluorine-18-Labeled Benzamide Analogues for Imaging the β 2 Receptor Status of Solid Tumors with Positron Emission Tomography. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 3194-3204. | 6.4 | 102 |
| 67 | Selective sigma-2 ligands preferentially bind to pancreatic adenocarcinomas: applications in diagnostic imaging and therapy. <i>Molecular Cancer</i> , 2007, 6, 48. | 19.2 | 118 |
| 68 | Synthesis of N-substituted 9-azabicyclo[3.3.1]nonan-3-yl carbamate analogs as β 2 receptor ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 6988-6997. | 3.0 | 45 |
| 69 | Synthesis, radiolabeling, and in vivo evaluation of an ¹⁸ F-labeled isatin analog for imaging caspase-3 activation in apoptosis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5041-5046. | 2.2 | 116 |
| 70 | Synthesis and characterization of selective dopamine D2 receptor antagonists. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 815-825. | 3.0 | 36 |
| 71 | Synthesis and in vivo evaluation of 2 high-affinity ⁷⁶ Br-labeled sigma2-receptor ligands. <i>Journal of Nuclear Medicine</i> , 2006, 47, 1041-8. | 5.0 | 37 |
| 72 | Synthesis and in vitro binding of N-phenyl piperazine analogs as potential dopamine D3 receptor ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 77-87. | 3.0 | 99 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | [3H]N-[4-(3,4-dihydro-6,7-dimethoxyisoquinolin-2(1H)-yl)butyl]-2-methoxy-5-methylbenzamide: A novel sigma-2 receptor probe. European Journal of Pharmacology, 2005, 525, 8-17. | 3.5 | 60 |
| 74 | A Modified Micropipette Aspiration Technique and Its Application to Tether Formation From Human Neutrophils. Journal of Biomechanical Engineering, 2002, 124, 388-396. | 1.3 | 53 |
| 75 | The Striatal DNA Damage and Neurodegenerations. , 0, , . | | 0 |