

Yuchuan Wang

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

7,550
citations

136740

32
h-index

143772

57
g-index

66
all docs

66
docs citations

66
times ranked

14050
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective inhibition of BET bromodomains. <i>Nature</i> , 2010, 468, 1067-1073.	13.7	3,456
2	A murine lung cancer co-clinical trial identifies genetic modifiers of therapeutic response. <i>Nature</i> , 2012, 483, 613-617.	13.7	430
3	Advanced cancers: eradication in all cases using 3-bromopyruvate therapy to deplete ATP. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 269-275.	1.0	331
4	Radiolabeled Small-Molecule Ligands for Prostate-Specific Membrane Antigen: In vivo Imaging in Experimental Models of Prostate Cancer. <i>Clinical Cancer Research</i> , 2005, 11, 4022-4028.	3.2	246
5	Neuroinflammation and brain atrophy in former NFL players: An in vivo multimodal imaging pilot study. <i>Neurobiology of Disease</i> , 2015, 74, 58-65.	2.1	208
6	Inhibition of ALK, PI3K/MEK, and HSP90 in Murine Lung Adenocarcinoma Induced by <i>EML4-ALK</i> Fusion Oncogene. <i>Cancer Research</i> , 2010, 70, 9827-9836.	0.4	181
7	Characterization of Torin2, an ATP-Competitive Inhibitor of mTOR, ATM, and ATR. <i>Cancer Research</i> , 2013, 73, 2574-2586.	0.4	170
8	Performance evaluation of the GE healthcare eXplore VISTA dual-ring small-animal PET scanner. <i>Journal of Nuclear Medicine</i> , 2006, 47, 1891-900.	2.8	167
9	Translational evaluation of translocator protein as a marker of neuroinflammation in schizophrenia. <i>Molecular Psychiatry</i> , 2018, 23, 323-334.	4.1	159
10	PET imaging of microglia by targeting macrophage colony-stimulating factor 1 receptor (CSF1R). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1686-1691.	3.3	140
11	Performance evaluation of A-SPECT: a high resolution desktop pinhole SPECT system for imaging small animals. <i>IEEE Transactions on Nuclear Science</i> , 2002, 49, 2139-2147.	1.2	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. <i>Translational Psychiatry</i> , 2016, 6, e777-e777.	2.4	134
13	Imaging of Glial Cell Activation and White Matter Integrity in Brains of Active and Recently Retired National Football League Players. <i>JAMA Neurology</i> , 2017, 74, 67.	4.5	134
14	Imaging bacterial infections with radiolabeled 1-(2'-deoxy-2'-fluoro- β -D-arabinofuranosyl)-5-iodouracil. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 1145-1150.	3.3	125
15	Positron Emission Tomography Studies of the Glial Cell Marker Translocator Protein in Patients With Psychosis: A Meta-analysis Using Individual Participant Data. <i>Biological Psychiatry</i> , 2018, 84, 433-442.	0.7	103
16	Antiproliferative Effects of CDK4/6 Inhibition in <i>CDK4</i> -Amplified Human Liposarcoma <i>In Vitro</i> and <i>In Vivo</i> . <i>Molecular Cancer Therapeutics</i> , 2014, 13, 2184-2193.	1.9	102
17	Pinhole SPECT of mice using the LumaGEM gamma camera. <i>IEEE Transactions on Nuclear Science</i> , 2001, 48, 830-836.	1.2	90
18	Cannabinoid CB2 Receptors in a Mouse Model of $A\beta^2$ Amyloidosis: Immunohistochemical Analysis and Suitability as a PET Biomarker of Neuroinflammation. <i>PLoS ONE</i> , 2015, 10, e0129618.	1.1	83

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19	Regional brain distribution of translocator protein using [¹¹ C]DPA-713 PET in individuals infected with HIV. <i>Journal of NeuroVirology</i> , 2014, 20, 219-232.	1.0	78
20	¹⁸ F-ASEM, a Radiolabeled Antagonist for Imaging the α 7-Nicotinic Acetylcholine Receptor with PET. <i>Journal of Nuclear Medicine</i> , 2014, 55, 672-677.	2.8	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. <i>Clinical Cancer Research</i> , 2014, 20, 1204-1211.	3.2	57
22	Quantification of the Multiplexing Effects in Multi-Pinhole Small Animal SPECT: A Simulation Study. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 2636-2643.	1.2	50
23	[⁶⁴ Cu]XYIMSR-06: A dual-motif CAIX ligand for PET imaging of clear cell renal cell carcinoma. <i>Oncotarget</i> , 2016, 7, 56471-56479.	0.8	49
24	Development of a High-Affinity PET Radioligand for Imaging Cannabinoid Subtype 2 Receptor. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 7840-7855.	2.9	47
25	Desmin Phosphorylation Triggers Preamyloid Oligomers Formation and Myocyte Dysfunction in Acquired Heart Failure. <i>Circulation Research</i> , 2018, 122, e75-e83.	2.0	46
26	Pinhole SPECT With Different Data Acquisition Geometries: Usefulness of Unified Projection Operators in Homogeneous Coordinates. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 298-308.	5.4	45
27	A PSMA-targeted theranostic agent for photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 167, 111-116.	1.7	39
28	Evaluation of Prostate-Specific Membrane Antigen as an Imaging Reporter. <i>Journal of Nuclear Medicine</i> , 2014, 55, 805-811.	2.8	38
29	[¹⁸ F]Fluorobenzoyllysinepentanedioic Acid Carbamates: New Scaffolds for Positron Emission Tomography (PET) Imaging of Prostate-Specific Membrane Antigen (PSMA). <i>Journal of Medicinal Chemistry</i> , 2016, 59, 206-218.	2.9	37
30	Detection of Dose Response in Chronic Doxorubicin-Mediated Cell Death with Cardiac Technetium 99m Annexin V Single-Photon Emission Computed Tomography. <i>Molecular Imaging</i> , 2008, 7, 7290.2008.00015.	0.7	36
31	Evaluation of a PSMA-targeted BNF nanoparticle construct. <i>Nanoscale</i> , 2015, 7, 4432-4442.	2.8	35
32	Preclinical Evaluation of ⁸⁶ Y-Labeled Inhibitors of Prostate-Specific Membrane Antigen for Dosimetry Estimates. <i>Journal of Nuclear Medicine</i> , 2015, 56, 628-634.	2.8	35
33	AEG-1 Promoter-Mediated Imaging of Prostate Cancer. <i>Cancer Research</i> , 2014, 74, 5772-5781.	0.4	33
34	Toward Quantitative Small Animal Pinhole SPECT: Assessment of Quantitation Accuracy Prior to Image Compensations. <i>Molecular Imaging and Biology</i> , 2009, 11, 195-203.	1.3	28
35	Noninvasive Imaging of Tumor Burden and Molecular Pathways in Mouse Models of Cancer. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.top069930.	0.2	28
36	The distribution of the α 7 nicotinic acetylcholine receptor in healthy aging: An in vivo positron emission tomography study with [¹⁸ F]ASEM. <i>NeuroImage</i> , 2018, 165, 118-124.	2.1	27

