

Hua Zhu

List of Publications by Year in descending order

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93
papers

1,883
citations

331538

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315616

38
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95
all docs

95
docs citations

95
times ranked

2675
citing authors

#	ARTICLE	IF	CITATIONS
1	68Ga-labeled ODAP-Urea-based PSMA agents in prostate cancer: first-in-human imaging of an optimized agent. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 1030-1040.	3.3	16
2	SARS-CoV-2 receptor binding domain radio-probe: a non-invasive approach for angiotensin-converting enzyme 2 mapping in mice. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 1749-1757.	2.8	6
3	Evaluating the impact of different positron emitters on the performance of a clinical PET/MR system. <i>Medical Physics</i> , 2022, , .	1.6	2
4	Targeting Claudin 18.2 Using a Highly Specific Antibody Enables Cancer Diagnosis and Guided Surgery. <i>Molecular Pharmaceutics</i> , 2022, 19, 3530-3541.	2.3	10
5	Highlight selection of radiochemistry and radiopharmacy developments by editorial board. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2022, 7, 9.	1.8	1
6	IgG-Binding Nanobody Capable of Prolonging Nanobody-Based Radiotracer Plasma Half-Life and Enhancing the Efficacy of Tumor-Targeted Radionuclide Therapy. <i>Bioconjugate Chemistry</i> , 2022, 33, 1328-1339.	1.8	10
7	¹²⁴ I Radiolabeled Basiliximab for CD25-Targeted Immuno-PET Imaging of Activated T Cells. <i>Molecular Pharmaceutics</i> , 2022, 19, 2629-2637.	2.3	1
8	Impact of 68Ga-NOTA-MAL-MZHER2 PET imaging in advanced gastric cancer patients and therapeutic response monitoring. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 161-175.	3.3	19
9	68Ga-NOTA-FAPI-04 PET/CT in a patient with primary gastric diffuse large B cell lymphoma: comparisons with [18F] FDG PET/CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 647-648.	3.3	23
10	Positron Emission Tomography Imaging of Programmed Death 1 Expression in Cancer Patients Using 124I-Labeled Toripalimab. <i>Clinical Nuclear Medicine</i> , 2021, 46, 382-388.	0.7	7
11	A Highly Specific Multiple Enhancement Theranostic Nanoprobe for PET/MRI/PAI Image-Guided Radioisotope Combined Photothermal Therapy in Prostate Cancer. <i>Small</i> , 2021, 17, e2100378.	5.2	35
12	Noninvasive evaluation of PD-L1 expression using Copper 64 labeled peptide WL12 by micro-PET imaging in Chinese hamster ovary cell tumor model. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 40, 127901.	1.0	9
13	64Cu-PSMA-BCH: a new radiotracer for delayed PET imaging of prostate cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 4508-4516.	3.3	10
14	Clinical translational evaluation of Al18F-NOTA-FAPI for fibroblast activation protein-targeted tumour imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 4259-4271.	3.3	64
15	Metabolic radiolabeling and in vivo PET imaging of cytotoxic T lymphocytes to guide combination adoptive cell transfer cancer therapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 175.	4.2	10
16	Production of the next-generation positron nuclide zirconium-89 (⁸⁹ Zr) guided by Monte Carlo simulation and its good quality for antibody labeling. <i>Journal of Labelled Compounds and Radiopharmaceutics</i> , 2021, 64, 47-56.	0.5	3
17	Application Analysis of 124I-PPMN for Enhanced Retention in Tumors of Prostate Cancer Xenograft Mice. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 7685-7695.	3.3	1
18	Multimodal Imaging Technology Effectively Monitors HER2 Expression in Tumors Using Trastuzumab-Coupled Organic Nanoparticles in Patient-Derived Xenograft Mice Models. <i>Frontiers in Oncology</i> , 2021, 11, 778728.	1.3	3

