

Zhaofei Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

3,764
citations

36
h-index

59
g-index

94
ext. papers

4,278
ext. citations

7.8
avg, IF

5.06
L-index

#	Paper	IF	Citations
91	Galectin expression detected by Ga-galactracer PET as a predictive biomarker of radiotherapy resistance.. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022 , 1	8.8	0
90	A self-triggered radioligand therapy agent for fluorescence imaging of the treatment response in prostate cancer.. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022 , 1	8.8	1
89	ICAM-1 orchestrates the abscopal effect of tumor radiotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
88	Molecular PET/CT Profiling of ACE2 Expression In Vivo: Implications for Infection and Outcome from SARS-CoV-2. <i>Advanced Science</i> , 2021 , 8, e2100965	13.6	5
87	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	9.4	2
86	JFK Is a Hypoxia-Inducible Gene That Functions to Promote Breast Carcinogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 686737	5.7	0
85	Clinical Translation of a Ga-Labeled Integrin α 5 β 1-Targeting Cyclic Radiotracer for PET Imaging of Pancreatic Cancer. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 1461-1467	8.9	10
84	Evaluation of 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	2.9	5
83	Noninvasive PET tracking of post-transplant gut microbiota in living mice. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 991-1002	8.8	4
82	Nuclear imaging-guided PD-L1 blockade therapy increases effectiveness of cancer immunotherapy 2020 , 8,		8
81	HOXB13 networking with ABCG1/EZH2/Slug mediates metastasis and confers resistance to cisplatin in lung adenocarcinoma patients. <i>Theranostics</i> , 2019 , 9, 2084-2099	12.1	27
80	Ceria Nanoparticles Meet Hepatic Ischemia-Reperfusion Injury: The Perfect Imperfection. <i>Advanced Materials</i> , 2019 , 31, e1902956	24	76
79	The deubiquitylase OTUD3 stabilizes GRP78 and promotes lung tumorigenesis. <i>Nature Communications</i> , 2019 , 10, 2914	17.4	30
78	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	5.6	38
77	Molecular imaging of diabetes and diabetic complications: Beyond pancreatic β cell targeting. <i>Advanced Drug Delivery Reviews</i> , 2019 , 139, 32-50	18.5	8
76	Noninvasive small-animal imaging of galectin-1 upregulation for predicting tumor resistance to radiotherapy. <i>Biomaterials</i> , 2018 , 158, 1-9	15.6	12
75	Small-animal SPECT/CT imaging of cancer xenografts and pulmonary fibrosis using a Tc-labeled integrin α 5 β 1-targeting cyclic peptide with improved stability. <i>Biophysics Reports</i> , 2018 , 4, 254-264	3.5	11

