Yuchuan Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Selective inhibition of BET bromodomains. Nature, 2010, 468, 1067-1073.	27.8	3,456
2	A murine lung cancer co-clinical trial identifies genetic modifiers of therapeutic response. Nature, 2012, 483, 613-617.	27.8	430
3	Advanced cancers: eradication in all cases using 3-bromopyruvate therapy to deplete ATP. Biochemical and Biophysical Research Communications, 2004, 324, 269-275.	2.1	331
4	Radiolabeled Small-Molecule Ligands for Prostate-Specific Membrane Antigen: In vivo Imaging in Experimental Models of Prostate Cancer. Clinical Cancer Research, 2005, 11, 4022-4028.	7.0	246
5	Neuroinflammation and brain atrophy in former NFL players: An in vivo multimodal imaging pilot study. Neurobiology of Disease, 2015, 74, 58-65.	4.4	208
6	Inhibition of ALK, PI3K/MEK, and HSP90 in Murine Lung Adenocarcinoma Induced by <i>EML4-ALK</i> Fusion Oncogene. Cancer Research, 2010, 70, 9827-9836.	0.9	181
7	Characterization of Torin2, an ATP-Competitive Inhibitor of mTOR, ATM, and ATR. Cancer Research, 2013, 73, 2574-2586.	0.9	170
8	Performance evaluation of the GE healthcare eXplore VISTA dual-ring small-animal PET scanner. Journal of Nuclear Medicine, 2006, 47, 1891-900.	5.0	167
9	Translational evaluation of translocator protein as a marker of neuroinflammation in schizophrenia. Molecular Psychiatry, 2018, 23, 323-334.	7.9	159
10	PET imaging of microglia by targeting macrophage colony-stimulating factor 1 receptor (CSF1R). Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1686-1691.	7.1	140
11	Performance evaluation of A-SPECT: a high resolution desktop pinhole SPECT system for imaging small animals. IEEE Transactions on Nuclear Science, 2002, 49, 2139-2147.	2.0	134
12	In vivo markers of inflammatory response in recent-onset schizophrenia: a combined study using [11C]DPA-713 PET and analysis of CSF and plasma. Translational Psychiatry, 2016, 6, e777-e777.	4.8	134
13	Imaging of Glial Cell Activation and White Matter Integrity in Brains of Active and Recently Retired National Football League Players. JAMA Neurology, 2017, 74, 67.	9.0	134
14	Imaging bacterial infections with radiolabeled 1-(2'-deoxy-2'-fluoro-Â-D-arabinofuranosyl)-5-iodouracil. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1145-1150.	7.1	125
15	Positron Emission Tomography Studies of the Glial Cell Marker Translocator Protein in Patients With Psychosis: A Meta-analysis Using Individual Participant Data. Biological Psychiatry, 2018, 84, 433-442.	1.3	103
16	Antiproliferative Effects of CDK4/6 Inhibition in <i>CDK4</i> -Amplified Human Liposarcoma <i>In Vitro</i> and <i>In Vivo</i> . Molecular Cancer Therapeutics, 2014, 13, 2184-2193.	4.1	102
17	Pinhole SPECT of mice using the LumaGEM gamma camera. IEEE Transactions on Nuclear Science, 2001, 48, 830-836.	2.0	90
18	Cannabinoid CB2 Receptors in a Mouse Model of AÎ ² Amyloidosis: Immunohistochemical Analysis and Suitability as a PET Biomarker of Neuroinflammation. PLoS ONE, 2015, 10, e0129618.	2.5	83

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19	Regional brain distribution of translocator protein using [11C]DPA-713 PET in individuals infected with HIV. Journal of NeuroVirology, 2014, 20, 219-232.	2.1	78
20	¹⁸ F-ASEM, a Radiolabeled Antagonist for Imaging the α7-Nicotinic Acetylcholine Receptor with PET. Journal of Nuclear Medicine, 2014, 55, 672-677.	5.0	65
21	Co-Clinical Trials Demonstrate Superiority of Crizotinib to Chemotherapy in <i>ALK</i> -Rearranged Non–Small Cell Lung Cancer and Predict Strategies to Overcome Resistance. Clinical Cancer Research, 2014, 20, 1204-1211.	7.0	57