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19	Initial evaluation of ^{99m} Tc-labeled anti- α -carcinoembryonic antigen single-chain fragment variable for micro-single-photon emission computed tomography imaging in mice with colorectal cancer. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2021, , .	0.5	0
20	Evaluation of a novel monoclonal antibody mAb109 by immuno-PET/fluorescent imaging for noninvasive lung adenocarcinoma diagnosis. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 101-109.	2.8	6
21	Construction of ¹²⁴ I-trastuzumab for noninvasive PET imaging of HER2 expression: from patient-derived xenograft models to gastric cancer patients. <i>Gastric Cancer</i> , 2020, 23, 614-626.	2.7	23
22	Evaluation of ⁶⁴ Cu radiolabeled anti-hPD-L1 Nb6 for positron emission tomography imaging in lung cancer tumor mice model. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126915.	1.0	11
23	⁶⁸ Ga-ZHER2 PET/CT Reveals HER2-Positive Metastatic Gastric Cancer With Better Image Quality Than ¹⁸ F-FDG. <i>Clinical Nuclear Medicine</i> , 2020, 45, e101-e102.	0.7	4
24	Construction and Preclinical Evaluation of a ¹²⁴ I-Labelled Radiotracer for the Detection of Mesothelin-Overexpressing Cancer. <i>Molecular Pharmaceutics</i> , 2020, 17, 1875-1883.	2.3	2
25	Training the next generation of radiopharmaceutical scientists. <i>Nuclear Medicine and Biology</i> , 2020, 88-89, 10-13.	0.3	7
26	⁶⁴ Cu-labeled melanin nanoparticles for PET/CT and radionuclide therapy of tumor. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102248.	1.7	16
27	Dynamic PET/CT imaging of ¹⁸ F-(2S, 4R)4-fluoroglutamine in healthy volunteers and oncological patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2280-2292.	3.3	12
28	⁶⁸ Ga-PSMA PET/CT Combined with PET/Ultrasound-Guided Prostate Biopsy Can Diagnose Clinically Significant Prostate Cancer in Men with Previous Negative Biopsy Results. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1314-1319.	2.8	47
29	Clinical Translation of a ⁶⁸ Ga-Labeled Integrin α _v β ₆ Targeting Cyclic Radiotracer for PET Imaging of Pancreatic Cancer. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1461-1467.	2.8	25
30	Evaluation of Pan-SSTRs Targeted Radioligand [⁶⁴ Cu]NOTA-PA1 Using Micro-PET Imaging in Xenografted Mice. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 445-450.	1.3	4
31	Evaluation of ¹²⁴ I-JS001 for hPD1 immuno-PET imaging using sarcoma cell homografts in humanized mice. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 1321-1330.	5.7	20
32	Evaluation of ¹¹¹ In-DOTA-F56 peptide targeting VEGFR1 for potential non-invasive gastric cancer xenografted tumor mice Micro-SPECT imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127248.	1.0	3
33	Synthesis and bioevaluation of novel radioiodinated PEG-modified 2-nitroimidazole derivatives for tumor hypoxia imaging. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 321, 943-954.	0.7	6
34	Development of ^{99m} Tc-conjugated JS001 antibody for in vivo mapping of PD-1 distribution in murine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 2178-2181.	1.0	8
35	Multimodality imaging of naturally active melanin nanoparticles targeting somatostatin receptor subtype 2 in human small-cell lung cancer. <i>Nanoscale</i> , 2019, 11, 14400-14409.	2.8	27
36	Construction of Anti-hPD-L1 HCAb Nb6 and <i>in Situ</i> ¹²⁴ I Labeling for Noninvasive Detection of PD-L1 Expression in Human Bone Sarcoma. <i>Bioconjugate Chemistry</i> , 2019, 30, 2614-2623.	1.8	18