74	Molybdenum-based nanoclusters act as antioxidants and ameliorate acute kidney injury in mice. <i>Nature Communications</i> , 2018 , 9, 5421	17.4	100
73	Synergistic enzymatic and bioorthogonal reactions for selective prodrug activation in living systems. <i>Nature Communications</i> , 2018 , 9, 5032	17.4	93
72	Chemotherapy-Induced Macrophage Infiltration into Tumors Enhances Nanographene-Based Photodynamic Therapy. <i>Cancer Research</i> , 2017 , 77, 6021-6032	10.1	13
71	Inhibiting Metastasis and Preventing Tumor Relapse by Triggering Host Immunity with Tumor-Targeted Photodynamic Therapy Using Photosensitizer-Loaded Functional Nanographenes. <i>ACS Nano</i> , 2017 , 11, 10147-10158	16.7	134
70	Nanoparticle-mediated local depletion of tumour-associated platelets disrupts vascular barriers and augments drug accumulation in tumours. <i>Nature Biomedical Engineering</i> , 2017 , 1, 667-679	19	87
69	Noninvasive Imaging of CD206-Positive M2 Macrophages as an Early Biomarker for Post-Chemotherapy Tumor Relapse and Lymph Node Metastasis. <i>Theranostics</i> , 2017 , 7, 4276-4288	12.1	57
68	Radiolabeled novel mAb 4G1 for immunoSPECT imaging of EGFRvIII expression in preclinical glioblastoma xenografts. <i>Oncotarget</i> , 2017 , 8, 6364-6375	3.3	4
67	Molecular Imaging of Post-Src Inhibition Tumor Signatures for Guiding Dasatinib Combination Therapy. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 321-6	8.9	7
66	Inhibition of tumor growth and metastasis by photoimmunotherapy targeting tumor-associated macrophage in a sorafenib-resistant tumor model. <i>Biomaterials</i> , 2016 , 84, 1-12	15.6	65
65	Small-Animal SPECT/CT of the Progression and Recovery of Rat Liver Fibrosis by Using an Integrin $\alpha_5\beta_1$ -targeting Radiotracer. <i>Radiology</i> , 2016 , 279, 502-12	20.5	21
64	Enhanced Anti-Tumor Efficacy through a Combination of Integrin $\alpha_5\beta_1$ -Targeted Photodynamic Therapy and Immune Checkpoint Inhibition. <i>Theranostics</i> , 2016 , 6, 627-37	12.1	71
63	SPECT/NIRF Dual Modality Imaging for Detection of Intraperitoneal Colon Tumor with an Avidin/Biotin Pretargeting System. <i>Scientific Reports</i> , 2016 , 6, 18905	4.9	21
62	^{99m}Tc -Glu-c(RGDyK)-Bombesin SPECT Can Reduce Unnecessary Biopsy of Masses That Are BI-RADS Category 4 on Ultrasonography. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 1196-200	8.9	5
61	Integrin Imaging with Tc-3PRGD2 SPECT/CT Shows High Specificity in the Diagnosis of Lymph Node Metastasis from Non-Small Cell Lung Cancer. <i>Radiology</i> , 2016 , 281, 958-966	20.5	21
60	(^{68}Ga)-labeled 3PRGD2 for dual PET and Cerenkov luminescence imaging of orthotopic human glioblastoma. <i>Bioconjugate Chemistry</i> , 2015 , 26, 1054-60	6.3	16
59	A near-infrared phthalocyanine dye-labeled agent for integrin $\alpha_5\beta_1$ -targeted theranostics of pancreatic cancer. <i>Biomaterials</i> , 2015 , 53, 229-38	15.6	33
58	Radioligand saturation binding for quantitative analysis of ligand-receptor interactions. <i>Biophysics Reports</i> , 2015 , 1, 148-155	3.5	16
57	Molecular imaging of tumor-infiltrating macrophages in a preclinical mouse model of breast cancer. <i>Theranostics</i> , 2015 , 5, 597-608	12.1	51

56	Serial in vivo imaging using a fluorescence probe allows identification of tumor early response to cetuximab immunotherapy. <i>Molecular Pharmaceutics</i> , 2015 , 12, 10-7	5.6	10
55	Recent Advances in Molecular Image-Guided Cancer Radionuclide Therapy. <i>Current Drug Targets</i> , 2015 , 16, 634-44	3	
54	Longitudinal monitoring of tumor antiangiogenic therapy with near-infrared fluorophore-labeled agents targeted to integrin $\alpha_5\beta_1$ and vascular endothelial growth factor. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014 , 41, 1428-39	8.8	11
53	Integrin $\alpha_5\beta_1$ Targeted SPECT Imaging for Pancreatic Cancer Detection. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 989-94	8.9	42
52	PET imaging of neovascularization with (68)Ga-3PRGD2 for assessing tumor early response to Endostar antiangiogenic therapy. <i>Molecular Pharmaceutics</i> , 2014 , 11, 3915-22	5.6	25
51	¹⁷⁷ Lu-labeled antibodies for EGFR-targeted SPECT/CT imaging and radioimmunotherapy in a preclinical head and neck carcinoma model. <i>Molecular Pharmaceutics</i> , 2014 , 11, 800-7	5.6	35
50	(68)Ga-PRGD2 PET/CT in the evaluation of Glioma: a prospective study. <i>Molecular Pharmaceutics</i> , 2014 , 11, 3923-9	5.6	42
49	Molecular imaging reveals trastuzumab-induced epidermal growth factor receptor downregulation in vivo. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1002-7	8.9	16
48	Early assessment of tumor response to gefitinib treatment by noninvasive optical imaging of tumor vascular endothelial growth factor expression in animal models. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 818-23	8.9	19
47	Anti-tumor effect of integrin targeted (177)Lu-3PRGD2 and combined therapy with Endostar. <i>Theranostics</i> , 2014 , 4, 256-66	12.1	22
46	Molecular imaging of integrin $\alpha_5\beta_1$ expression in living subjects. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2014 , 4, 333-45	2.2	17
45	Development of RGD-based radiotracers for tumor imaging and therapy: translating from bench to bedside. <i>Current Molecular Medicine</i> , 2013 , 13, 1487-505	2.5	37
44	(99m)Tc-labeled dimeric octreotide peptide: a radiotracer with high tumor uptake for single-photon emission computed tomography imaging of somatostatin receptor subtype 2-positive tumors. <i>Molecular Pharmaceutics</i> , 2013 , 10, 2925-33	5.6	17
43	Noninvasive detection of human-induced pluripotent stem cell (hiPSC)-derived teratoma with an integrin-targeting agent (99m)Tc-3PRGD2. <i>Molecular Imaging and Biology</i> , 2013 , 15, 58-67	3.8	7
42	Evaluation of ¹⁸⁸ Re-MAG2-RGD-bombesin for potential prostate cancer therapy. <i>Nuclear Medicine and Biology</i> , 2013 , 40, 182-9	2.1	13
41	NaGdF ₄ nanoparticle-based molecular probes for magnetic resonance imaging of intraperitoneal tumor xenografts in vivo. <i>ACS Nano</i> , 2013 , 7, 330-8	16.7	183
40	Technetium 99m-labeled VQ Peptide: A New Imaging Agent for the Early Detection of Tumors or Premalignancies. <i>Molecular Imaging</i> , 2013 , 12, 7290.2012.00047	3.7	1
39	RGD-Based Molecular Probes for Integrin $\alpha_5\beta_1$ Imaging. <i>Advanced Topics in Science and Technology in China</i> , 2013 , 513-538	0.2	

