

Qi-Huang Zheng

List of Publications by Year in descending order

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55
papers

1,218
citations

430874

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395702

33
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56
all docs

56
docs citations

56
times ranked

1163
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Characterization of ¹¹ C-GSK1482160 for Targeting the P2X7 Receptor as a Biomarker for Neuroinflammation. <i>Journal of Nuclear Medicine</i> , 2017, 58, 458-465. | 5.0 | 109 |
| 2 | Purification of carbon-11 PET radiotracers from unlabeled precursors by preparative HPLC and SPE. <i>Biomedical Chromatography</i> , 2005, 19, 671-676. | 1.7 | 91 |
| 3 | Synthesis and preliminary biological evaluation of MMP inhibitor radiotracers [¹¹ C]methyl-halo-CGS 27023A analogs, new potential PET breast cancer imaging agents. <i>Nuclear Medicine and Biology</i> , 2002, 29, 761-770. | 0.6 | 79 |
| 4 | PET imaging of the pre-synaptic dopamine uptake sites in rapid-onset dystonia-parkinsonism (RDP). <i>Movement Disorders</i> , 1999, 14, 132-137. | 3.9 | 73 |
| 5 | Synthesis of [¹¹ C]GSK1482160 as a new PET agent for targeting P2X7 receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 1965-1970. | 2.2 | 69 |
| 6 | [¹¹ C]Choline as a PET biomarker for assessment of prostate cancer tumor models. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 2887-2893. | 3.0 | 67 |
| 7 | Synthesis, biodistribution and micro-PET imaging of a potential cancer biomarker carbon-11 labeled MMP inhibitor (2R)-2-[[4-(6-fluorohex-1-ynyl)phenyl]sulfonylamino]-3-methylbutyric acid [¹¹ C]methyl ester. <i>Nuclear Medicine and Biology</i> , 2003, 30, 753-760. | 0.6 | 62 |
| 8 | ntPET: A New Application of PET Imaging for Characterizing the Kinetics of Endogenous Neurotransmitter Release. <i>Molecular Imaging</i> , 2005, 4, 7290.2005.05130. | 1.4 | 61 |
| 9 | [¹¹ C]choline as a potential PET marker for imaging of breast cancer athymic mice. <i>Nuclear Medicine and Biology</i> , 2002, 29, 803-807. | 0.6 | 39 |
| 10 | Synthesis and preliminary biological evaluation of radiolabeled O6-benzylguanine derivatives, new potential PET imaging agents for the DNA repair protein O6-alkylguanine-DNA alkyltransferase in breast cancer. <i>Nuclear Medicine and Biology</i> , 2003, 30, 405-415. | 0.6 | 38 |
| 11 | Synthesis of MMP inhibitor radiotracers [¹¹ C]methyl-CGS 27023A and its analogs, new potential PET breast cancer imaging agents. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2002, 45, 449-470. | 1.0 | 31 |
| 12 | Synthesis and biodistribution of new radiolabeled high-affinity choline transporter inhibitors [¹¹ C]hemicholinium-3 and [¹⁸ F]hemicholinium-3. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 2220-2224. | 2.2 | 31 |
| 13 | Synthesis and in vitro biological evaluation of carbon-11-labeled quinoline derivatives as new candidate PET radioligands for cannabinoid CB2 receptor imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2099-2106. | 3.0 | 30 |
| 14 | Synthesis of a PET tau tracer [¹¹ C]PBB3 for imaging of Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4587-4592. | 2.2 | 28 |
| 15 | Synthesis and preliminary biological evaluation of a novel P2X7R radioligand [¹⁸ F]IUR-1601. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1603-1609. | 2.2 | 27 |
| 16 | Concise and high-yield synthesis of T808 and T808P for radiosynthesis of [¹⁸ F]-T808, a PET tau tracer for Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 254-257. | 2.2 | 24 |
| 17 | Fully automated synthesis of [¹⁸ F]T807, a PET tau tracer for Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2953-2957. | 2.2 | 24 |
| 18 | Synthesis of carbon-11-labeled imidazopyridine- and purine-thioacetamide derivatives as new potential PET tracers for imaging of nucleotide pyrophosphatase/phosphodiesterase 1 (NPP1). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1371-1375. | 2.2 | 20 |