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37	A nano-cocktail of an NIR-II emissive fluorophore and organoplatinum(<i>ii</i>) metallacycle for efficient cancer imaging and therapy. <i>Chemical Science</i> , 2019, 10, 7023-7028.	3.7	98
38	Initial experience in synthesis of (<i>S</i>), (<i>R</i>)- ¹⁸ F]fluoroglutamine for clinical application. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2019, 62, 209-214.	0.5	2
39	Synthesis and Bioevaluation of Novel [¹⁸ F]FDG-Conjugated 2-Nitroimidazole Derivatives for Tumor Hypoxia Imaging. <i>Molecular Pharmaceutics</i> , 2019, 16, 2118-2128.	2.3	12
40	Preclinical Evaluation and Pilot Clinical Study of Al ¹⁸ F-PSMA-BCH for Prostate Cancer PET Imaging. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1284-1292.	2.8	56
41	The Correlation Between [⁶⁸ Ga]DOTATATE PET/CT and Cell Proliferation in Patients With GEP-NENs. <i>Molecular Imaging and Biology</i> , 2019, 21, 984-990.	1.3	17
42	Targeting CAIX with [⁶⁴ Cu]XYMSR-06 Small Molecular Radiotracer Enables Noninvasive PET Imaging of Malignant Glioma in U87 MG Tumor Cell Xenograft Mice. <i>Molecular Pharmaceutics</i> , 2019, 16, 1532-1540.	2.3	14
43	(2 <i>S</i> ,4 <i>R</i>)-4-[¹⁸ F]Fluoroglutamine as a PET Indicator for Bone Marrow Metabolism Dysfunctional: from Animal Experiments to Clinical Application. <i>Molecular Imaging and Biology</i> , 2019, 21, 945-953.	1.3	9
44	Enhancing Anti-PD-1/PD-L1 Immune Checkpoint Inhibitory Cancer Therapy by CD276-Targeted Photodynamic Ablation of Tumor Cells and Tumor Vasculature. <i>Molecular Pharmaceutics</i> , 2019, 16, 339-348.	2.3	66
45	Synthesis and preclinical evaluation of ⁶⁸ Ga-PSMA-BCH for prostate cancer imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 933-937.	1.0	4
46	Metformin Reduces Renal Uptake of Radiotracers and Protects Kidneys from Radiation-Induced Damage. <i>Molecular Pharmaceutics</i> , 2019, 16, 808-815.	2.3	12
47	Preparation and Preliminary Molecular Imaging Study of ¹²⁴ I in-situ Labeled Organic Melanin Nanoparticles. <i>Acta Chimica Sinica</i> , 2019, 77, 172.	0.5	3
48	Pregnane X receptor mediates sorafenib resistance in advanced hepatocellular carcinoma. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1017-1030.	1.1	80
49	Design, Synthesis, and Biological Evaluation of ⁶⁸ Ga-DOTA-PA1 for Lung Cancer: A Novel PET Tracer for Multiple Somatostatin Receptor Imaging. <i>Molecular Pharmaceutics</i> , 2018, 15, 619-628.	2.3	18
50	Noninvasive small-animal imaging of galectin-1 upregulation for predicting tumor resistance to radiotherapy. <i>Biomaterials</i> , 2018, 158, 1-9.	5.7	15
51	Novel dual-function near-infrared II fluorescence and PET probe for tumor delineation and image-guided surgery. <i>Chemical Science</i> , 2018, 9, 2092-2097.	3.7	149
52	⁶⁸ Ga-PSMA-617 PET/CT: a promising new technique for predicting risk stratification and metastatic risk of prostate cancer patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1852-1861.	3.3	54
53	Imaging Brain Metastasis Patients With ¹⁸ F-(2 <i>S</i> ,4 <i>R</i>)-4-Fluoroglutamine. <i>Clinical Nuclear Medicine</i> , 2018, 43, e392-e399.	0.7	22
54	Production, quality control of next-generation PET radioisotope iodine-124 and its thyroid imaging. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1999-2006.	0.7	11

