

# Zhaofei Liu

## List of Publications by Citations

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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	Integrin alpha(v)beta(3)-Targeted Cancer Therapy. <i>Drug Development Research</i> , <b>2008</b> , 69, 329-339	5.1	205
90	NaGdF <sub>4</sub> nanoparticle-based molecular probes for magnetic resonance imaging of intraperitoneal tumor xenografts in vivo. <i>ACS Nano</i> , <b>2013</b> , 7, 330-8	16.7	183
89	Inhibiting Metastasis and Preventing Tumor Relapse by Triggering Host Immunity with Tumor-Targeted Photodynamic Therapy Using Photosensitizer-Loaded Functional Nanographenes. <i>ACS Nano</i> , <b>2017</b> , 11, 10147-10158	16.7	134
88	(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> , <b>2009</b> , 36, 947-57	8.8	123
87	Improving tumor-targeting capability and pharmacokinetics of (99m)Tc-labeled cyclic RGD dimers with PEG(4) linkers. <i>Molecular Pharmaceutics</i> , <b>2009</b> , 6, 231-45	5.6	120
86	18F-labeled galacto and PEGylated RGD dimers for PET imaging of $\alpha_5\beta_1$ integrin expression. <i>Molecular Imaging and Biology</i> , <b>2010</b> , 12, 530-8	3.8	120
85	Improving tumor uptake and pharmacokinetics of (64)Cu-labeled cyclic RGD peptide dimers with Gly(3) and PEG(4) linkers. <i>Bioconjugate Chemistry</i> , <b>2009</b> , 20, 750-9	6.3	116
84	(18)F, (64)Cu, and (68)Ga labeled RGD-bombesin heterodimeric peptides for PET imaging of breast cancer. <i>Bioconjugate Chemistry</i> , <b>2009</b> , 20, 1016-25	6.3	116
83	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> , <b>2009</b> , 52, 425-32	8.3	103
82	Small-animal PET of tumors with (64)Cu-labeled RGD-bombesin heterodimer. <i>Journal of Nuclear Medicine</i> , <b>2009</b> , 50, 1168-77	8.9	103
81	Improving tumor uptake and excretion kinetics of 99mTc-labeled cyclic arginine-glycine-aspartic (RGD) dimers with triglycine linkers. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 7980-90	8.3	103
80	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> , <b>2009</b> , 36, 1296-307	8.8	102
79	(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> , <b>2009</b> , 36, 1483-94	8.8	102
78	Molybdenum-based nanoclusters act as antioxidants and ameliorate acute kidney injury in mice. <i>Nature Communications</i> , <b>2018</b> , 9, 5421	17.4	100
77	Synergistic enzymatic and bioorthogonal reactions for selective prodrug activation in living systems. <i>Nature Communications</i> , <b>2018</b> , 9, 5032	17.4	93
76	99mTc-3PRGD2 for integrin receptor imaging of lung cancer: a multicenter study. <i>Journal of Nuclear Medicine</i> , <b>2012</b> , 53, 716-22	8.9	91
75	Nanoparticle-mediated local depletion of tumour-associated platelets disrupts vascular barriers and augments drug accumulation in tumours. <i>Nature Biomedical Engineering</i> , <b>2017</b> , 1, 667-679	19	87