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|----|---|-----|-----------|
| 19 | Synthesis of [¹¹ C]MK-1064 as a new PET radioligand for imaging of orexin-2 receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3694-3699. | 2.2 | 19 |
| 20 | Synthesis of [¹¹ C]HG-10-102-01 as a new potential PET agent for imaging of LRRK2 enzyme in Parkinson's disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1351-1355. | 2.2 | 17 |
| 21 | Facile synthesis of [¹¹ C]edrophonium and its analogues as new potential PET imaging agents for heart acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 1787-1790. | 2.2 | 16 |
| 22 | Synthesis and initial in vitro characterization of a new P2X7R radioligand [¹⁸ F]IUR-1602. <i>Applied Radiation and Isotopes</i> , 2019, 144, 10-18. | 1.5 | 16 |
| 23 | Synthesis of radiolabeled O6-benzylguanine derivatives as new potential PET tumor imaging agents for the DNA repair protein O6-alkylguanine-DNA alkyltransferase. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2002, 45, 1239-1252. | 1.0 | 15 |
| 24 | Synthesis of MMP inhibitor radiotracer [¹¹ C]CGS 25966, a new potential pet tumor imaging agent. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2003, 46, 343-351. | 1.0 | 15 |
| 25 | Synthesis of new carbon-11 labeled 7- <i>caroyl</i> -aminoindoline-1-sulfonamides as potential PET agents for imaging of tubulin polymerization in cancers. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2008, 51, 6-11. | 1.0 | 14 |
| 26 | A high-yield route to synthesize the P-glycoprotein radioligand [¹¹ C]N-desmethyl-loperamide and its parent radioligand [¹¹ C]loperamide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5259-5263. | 2.2 | 14 |
| 27 | Synthesis and preliminary biological evaluation of radiolabeled 5-BDBD analogs as new candidate PET radioligands for P2X4 receptor. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3835-3844. | 3.0 | 14 |
| 28 | Radioligands targeting purinergic P2X7 receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127169. | 2.2 | 14 |
| 29 | Synthesis and preliminary biological evaluation of [¹¹ C]methyl (2-amino-5-(benzylthio)thiazolo[4,5-d]pyrimidin-7-yl)-d-leucinate for the fractalkine receptor (CX3CR1). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2727-2730. | 2.2 | 12 |
| 30 | Synthesis and in vitro biological evaluation of new P2X7R radioligands [¹¹ C]halo-GSK1482160 analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1476-1480. | 2.2 | 12 |
| 31 | A Convenient Procedure for the Synthesis of O6-Benzylguanine Derivatives by Phase Transfer Catalysis. <i>Synthetic Communications</i> , 2003, 33, 941-952. | 2.1 | 11 |
| 32 | Synthesis of carbon-11-labeled isonicotinamides as new potential PET agents for imaging of GSK-3 enzyme in Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 740-743. | 2.2 | 11 |
| 33 | Synthesis of carbon-11-labeled 4-(phenylamino)-pyrrolo[2,1-f][1,2,4]triazine derivatives as new potential PET tracers for imaging of p38 β mitogen-activated protein kinase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3700-3705. | 2.2 | 10 |
| 34 | The first radiosynthesis of [¹¹ C]AZD8931 as a new potential PET agent for imaging of EGFR, HER2 and HER3 signaling. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4455-4459. | 2.2 | 10 |
| 35 | Radiosynthesis of carbon-11 labeled PDE5 inhibitors as new potential PET radiotracers for imaging of Alzheimer's disease. <i>Applied Radiation and Isotopes</i> , 2019, 154, 108873. | 1.5 | 8 |
| 36 | Fully automated radiosynthesis and quality control of estrogen receptor targeting radiopharmaceutical [¹⁸ F]fluoroestradiol ([¹⁸ F]FES) for human breast cancer imaging. <i>Applied Radiation and Isotopes</i> , 2020, 160, 109109. | 1.5 | 8 |