22	Quantification of the Multiplexing Effects in Multi-Pinhole Small Animal SPECT: A Simulation Study. IEEE Transactions on Nuclear Science, 2009, 56, 2636-2643.	2.0	50
23	[64Cu]XYIMSR-06: A dual-motif CAIX ligand for PET imaging of clear cell renal cell carcinoma. Oncotarget, 2016, 7, 56471-56479.	1.8	49
24	Development of a High-Affinity PET Radioligand for Imaging Cannabinoid Subtype 2 Receptor. Journal of Medicinal Chemistry, 2016, 59, 7840-7855.	6.4	47
25	Desmin Phosphorylation Triggers Preamyloid Oligomers Formation and Myocyte Dysfunction in Acquired Heart Failure. Circulation Research, 2018, 122, e75-e83.	4.5	46
26	Pinhole SPECT With Different Data Acquisition Geometries: Usefulness of Unified Projection Operators in Homogeneous Coordinates. IEEE Transactions on Medical Imaging, 2007, 26, 298-308.	8.9	45
27	A PSMA-targeted theranostic agent for photodynamic therapy. Journal of Photochemistry and Photobiology B: Biology, 2017, 167, 111-116.	3.8	39
28	Evaluation of Prostate-Specific Membrane Antigen as an Imaging Reporter. Journal of Nuclear Medicine, 2014, 55, 805-811.	5.0	38
29	[¹⁸ F]Fluorobenzoyllysinepentanedioic Acid Carbamates: New Scaffolds for Positron Emission Tomography (PET) Imaging of Prostate-Specific Membrane Antigen (PSMA). Journal of Medicinal Chemistry, 2016, 59, 206-218.	6.4	37
30	Detection of Dose Response in Chronic Doxorubicin-Mediated Cell Death with Cardiac Technetium 99m Annexin V Single-Photon Emission Computed Tomography. Molecular Imaging, 2008, 7, 7290.2008.00015.	1.4	36
31	Evaluation of a PSMA-targeted BNF nanoparticle construct. Nanoscale, 2015, 7, 4432-4442.	5.6	35
32	Preclinical Evaluation of 86Y-Labeled Inhibitors of Prostate-Specific Membrane Antigen for Dosimetry Estimates. Journal of Nuclear Medicine, 2015, 56, 628-634.	5.0	35
33	AEG-1 Promoter–Mediated Imaging of Prostate Cancer. Cancer Research, 2014, 74, 5772-5781.	0.9	33
34	Toward Quantitative Small Animal Pinhole SPECT: Assessment of Quantitation Accuracy Prior to Image Compensations. Molecular Imaging and Biology, 2009, 11, 195-203.	2.6	28
35	Noninvasive Imaging of Tumor Burden and Molecular Pathways in Mouse Models of Cancer. Cold Spring Harbor Protocols, 2015, 2015, pdb.top069930.	0.3	28
36	The distribution of the alpha7 nicotinic acetylcholine receptor in healthy aging: An in vivo positron emission tomography study with [18F]ASEM. NeuroImage, 2018, 165, 118-124.	4.2	27

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37	Incongruity of Imaging Using Fluorescent 2-DG Conjugates Compared to 18F-FDG in Preclinical Cancer Models. Molecular Imaging and Biology, 2012, 14, 553-560.	2.6	25
38	Neuroimaging of translocator protein in patients with systemic lupus erythematosus: a pilot study using [¹¹ C]DPA-713 positron emission tomography. Lupus, 2017, 26, 170-178.	1.6	25
39	An Immunotolerant HER-2/ <i>neu</i> Transgenic Mouse Model of Metastatic Breast Cancer. Clinical Cancer Research, 2008, 14, 6116-6124.	7.0	24
40	Integration of SimSET photon history generator in GATE for efficient Monte Carlo simulations of pinhole SPECT. Medical Physics, 2008, 35, 3278-3284.	3.0	24
41	Targeted Imaging of Ewing Sarcoma in Preclinical Models Using a 64Cu-Labeled Anti-CD99 Antibody. Clinical Cancer Research, 2014, 20, 678-687.	7.0	23
42	High Availability of the α7-Nicotinic Acetylcholine Receptor in Brains of Individuals with Mild Cognitive Impairment: A Pilot Study Using ¹⁸ F-ASEM PET. Journal of Nuclear Medicine, 2020, 61, 423-426.	5.0	22