74	Ceria Nanoparticles Meet Hepatic Ischemia-Reperfusion Injury: The Perfect Imperfection. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902956	24	76
73	Enhanced Anti-Tumor Efficacy through a Combination of Integrin $\alpha\beta$ -Targeted Photodynamic Therapy and Immune Checkpoint Inhibition. <i>Theranostics</i> , <b>2016</b> , 6, 627-37	12.1	71
72	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> , <b>2009</b> , 6, 1074-82	5.6	70
71	Integrin $\alpha\beta$ -targeted radioimmunotherapy of glioblastoma multiforme. <i>Clinical Cancer Research</i> , <b>2008</b> , 14, 7330-9	12.9	67
70	Inhibition of tumor growth and metastasis by photoimmunotherapy targeting tumor-associated macrophage in a sorafenib-resistant tumor model. <i>Biomaterials</i> , <b>2016</b> , 84, 1-12	15.6	65
69	Blood clearance kinetics, biodistribution, and radiation dosimetry of a kit-formulated integrin $\alpha\beta$ -selective radiotracer $^{99m}\text{Tc}$ -3PRGD 2 in non-human primates. <i>Molecular Imaging and Biology</i> , <b>2011</b> , 13, 730-6	3.8	63
68	$^{99m}\text{Tc}$ -labeled cyclic RGDfK dimer: initial evaluation for SPECT imaging of glioma integrin $\alpha\beta$ expression. <i>Bioconjugate Chemistry</i> , <b>2006</b> , 17, 1069-76	6.3	61
67	Noninvasive Imaging of CD206-Positive M2 Macrophages as an Early Biomarker for Post-Chemotherapy Tumor Relapse and Lymph Node Metastasis. <i>Theranostics</i> , <b>2017</b> , 7, 4276-4288	12.1	57
66	Tumor uptake of the RGD dimeric probe ( $^{99m}\text{Tc}$ )-G3-2P4-RGD2 is correlated with integrin $\alpha\beta$ expressed on both tumor cells and neovasculature. <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 548-55	6.3	55
65	Molecular imaging of tumor-infiltrating macrophages in a preclinical mouse model of breast cancer. <i>Theranostics</i> , <b>2015</b> , 5, 597-608	12.1	51
64	Noninvasive de novo imaging of human embryonic stem cell-derived teratoma formation. <i>Cancer Research</i> , <b>2009</b> , 69, 2709-13	10.1	50
63	$^{99m}\text{Tc}$ -labeled RGD-BBN peptide for small-animal SPECT/CT of lung carcinoma. <i>Molecular Pharmaceutics</i> , <b>2012</b> , 9, 1409-17	5.6	47
62	Linker effects on biological properties of $^{111}\text{In}$ -labeled DTPA conjugates of a cyclic RGDfK dimer. <i>Bioconjugate Chemistry</i> , <b>2008</b> , 19, 201-10	6.3	43
61	Integrin $\alpha\beta$ -Targeted SPECT Imaging for Pancreatic Cancer Detection. <i>Journal of Nuclear Medicine</i> , <b>2014</b> , 55, 989-94	8.9	42
60	( $^{68}\text{Ga}$ )-PRGD2 PET/CT in the evaluation of Glioma: a prospective study. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 3923-9	5.6	42
59	$^{99m}\text{Tc}$ -labeled bombesin(7-14)NH <sub>2</sub> with favorable properties for SPECT imaging of colon cancer. <i>Bioconjugate Chemistry</i> , <b>2008</b> , 19, 1170-8	6.3	38
58	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> , <b>2019</b> , 16, 339-348	5.6	38
57	Development of RGD-based radiotracers for tumor imaging and therapy: translating from bench to bedside. <i>Current Molecular Medicine</i> , <b>2013</b> , 13, 1487-505	2.5	37