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55	Noninvasive Detection of HER2 Expression in Gastric Cancer by ⁶⁴ Cu-NOTA-Trastuzumab in PDX Mouse Model and in Patients. <i>Molecular Pharmaceutics</i> , 2018, 15, 5174-5182.	2.3	18
56	Development of a novel albumin-based and maleimidopropionic acid-conjugated peptide with prolonged half-life and increased <i>in vivo</i> anti-tumor efficacy. <i>Theranostics</i> , 2018, 8, 2094-2106.	4.6	24
57	Clinical and Prognostic Value of PET/CT Imaging with Combination of ⁶⁸ Ga-DOTATATE and ¹⁸ F-FDG in Gastroenteropancreatic Neuroendocrine Neoplasms. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-9.	0.4	58
58	PET Imaging of ¹⁸ F-(2 <i>S</i> ,4 <i>R</i>)-4-Fluoroglutamine Accumulation in Breast Cancer: From Xenografts to Patients. <i>Molecular Pharmaceutics</i> , 2018, 15, 3448-3455.	2.3	18
59	Novel ¹⁸ F-Labeled 1-Hydroxyanthraquinone Derivatives for Necrotic Myocardium Imaging. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 191-195.	1.3	7
60	¹²⁵ I- ⁵⁶ Peptide as Radioanalysis Agent Targeting VEGFR1 in Mice Xenografted with Human Gastric Tumor. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 266-269.	1.3	7
61	⁶⁸ Ga/ ¹⁷⁷ Lu-labeled DOTA-TATE shows similar imaging and biodistribution in neuroendocrine tumor model. <i>Tumor Biology</i> , 2017, 39, 101042831770551.	0.8	24
62	In vitro and in vivo evaluation of a ⁶⁴ Cu-labeled propylene amine oxime complex as a potential hypoxia imaging agent bearing two 3-nitrotriazole groups. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 111-118.	0.7	4
63	Establishing Reliable Cu-64 Production Process: From Target Plating to Molecular Specific Tumor Micro-PET Imaging. <i>Molecules</i> , 2017, 22, 641.	1.7	33
64	⁶⁴ Cu-PSMA-617: A novel PSMA-targeted radio-tracer for PET imaging in gastric adenocarcinoma xenografted mice model. <i>Oncotarget</i> , 2017, 8, 74159-74169.	0.8	22
65	Radio-synthesis and mass spectrometry analysis of ⁶⁸ Ga-DKFZ-PSMA-617 for non-invasive prostate cancer PET imaging. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 309, 575.	0.7	4
66	Synthesis and biological evaluation of ⁶⁸ Ga-labeled Pteroyl-Lys conjugates for folate receptor-targeted tumor imaging. <i>Journal of Labeled Compounds and Radiopharmaceuticals</i> , 2016, 59, 346-353.	0.5	5
67	Synthesis and evaluation of Cy5.5-Rit tracer for specific near-infrared fluorescence imaging of sentinel lymph node. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 4233-4236.	1.0	6
68	Synthesis of Site-Specific Radiolabeled Antibodies for Radioimmunotherapy via Genetic Code Expansion. <i>Bioconjugate Chemistry</i> , 2016, 27, 2460-2468.	1.8	20
69	Design and radio-synthesis of somatostatin receptors targeted ⁶⁸ Ga-DOTA-Benereotide for non-invasive PET imaging. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 1069-1075.	0.7	2
70	Clinical Evaluation of ^{99m} Tc-Rituximab for Sentinel Lymph Node Mapping in Breast Cancer Patients. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1214-1220.	2.8	18
71	Synthesis and radiolabeling of ⁶⁴ Cu-labeled 2-nitroimidazole derivative ⁶⁴ Cu-BMS2P2 for hypoxia imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1397-1400.	1.0	14
72	Synthesis and Evaluation of ¹¹¹ In-DOTA-mAb109 Monoclonal Antibody for Potential SPECT Molecular Imaging. <i>Acta Chimica Sinica</i> , 2015, 73, 36.	0.5	2