43	Evaluation of a Multi-pinhole Collimator for Imaging Small Animals with Different Sizes. Molecular Imaging and Biology, 2012, 14, 60-69.	2.6	20
44	18F-FNDP for PET Imaging of Soluble Epoxide Hydrolase. Journal of Nuclear Medicine, 2016, 57, 1817-1822.	5.0	19
45	Detection of dose response in chronic doxorubicin-mediated cell death with cardiac technetium 99m annexin V single-photon emission computed tomography. Molecular Imaging, 2008, 7, 132-8.	1.4	19
46	Radiochemical synthesis and in vivo evaluation of [18F]AZ11637326: An agonist probe for the α7 nicotinic acetylcholine receptor. Nuclear Medicine and Biology, 2013, 40, 731-739.	0.6	18
47	PET/CT Imaging of 89Zr-N-sucDf-Pembrolizumab in Healthy Cynomolgus Monkeys. Molecular Imaging and Biology, 2021, 23, 250-259.	2.6	18
48	Evaluation of rotating slant-hole SPECT mammography using Monte Carlo simulation methods. IEEE Transactions on Nuclear Science, 2003, 50, 105-109.	2.0	15
49	Development and Validation of a Monte Carlo Simulation Tool for Multi-Pinhole SPECT. Molecular Imaging and Biology, 2010, 12, 295-304.	2.6	15
50	[¹⁸ F]Fluoroethyl Triazole Substituted PSMA Inhibitor Exhibiting Rapid Normal Organ Clearance. Bioconjugate Chemistry, 2016, 27, 1655-1662.	3.6	15
51	MR-Guided Delivery of Hydrophilic Molecular Imaging Agents Across the Blood-Brain Barrier Through Focused Ultrasound. Molecular Imaging and Biology, 2017, 19, 24-30.	2.6	15
52	¹⁸ F-XTRA PET for Enhanced Imaging of the Extrathalamic α4β2 Nicotinic Acetylcholine Receptor. Journal of Nuclear Medicine, 2018, 59, 1603-1608.	5.0	15
53	Quantitative Rotating Multisegment Slant-Hole SPECT Mammography With Attenuation and Collimator-Detector Response Compensation. IEEE Transactions on Medical Imaging, 2007, 26, 906-916.	8.9	14
54	Evaluation of A-SPECT: a desktop pinhole SPECT system for small animal imaging. , 0, , .		10

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55	The PET tracer [¹¹ C]MK-6884 quantifies M4 muscarinic receptor in rhesus monkeys and patients with Alzheimer's disease. Science Translational Medicine, 2022, 14, eabg3684.	12.4	10
56	High-resolution molecular imaging techniques for cardiovascular research. Journal of Nuclear Cardiology, 2005, 12, 261-267.	2.1	9
57	Design of a Novel Pinhole Collimator System for SPECT Imaging of Small Animals with Different Sizes. , 0, , .		7
58	Evaluation of rotating slant hole SPECT mammography with respect to planar scintimammography using Monte Carlo simulation methods. , 0, , .		5
59	X-ray fluorescence study with pixellated CZT radiation sensors. , 2008, , .		4
60	18F-FDG-PET/CT Imaging of Drug-Induced Metabolic Changes in Genetically Engineered Mouse Lung Cancer Models. Cold Spring Harbor Protocols, 2015, 2015, pdb.prot078246.	0.3	4
61	Enhancement of Radiotherapy with Human Mesenchymal Stem Cells Containing Gold Nanoparticles. Tomography, 2020, 6, 373-378.	1.8	4
62	Development of simulation tools for small animal SPECT/MRI reconstruction study. , 2007, , .		2
63	Optimal camera placement for cardiac imaging using rotating multi-segment slant-hole single photon emission computed tomography. , 0, , .		0
64	Implementation of short-scan reconstruction with compensation for geometric alignment for a microCT system. , 0, , .		0
65	Development of a high-resolution and high-efficiency single-photon detector for studying cardiovascular diseases in mice. European Physical Journal Plus, 2020, 135, 1.	2.6	0