56	Integrin targeted delivery of radiotherapeutics. <i>Theranostics</i> , <b>2011</b> , 1, 201-10	12.1	36
55	<sup>177</sup> Lu-labeled antibodies for EGFR-targeted SPECT/CT imaging and radioimmunotherapy in a preclinical head and neck carcinoma model. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 800-7	5.6	35
54	A near-infrared phthalocyanine dye-labeled agent for integrin $\alpha_5\beta_1$ -targeted theranostics of pancreatic cancer. <i>Biomaterials</i> , <b>2015</b> , 53, 229-38	15.6	33
53	The deubiquitylase OTUD3 stabilizes GRP78 and promotes lung tumorigenesis. <i>Nature Communications</i> , <b>2019</b> , 10, 2914	17.4	30
52	Two $\alpha_5$ -labeled multimeric RGD peptides RGD4 and 3PRGD2 for integrin targeted radionuclide therapy. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 591-9	5.6	30
51	Epidermal growth factor receptor-targeted radioimmunotherapy of human head and neck cancer xenografts using <sup>90</sup> Y-labeled fully human antibody panitumumab. <i>Molecular Cancer Therapeutics</i> , <b>2010</b> , 9, 2297-308	6.1	28
50	HOXB13 networking with ABCG1/EZH2/Slug mediates metastasis and confers resistance to cisplatin in lung adenocarcinoma patients. <i>Theranostics</i> , <b>2019</b> , 9, 2084-2099	12.1	27
49	PET imaging of neovascularization with ( <sup>68</sup> Ga)-3PRGD2 for assessing tumor early response to Endostar antiangiogenic therapy. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 3915-22	5.6	25
48	Anti-tumor effect of integrin targeted ( <sup>177</sup> Lu)-3PRGD2 and combined therapy with Endostar. <i>Theranostics</i> , <b>2014</b> , 4, 256-66	12.1	22
47	Specific targeting of human integrin $\alpha_5\beta_1$ with ( <sup>111</sup> In)-labeled Abegrin in nude mouse models. <i>Molecular Imaging and Biology</i> , <b>2011</b> , 13, 112-20	3.8	22
46	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> , <b>2016</b> , 279, 502-12	20.5	21
45	Optical imaging of integrin $\alpha_5\beta_1$ expression with near-infrared fluorescent RGD dimer with tetra(ethylene glycol) linkers. <i>Molecular Imaging</i> , <b>2010</b> , 9, 21-9	3.7	21
44	SPECT/NIRF Dual Modality Imaging for Detection of Intraperitoneal Colon Tumor with an Avidin/Biotin Pretargeting System. <i>Scientific Reports</i> , <b>2016</b> , 6, 18905	4.9	21
43	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> , <b>2016</b> , 281, 958-966	20.5	21
42	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 Radiopharmaceutics</i> , <b>2009</b> , 24, 15-24	3.9	20
41	Dual-modality monitoring of tumor response to cyclophosphamide therapy in mice with bioluminescence imaging and small-animal positron emission tomography. <i>Molecular Imaging</i> , <b>2011</b> , 10, 278-83	3.7	20
40	Optical Imaging of Integrin $\alpha_5\beta_1$ Expression with Near-Infrared Fluorescent RGD Dimer with Tetra(ethylene glycol) Linkers. <i>Molecular Imaging</i> , <b>2010</b> , 9, 7290.2009.00032	3.7	20
39	Dual-targeted molecular probes for cancer imaging. <i>Current Pharmaceutical Biotechnology</i> , <b>2010</b> , 11, 610-9	2.6	20

38	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> , <b>2014</b> , 55, 818-23	8.9	19
37	Radioimmunotherapy of human colon cancer xenografts with <sup>131</sup> I-labeled anti-CEA monoclonal antibody. <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 314-8	6.3	18
36	( <sup>99m</sup> 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> , <b>2013</b> , 10, 2925-33	5.6	17
35	Potential therapeutic radiotracers: preparation, biodistribution and metabolic characteristics of <sup>177</sup> Lu-labeled cyclic RGDfK dimer. <i>Amino Acids</i> , <b>2010</b> , 39, 111-20	3.5	17
34	Molecular imaging of integrin $\alpha_5\beta_1$ expression in living subjects. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2014</b> , 4, 333-45	2.2	17
33	( <sup>68</sup> Ga)-labeled 3PRGD2 for dual PET and Cerenkov luminescence imaging of orthotopic human glioblastoma. <i>Bioconjugate Chemistry</i> , <b>2015</b> , 26, 1054-60	6.3	16
32	Molecular imaging reveals trastuzumab-induced epidermal growth factor receptor downregulation in vivo. <i>Journal of Nuclear Medicine</i> , <b>2014</b> , 55, 1002-7	8.9	16
31	Radioligand saturation binding for quantitative analysis of ligand-receptor interactions. <i>Biophysics Reports</i> , <b>2015</b> , 1, 148-155	3.5	16
30	Phage display peptide probes for imaging early response to bevacizumab treatment. <i>Amino Acids</i> , <b>2011</b> , 41, 1103-12	3.5	16
29	Evaluation of <sup>188</sup> Re-MAG2-RGD-bombesin for potential prostate cancer therapy. <i>Nuclear Medicine and Biology</i> , <b>2013</b> , 40, 182-9	2.1	13
28	Chemotherapy-Induced Macrophage Infiltration into Tumors Enhances Nanographene-Based Photodynamic Therapy. <i>Cancer Research</i> , <b>2017</b> , 77, 6021-6032	10.1	13
27	Noninvasive small-animal imaging of galectin-1 upregulation for predicting tumor resistance to radiotherapy. <i>Biomaterials</i> , <b>2018</b> , 158, 1-9	15.6	12
26	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> , <b>2014</b> , 41, 1428-39	8.8	11
25	PET tracers based on ( <sup>86</sup> Y). <i>Current Radiopharmaceutics</i> , <b>2011</b> , 4, 122-30	1.8	11
24	Small-animal SPECT/CT imaging of cancer xenografts and pulmonary fibrosis using a Tc-labeled integrin $\alpha_5\beta_1$ -targeting cyclic peptide with improved stability. <i>Biophysics Reports</i> , <b>2018</b> , 4, 254-264	3.5	11
23	Clinical Translation of a Ga-Labeled Integrin $\alpha_5\beta_1$ -Targeting Cyclic Radiotracer for PET Imaging of Pancreatic Cancer. <i>Journal of Nuclear Medicine</i> , <b>2020</b> , 61, 1461-1467	8.9	10
22	Serial in vivo imaging using a fluorescence probe allows identification of tumor early response to cetuximab immunotherapy. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 10-7	5.6	10
21	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> , <b>2006</b> , 349, 816-24	3.4	10

