

Zhaofei Liu

List of Publications by Year in descending order

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93
papers

4,740
citations

87886

38
h-index

102480

66
g-index

94
all docs

94
docs citations

94
times ranked

5734
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrin $\alpha_5\beta_1$ -targeted cancer therapy. Drug Development Research, 2008, 69, 329-339.	2.9	267
2	NaGdF ₄ Nanoparticle-Based Molecular Probes for Magnetic Resonance Imaging of Intraperitoneal Tumor Xenografts <i>in Vivo</i> . ACS Nano, 2013, 7, 330-338.	14.6	207
3	Molybdenum-based nanoclusters act as antioxidants and ameliorate acute kidney injury in mice. Nature Communications, 2018, 9, 5421.	12.8	184
4	Inhibiting Metastasis and Preventing Tumor Relapse by Triggering Host Immunity with Tumor-Targeted Photodynamic Therapy Using Photosensitizer-Loaded Functional Nanographenes. ACS Nano, 2017, 11, 10147-10158.	14.6	164
5	Ceria Nanoparticles Meet Hepatic Ischemia-â€Reperfusion Injury: The Perfect Imperfection. Advanced Materials, 2019, 31, e1902956.	21.0	150
6	Synergistic enzymatic and bioorthogonal reactions for selective prodrug activation in living systems. Nature Communications, 2018, 9, 5032.	12.8	141
7	Improving Tumor-Targeting Capability and Pharmacokinetics of ^{99m} Tc-Labeled Cyclic RGD Dimers with PEG ₄ Linkers. Molecular Pharmaceutics, 2009, 6, 231-245.	4.6	136
8	⁶⁸ Ga-labeled cyclic RGD dimers with Gly3 and PEG4 linkers: promising agents for tumor integrin $\alpha_5\beta_1$ PET imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 947-957.	6.4	132
9	Nanoparticle-mediated local depletion of tumour-associated platelets disrupts vascular barriers and augments drug accumulation in tumours. Nature Biomedical Engineering, 2017, 1, 667-679.	22.5	132
10	¹⁸ F, ⁶⁴ Cu, and ⁶⁸ Ga Labeled RGD-Bombesin Heterodimeric Peptides for PET Imaging of Breast Cancer. Bioconjugate Chemistry, 2009, 20, 1016-1025.	3.6	131
11	¹⁸ F-Labeled Galacto and PEGylated RGD Dimers for PET Imaging of $\alpha_5\beta_1$ Integrin Expression. Molecular Imaging and Biology, 2010, 12, 530-538.	2.6	131
12	Improving Tumor Uptake and Pharmacokinetics of ⁶⁴ Cu-Labeled Cyclic RGD Peptide Dimers with Gly3 and PEG4 Linkers. Bioconjugate Chemistry, 2009, 20, 750-759.	3.6	123
13	Small-Animal PET of Tumors with ⁶⁴ Cu-Labeled RGD-Bombesin Heterodimer. Journal of Nuclear Medicine, 2009, 50, 1168-1177.	5.0	118
14	Improving Tumor Uptake and Excretion Kinetics of ^{99m} Tc-Labeled Cyclic Arginine-Glycine-Aspartic (RGD) Dimers with Triglycine Linkers. Journal of Medicinal Chemistry, 2008, 51, 7980-7990.	6.4	115
15	Noninvasive imaging of tumor integrin expression using ¹⁸ F-labeled RGD dimer peptide with PEG4 linkers. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 1296-1307.	6.4	115
16	⁶⁸ Ga-labeled NOTA-RGD-BBN peptide for dual integrin and GRPR-targeted tumor imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 1483-1494.	6.4	114
17	Dual Integrin and Gastrin-Releasing Peptide Receptor Targeted Tumor Imaging Using ¹⁸ F-labeled PEGylated RGD-Bombesin Heterodimer ¹⁸ F-FB-PEG ₃ -Glu-RGD-BBN. Journal of Medicinal Chemistry, 2009, 52, 425-432.	6.4	113
18	^{99m} Tc-3PRGD2 for Integrin Receptor Imaging of Lung Cancer: A Multicenter Study. Journal of Nuclear Medicine, 2012, 53, 716-722.	5.0	112