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73	Near-Infrared Fluorescence Imaging of Non-Hodgkin's Lymphoma CD20 Expression Using Cy7-Conjugated Obinutuzumab. <i>Molecular Imaging and Biology</i> , 2014, 16, 877-887.	1.3	13
74	Synthesis and radiolabeling of ^{111}In -core-cross linked polymeric micelle-octreotide for near-infrared fluoroscopy and single photon emission computed tomography imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2781-2785.	1.0	15
75	Design and Synthesis of ^{111}In -CCPM-RGD Nanoparticles for Dual-modality Molecular Imaging. <i>Acta Chimica Sinica</i> , 2014, 72, 427.	0.5	0
76	Synthesis and evaluation of ^{111}In -labeled d-glucose as a potential SPECT imaging agent. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 1371-1375.	0.7	8
77	Preparation and biological evaluation of $^{99\text{m}}\text{Tc}$ -N4IPA for single photon emission computerized tomography imaging of hypoxia in mouse tumor. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 223-231.	2.6	20
78	Design, Synthesis and Evaluation of Dual-Modality Glyco-Nanoparticles for Tumor Imaging. <i>Molecules</i> , 2013, 18, 6425-6438.	1.7	14
79	Synthesis and characterization of well-defined l-lactic acid-caprolactone co-oligomers and their rhenium (I) and technetium(I) conjugates. <i>Journal of Organometallic Chemistry</i> , 2012, 716, 95-102.	0.8	4
80	Synthesis and evaluation of fluoroethyl cyclofenil analogs: Models for potential estrogen receptor imaging agent. <i>Journal of Fluorine Chemistry</i> , 2012, 139, 46-52.	0.9	3
81	Synthesis and Evaluation of New Nuclides Ga-68 Labeled D-Glucose for Potential PET Imaging Agent. <i>Acta Chimica Sinica</i> , 2012, 70, 1066.	0.5	3
82	Synthesis and characterization of well-defined lactic acid-PEG cooligomers and its tricarbonyl rhenium conjugates. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1745-1752.	2.5	7
83	Design, synthesis, and evaluation of cyclofenil derivatives for potential SPECT imaging agents. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 591-599.	1.1	11
84	Radiosynthesis and micro-SPECT imaging of $^{99\text{m}}\text{Tc}$ -dendrimer poly(amido)-amine folic acid conjugate. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 927-931.	1.0	60
85	Practical Synthesis of FEt-penta-cyclofenil and Its Derivatives for Potential PET Imaging. <i>Synthetic Communications</i> , 2010, 40, 3322-3331.	1.1	3
86	Synthesis, Biodistribution, and Microsingle Photon Emission Computed Tomography (SPECT) Imaging Study of Technetium-99m Labeled PEGylated Dendrimer Poly(amidoamine) (PAMAM)-Folic Acid Conjugates. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 3262-3272.	2.9	119
87	Synthesis and binding affinities of Re(I) and $^{99\text{m}}\text{Tc}$ (I)-containing $^{16}\alpha$ -substituted estradiol complexes: Models for potential breast cancer imaging agents. <i>Steroids</i> , 2010, 75, 905-911.	0.8	16
88	Radioactive synthesis and biodistribution study of ^{125}I -elemene- $^{99\text{m}}\text{Tc}(\text{CO})_3$ conjugates. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 899-904.	1.1	4
89	Synthesis and characterization of organometallic rhenium(I) and technetium(I) bile acid complexes. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3247-3253.	0.8	13
90	Synthesis and in vitro anti-proliferative activity of ^{125}I -elemene monosubstituted derivatives in HeLa cells mediated through arrest of cell cycle at the G1 phase. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 1118-1124.	1.4	38

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91	Pharmacokinetics and biodistribution of near-infrared fluorescence polymeric nanoparticles. <i>Nanotechnology</i> , 2009, 20, 165101.	1.3	81
92	Synthesis and antimicrobial evaluation of bile acid tridentate conjugates. <i>Steroids</i> , 2009, 74, 701-706.	0.8	21
93	Synthesis and preliminary biological evaluation of the ^{99m} Tc labeled nitrobenzimidazole and nitrotriazole as tumor hypoxia markers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 1831-1833.	1.0	32