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|----|--|-----|-----------|
| 37 | Simple synthesis of new carbon-11-labeled 1,2,4-triazolo[4,3-a]quinoxalin-1-one derivatives for PET imaging of A3 adenosine receptor. <i>Applied Radiation and Isotopes</i> , 2014, 91, 71-78. | 1.5 | 7 |
| 38 | Synthesis of carbon-11-labeled 5-HT6R antagonists as new candidate PET radioligands for imaging of Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1836-1841. | 2.2 | 7 |
| 39 | Facile and high-yield synthesis of N-(4-diethylamino)benzyl-4-[11C]methoxy-N-(p-tolyl)benzenesulfonamide as a new potential PET selective CB2 radioligand. <i>Applied Radiation and Isotopes</i> , 2014, 90, 181-186. | 1.5 | 6 |
| 40 | Synthesis of a New Carbon-11-Labeled Sulfamate Derivative as a Potential PET Tracer for Imaging of Breast Cancer Aromatase and Steroid Sulfatase Expression. <i>Synthetic Communications</i> , 2011, 41, 1127-1140. | 2.1 | 5 |
| 41 | Synthesis of carbon-11-labeled aminoalkylindole derivatives as new candidates of cannabinoid receptor radioligands for PET imaging of alcohol abuse. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5581-5586. | 2.2 | 5 |
| 42 | Synthesis of a new fluorine-18-labeled bexarotene analogue for PET imaging of retinoid X receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1742-1747. | 2.2 | 5 |
| 43 | Synthesis of carbon-11-labeled CK1 inhibitors as new potential PET radiotracers for imaging of Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2234-2238. | 2.2 | 5 |
| 44 | Facile fully automated radiosynthesis and quality control of O-(2-[18F]fluoroethyl)- tyrosine ([18F]FET) for human brain tumor imaging. <i>Applied Radiation and Isotopes</i> , 2019, 154, 108852. | 1.5 | 5 |
| 45 | Radiosynthesis of a carbon-11 labeled PDE5 inhibitor [11C]TPN171 as a new potential PET heart imaging agent. <i>Applied Radiation and Isotopes</i> , 2020, 162, 109190. | 1.5 | 5 |
| 46 | HRD1 attenuates the high uptake of [18F]FDG in hepatocellular carcinoma PET imaging. <i>Nuclear Medicine and Biology</i> , 2021, 96-97, 27-34. | 0.6 | 5 |
| 47 | Synthesis of [11C]CX-6258 as a new PET tracer for imaging of Pim kinases in cancer. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3831-3835. | 2.2 | 4 |
| 48 | Synthesis of N-(3-(4-[11C]methylpiperazin-1-yl)-1-(5-methylpyridin-2-yl)-1H-pyrazol-5-yl)pyrazolo[1,5-a]pyrimidine-3-carboxamide as a new potential PET agent for imaging of IRAK4 enzyme in neuroinflammation. <i>Applied Radiation and Isotopes</i> , 2018, 132, 6-12. | 1.5 | 4 |
| 49 | Development, validation and implementation of radio-HPLC methods for the P2X7-receptor-targeted [11C]GSK1482160 radiopharmaceutical. <i>Applied Radiation and Isotopes</i> , 2018, 142, 8-11. | 1.5 | 4 |
| 50 | Radiosynthesis of a carbon-11-labeled AMPAR allosteric modulator as a new PET radioligand candidate for imaging of Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1177-1181. | 2.2 | 4 |
| 51 | IC-01-04: Neuroinflammation and amyloid deposition: Concurrent [11C]PBR28 and [11C]PIB PET imaging in patients with Alzheimer's disease, mild cognitive impairment, and older adults with cognitive complaints. , 2010, 6, S3-S4. | | 3 |
| 52 | Radiosynthesis of New Carbon-11-labeled Nimesulide Analogs as Potential PET SAER Tracers for Imaging of Aromatase Expression in Breast Cancer. <i>Synthetic Communications</i> , 2010, 40, 749-758. | 2.1 | 2 |
| 53 | Facile synthesis of carbon-11-labeled sEH/PDE4 dual inhibitors as new potential PET agents for imaging of sEH/PDE4 enzymes in neuroinflammation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1654-1659. | 2.2 | 2 |
| 54 | AB INITIO MO CALCULATION STUDIES FOR SEVERAL NOVEL ENTRIES TO TROPANE COMPOUNDS. <i>Journal of Theoretical and Computational Chemistry</i> , 2004, 03, 305-323. | 1.8 | 1 |

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|----|---|-----|-----------|
| 55 | Radiosynthesis of a carbon-11 labeled tetrahydrobenzoxazole derivative as a new PET probe for β -secretase imaging in Alzheimer's disease. Applied Radiation and Isotopes, 2020, 155, 108915. | 1.5 | 0 |