38	99mTc-labeled RGD-BBN peptide for small-animal SPECT/CT of lung carcinoma. <i>Molecular Pharmaceutics</i> , 2012 , 9, 1409-17	5.6	47
37	99mTc-3PRGD2 for integrin receptor imaging of lung cancer: a multicenter study. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 716-22	8.9	91
36	Integrin targeted delivery of radiotherapeutics. <i>Theranostics</i> , 2011 , 1, 201-10	12.1	36
35	Specific targeting of human integrin $\alpha_5\beta_1$ with (111)In-labeled Abegrin α_5 in nude mouse models. <i>Molecular Imaging and Biology</i> , 2011 , 13, 112-20	3.8	22
34	Blood clearance kinetics, biodistribution, and radiation dosimetry of a kit-formulated integrin $\alpha_5\beta_1$ -selective radiotracer 99mTc-3PRGD 2 in non-human primates. <i>Molecular Imaging and Biology</i> , 2011 , 13, 730-6	3.8	63
33	Phage display peptide probes for imaging early response to bevacizumab treatment. <i>Amino Acids</i> , 2011 , 41, 1103-12	3.5	16
32	Two α -labeled multimeric RGD peptides RGD4 and 3PRGD2 for integrin targeted radionuclide therapy. <i>Molecular Pharmaceutics</i> , 2011 , 8, 591-9	5.6	30
31	Dual-modality monitoring of tumor response to cyclophosphamide therapy in mice with bioluminescence imaging and small-animal positron emission tomography. <i>Molecular Imaging</i> , 2011 , 10, 278-83	3.7	20
30	PET tracers based on (86)Y. <i>Current Radiopharmaceuticals</i> , 2011 , 4, 122-30	1.8	11
29	MicroPET Imaging of Breast Cancer with a Dual-Targeted Molecular Probe 68Ga-RGD-BBN. <i>Sheng Wu Wu Li Hsueh Bao</i> , 2011 , 27, 335-344		2
28	Tumor uptake of the RGD dimeric probe (99m)Tc-G3-2P4-RGD2 is correlated with integrin $\alpha_5\beta_1$ expressed on both tumor cells and neovasculature. <i>Bioconjugate Chemistry</i> , 2010 , 21, 548-55	6.3	55
27	Radioimmunotherapy of human colon cancer xenografts with 131I-labeled anti-CEA monoclonal antibody. <i>Bioconjugate Chemistry</i> , 2010 , 21, 314-8	6.3	18
26	Epidermal growth factor receptor-targeted radioimmunotherapy of human head and neck cancer xenografts using 90Y-labeled fully human antibody panitumumab. <i>Molecular Cancer Therapeutics</i> , 2010 , 9, 2297-308	6.1	28
25	Optical Imaging of Integrin $\alpha_5\beta_1$ Expression with Near-Infrared Fluorescent RGD Dimer with Tetra(ethylene glycol) Linkers. <i>Molecular Imaging</i> , 2010 , 9, 7290.2009.00032	3.7	20
24	Potential therapeutic radiotracers: preparation, biodistribution and metabolic characteristics of 177Lu-labeled cyclic RGDfK dimer. <i>Amino Acids</i> , 2010 , 39, 111-20	3.5	17
23	18F-labeled galacto and PEGylated RGD dimers for PET imaging of $\alpha_5\beta_1$ integrin expression. <i>Molecular Imaging and Biology</i> , 2010 , 12, 530-8	3.8	120
22	Optical imaging of integrin $\alpha_5\beta_1$ expression with near-infrared fluorescent RGD dimer with tetra(ethylene glycol) linkers. <i>Molecular Imaging</i> , 2010 , 9, 21-9	3.7	21
21	Dual-targeted molecular probes for cancer imaging. <i>Current Pharmaceutical Biotechnology</i> , 2010 , 11, 610-9	2.6	20