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37	Incongruity of Imaging Using Fluorescent 2-DG Conjugates Compared to 18F-FDG in Preclinical Cancer Models. <i>Molecular Imaging and Biology</i> , 2012, 14, 553-560.	1.3	25
38	Neuroimaging of translocator protein in patients with systemic lupus erythematosus: a pilot study using [¹¹ C]DPA-713 positron emission tomography. <i>Lupus</i> , 2017, 26, 170-178.	0.8	25
39	An Immunotolerant HER-2/ <i>neu</i> Transgenic Mouse Model of Metastatic Breast Cancer. <i>Clinical Cancer Research</i> , 2008, 14, 6116-6124.	3.2	24
40	Integration of SimSET photon history generator in GATE for efficient Monte Carlo simulations of pinhole SPECT. <i>Medical Physics</i> , 2008, 35, 3278-3284.	1.6	24
41	Targeted Imaging of Ewing Sarcoma in Preclinical Models Using a 64Cu-Labeled Anti-CD99 Antibody. <i>Clinical Cancer Research</i> , 2014, 20, 678-687.	3.2	23
42	High Availability of the $\alpha 7$ -Nicotinic Acetylcholine Receptor in Brains of Individuals with Mild Cognitive Impairment: A Pilot Study Using ¹⁸ F-ASEM PET. <i>Journal of Nuclear Medicine</i> , 2020, 61, 423-426.	2.8	22
43	Evaluation of a Multi-pinhole Collimator for Imaging Small Animals with Different Sizes. <i>Molecular Imaging and Biology</i> , 2012, 14, 60-69.	1.3	20
44	¹⁸ F-FNDP for PET Imaging of Soluble Epoxide Hydrolase. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1817-1822.	2.8	19
45	Detection of dose response in chronic doxorubicin-mediated cell death with cardiac technetium 99m annexin V single-photon emission computed tomography. <i>Molecular Imaging</i> , 2008, 7, 132-8.	0.7	19
46	Radiochemical synthesis and in vivo evaluation of [¹⁸ F]AZ11637326: An agonist probe for the $\alpha 7$ nicotinic acetylcholine receptor. <i>Nuclear Medicine and Biology</i> , 2013, 40, 731-739.	0.3	18
47	PET/CT Imaging of ⁸⁹ Zr-N-sucDf-Pembrolizumab in Healthy Cynomolgus Monkeys. <i>Molecular Imaging and Biology</i> , 2021, 23, 250-259.	1.3	18
48	Evaluation of rotating slant-hole SPECT mammography using Monte Carlo simulation methods. <i>IEEE Transactions on Nuclear Science</i> , 2003, 50, 105-109.	1.2	15
49	Development and Validation of a Monte Carlo Simulation Tool for Multi-Pinhole SPECT. <i>Molecular Imaging and Biology</i> , 2010, 12, 295-304.	1.3	15
50	[¹⁸ F]Fluoroethyl Triazole Substituted PSMA Inhibitor Exhibiting Rapid Normal Organ Clearance. <i>Bioconjugate Chemistry</i> , 2016, 27, 1655-1662.	1.8	15
51	MR-Guided Delivery of Hydrophilic Molecular Imaging Agents Across the Blood-Brain Barrier Through Focused Ultrasound. <i>Molecular Imaging and Biology</i> , 2017, 19, 24-30.	1.3	15
52	¹⁸ F-XTRA PET for Enhanced Imaging of the Extrathalamic $\alpha 4\beta 2$ Nicotinic Acetylcholine Receptor. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1603-1608.	2.8	15
53	Quantitative Rotating Multisegment Slant-Hole SPECT Mammography With Attenuation and Collimator-Detector Response Compensation. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 906-916.	5.4	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. <i>Science Translational Medicine</i> , 2022, 14, eabg3684.	5.8	10
56	High-resolution molecular imaging techniques for cardiovascular research. <i>Journal of Nuclear Cardiology</i> , 2005, 12, 261-267.	1.4	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	¹⁸ F-FDG-PET/CT Imaging of Drug-Induced Metabolic Changes in Genetically Engineered Mouse Lung Cancer Models. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot078246.	0.2	4
61	Enhancement of Radiotherapy with Human Mesenchymal Stem Cells Containing Gold Nanoparticles. <i>Tomography</i> , 2020, 6, 373-378.	0.8	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. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	0