20	Phage display applications for molecular imaging. <i>Current Pharmaceutical Biotechnology</i> , <b>2010</b> , 11, 603-92.6	9
19	Nuclear imaging-guided PD-L1 blockade therapy increases effectiveness of cancer immunotherapy <b>2020</b> , 8,	8
18	Molecular imaging of diabetes and diabetic complications: Beyond pancreatic $\beta$ cell targeting. <i>Advanced Drug Delivery Reviews</i> , <b>2019</b> , 139, 32-50	18.5 8
17	Molecular Imaging of Post-Src Inhibition Tumor Signatures for Guiding Dasatinib Combination Therapy. <i>Journal of Nuclear Medicine</i> , <b>2016</b> , 57, 321-6	8.9 7
16	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> , <b>2013</b> , 15, 58-67	3.8 7
15	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> , <b>2020</b> , 30, 126915	2.9 5
14	ICAM-1 orchestrates the abscopal effect of tumor radiotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5 5
13	Molecular PET/CT Profiling of ACE2 Expression In Vivo: Implications for Infection and Outcome from SARS-CoV-2. <i>Advanced Science</i> , <b>2021</b> , 8, e2100965	13.6 5
12	99mTc-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> , <b>2016</b> , 57, 1196-200	8.9 5
11	In vivo gamma imaging of the secondary tumors of transplanted human fetal striatum neural stem cells-derived primary tumor cells. <i>NeuroReport</i> , <b>2008</b> , 19, 1009-14	1.7 4
10	Radiolabeled novel mAb 4G1 for immunoSPECT imaging of EGFRvIII expression in preclinical glioblastoma xenografts. <i>Oncotarget</i> , <b>2017</b> , 8, 6364-6375	3.3 4
9	Noninvasive PET tracking of post-transplant gut microbiota in living mice. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2020</b> , 47, 991-1002	8.8 4
8	MicroPET Imaging of Breast Cancer with a Dual-Targeted Molecular Probe 68Ga-RGD-BBN. <i>Sheng Wu Wu Li Hsueh Bao</i> , <b>2011</b> , 27, 335-344	2
7	Metabolic radiolabeling and in vivo PET imaging of cytotoxic T lymphocytes to guide combination adoptive cell transfer cancer therapy. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 175	9.4 2
6	Technetium 99m-labeled VQ Peptide: A New Imaging Agent for the Early Detection of Tumors or Premalignancies. <i>Molecular Imaging</i> , <b>2013</b> , 12, 7290.2012.00047	3.7 1
5	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> , <b>2022</b> , 1	8.8 1
4	Galectin expression detected by Ga-galectracer PET as a predictive biomarker of radiotherapy resistance.. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2022</b> , 1	8.8 0
3	JFK Is a Hypoxia-Inducible Gene That Functions to Promote Breast Carcinogenesis. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 686737	5.7 0

2 Recent Advances in Molecular Image-Guided Cancer Radionuclide Therapy. *Current Drug Targets*, **2015**, 16, 634-44 3

1 RGD-Based Molecular Probes for Integrin  $\alpha_5\beta_1$  Imaging. *Advanced Topics in Science and Technology in China*, **2013**, 513-538 0.2