20	Phage display applications for molecular imaging. <i>Current Pharmaceutical Biotechnology</i> , 2010 , 11, 603-92.6	9
19	In-vitro internalization and in-vivo tumor uptake of anti-EGFR monoclonal antibody LA22 in A549 lung cancer cells and animal model. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2009 , 24, 15-24	3.9 20
18	Noninvasive de novo imaging of human embryonic stem cell-derived teratoma formation. <i>Cancer Research</i> , 2009 , 69, 2709-13	10.1 50
17	(68)Ga-labeled cyclic RGD dimers with Gly3 and PEG4 linkers: promising agents for tumor integrin alphavbeta3 PET imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 947-57	8.8 123
16	Noninvasive imaging of tumor integrin expression using (18)F-labeled RGD dimer peptide with PEG (4) linkers. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 1296-307	8.8 102
15	(68)Ga-labeled NOTA-RGD-BBN peptide for dual integrin and GRPR-targeted tumor imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 1483-94	8.8 102
14	Improving tumor-targeting capability and pharmacokinetics of (99m)Tc-labeled cyclic RGD dimers with PEG(4) linkers. <i>Molecular Pharmaceutics</i> , 2009 , 6, 231-45	5.6 120
13	Improving tumor uptake and pharmacokinetics of (64)Cu-labeled cyclic RGD peptide dimers with Gly(3) and PEG(4) linkers. <i>Bioconjugate Chemistry</i> , 2009 , 20, 750-9	6.3 116
12	(18)F, (64)Cu, and (68)Ga labeled RGD-bombesin heterodimeric peptides for PET imaging of breast cancer. <i>Bioconjugate Chemistry</i> , 2009 , 20, 1016-25	6.3 116
11	A novel type of dual-modality molecular probe for MR and nuclear imaging of tumor: preparation, characterization and in vivo application. <i>Molecular Pharmaceutics</i> , 2009 , 6, 1074-82	5.6 70
10	Dual integrin and gastrin-releasing peptide receptor targeted tumor imaging using 18F-labeled PEGylated RGD-bombesin heterodimer 18F-FB-PEG3-Glu-RGD-BBN. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 425-32	8.3 103
9	Small-animal PET of tumors with (64)Cu-labeled RGD-bombesin heterodimer. <i>Journal of Nuclear Medicine</i> , 2009 , 50, 1168-77	8.9 103
8	99mTc-labeled bombesin(7-14)NH ₂ with favorable properties for SPECT imaging of colon cancer. <i>Bioconjugate Chemistry</i> , 2008 , 19, 1170-8	6.3 38
7	Linker effects on biological properties of 111In-labeled DTPA conjugates of a cyclic RGDfK dimer. <i>Bioconjugate Chemistry</i> , 2008 , 19, 201-10	6.3 43
6	Improving tumor uptake and excretion kinetics of 99mTc-labeled cyclic arginine-glycine-aspartic (RGD) dimers with triglycine linkers. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 7980-90	8.3 103
5	Integrin alphavbeta3-targeted radioimmunotherapy of glioblastoma multiforme. <i>Clinical Cancer Research</i> , 2008 , 14, 7330-9	12.9 67
4	In vivo gamma imaging of the secondary tumors of transplanted human fetal striatum neural stem cells-derived primary tumor cells. <i>NeuroReport</i> , 2008 , 19, 1009-14	1.7 4
3	Integrin alpha(v)beta(3)-Targeted Cancer Therapy. <i>Drug Development Research</i> , 2008 , 69, 329-339	5.1 205

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| 2 | 99mTc-labeled cyclic RGDfK dimer: initial evaluation for SPECT imaging of glioma integrin alphavbeta3 expression. <i>Bioconjugate Chemistry</i> , 2006 , 17, 1069-76 | 6.3 | 61 |
| 1 | Inhibition of human tumor xenograft growth in nude mice by a conjugate of monoclonal antibody LA22 to epidermal growth factor receptor with anti-tumor antibiotics mitomycin C. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 349, 816-24 | 3.4 | 10 |