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19	Enhanced Anti-Tumor Efficacy through a Combination of Integrin $\alpha_6\beta_1$ -Targeted Photodynamic Therapy and Immune Checkpoint Inhibition. <i>Theranostics</i> , 2016, 6, 627-637.	10.0	92
20	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.	10.0	85
21	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.	11.4	84
22	Integrin $\alpha_3\beta_1$ -Targeted Radioimmunotherapy of Glioblastoma Multiforme. <i>Clinical Cancer Research</i> , 2008, 14, 7330-7339.	7.0	79
23	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, 1074-1082.	4.6	79
24	The deubiquitylase OTUD3 stabilizes GRP78 and promotes lung tumorigenesis. <i>Nature Communications</i> , 2019, 10, 2914.	12.8	73
25	Blood Clearance Kinetics, Biodistribution, and Radiation Dosimetry of a Kit-Formulated Integrin $\alpha_3\beta_1$ -Selective Radiotracer ^{99m}Tc -3PRGD2 in Non-Human Primates. <i>Molecular Imaging and Biology</i> , 2011, 13, 730-736.	2.6	69
26	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.	4.6	66
27	^{99m}Tc -Labeled Cyclic RGDfK Dimer: An Initial Evaluation for SPECT Imaging of Glioma Integrin $\alpha_3\beta_1$ Expression. <i>Bioconjugate Chemistry</i> , 2006, 17, 1069-1076.	3.6	65
28	Molecular Imaging of Tumor-Infiltrating Macrophages in a Preclinical Mouse Model of Breast Cancer. <i>Theranostics</i> , 2015, 5, 597-608.	10.0	61
29	Tumor Uptake of the RGD Dimeric Probe ^{99m}Tc -G ₃ -2P ₄ -RGD2 is Correlated with Integrin $\alpha_3\beta_1$ Expressed on both Tumor Cells and Neovasculature. <i>Bioconjugate Chemistry</i> , 2010, 21, 548-555.	3.6	59
30	Noninvasive <i>De novo</i> Imaging of Human Embryonic Stem Cell-Derived Teratoma Formation. <i>Cancer Research</i> , 2009, 69, 2709-2713.	0.9	57
31	^{99m}Tc -Labeled RGD-BBN Peptide for Small-Animal SPECT/CT of Lung Carcinoma. <i>Molecular Pharmaceutics</i> , 2012, 9, 1409-1417.	4.6	56
32	^{68}Ga -PRGD2 PET/CT in the Evaluation of Glioma: A Prospective Study. <i>Molecular Pharmaceutics</i> , 2014, 11, 3923-3929.	4.6	51
33	Integrin $\alpha_6\beta_1$ -Targeted SPECT Imaging for Pancreatic Cancer Detection. <i>Journal of Nuclear Medicine</i> , 2014, 55, 989-994.	5.0	50
34	Linker Effects on Biological Properties of ^{111}In -Labeled DTPA Conjugates of a Cyclic RGDfK Dimer. <i>Bioconjugate Chemistry</i> , 2008, 19, 201-210.	3.6	47
35	HOXB13 networking with ABCG1/EZH2/Slug mediates metastasis and confers resistance to cisplatin in lung adenocarcinoma patients. <i>Theranostics</i> , 2019, 9, 2084-2099.	10.0	45
36	^{99m}Tc -Labeled Bombesin(^{14}NH) ₂ with Favorable Properties for SPECT Imaging of Colon Cancer. <i>Bioconjugate Chemistry</i> , 2008, 19, 1170-1178.	3.6	44

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37	Development of RGD-Based Radiotracers for Tumor Imaging and Therapy: Translating from Bench to Bedside. <i>Current Molecular Medicine</i> , 2013, 13, 1487-1505.	1.3	41
38	Integrin Targeted Delivery of Radiotherapeutics. <i>Theranostics</i> , 2011, 1, 201-210.	10.0	39
39	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, 800-807.	4.6	38
40	A near-infrared phthalocyanine dye-labeled agent for integrin $\alpha_5\beta_1$ -targeted theranostics of pancreatic cancer. <i>Biomaterials</i> , 2015, 53, 229-238.	11.4	38
41	Two ⁹⁰ Y-Labeled Multimeric RGD Peptides RGD4 and 3PRGD2 for Integrin Targeted Radionuclide Therapy. <i>Molecular Pharmaceutics</i> , 2011, 8, 591-599.	4.6	36
42	Integrin Imaging with ^{99m} 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.	7.3	34
43	Epidermal Growth Factor Receptor-Targeted Radioimmunotherapy of Human Head and Neck Cancer Xenografts Using ⁹⁰ Y-Labeled Fully Human Antibody Panitumumab. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 2297-2308.	4.1	31
44	Nuclear imaging-guided PD-L1 blockade therapy increases effectiveness of cancer immunotherapy. , 2020, 8, e001156.		31
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> , 2010, 9, 7290.2009.00032.	1.4	28
46	PET Imaging of Neovascularization with ⁶⁸ Ga-3PRGD ₂ for Assessing Tumor Early Response to Endostar Antiangiogenic Therapy. <i>Molecular Pharmaceutics</i> , 2014, 11, 3915-3922.	4.6	27
47	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, 502-512.	7.3	26
48	Anti-tumor Effect of Integrin Targeted ¹⁷⁷ Lu-3PRGD ₂ and Combined Therapy with Endostar. <i>Theranostics</i> , 2014, 4, 256-266.	10.0	25
49	Clinical Translation of a ⁶⁸ Ga-Labeled Integrin $\alpha_5\beta_1$ -Targeting Cyclic Radiotracer for PET Imaging of Pancreatic Cancer. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1461-1467.	5.0	25
50	Dual-Targeted Molecular Probes for Cancer Imaging. <i>Current Pharmaceutical Biotechnology</i> , 2010, 11, 610-619.	1.6	25
51	Specific Targeting of Human Integrin $\alpha_5\beta_1$ with ¹¹¹ In-Labeled Abegrin ₂ in Nude Mouse Models. <i>Molecular Imaging and Biology</i> , 2011, 13, 112-120.	2.6	24
52	SPECT/NIRF Dual Modality Imaging for Detection of Intraperitoneal Colon Tumor with an Avidin/Biotin Pretargeting System. <i>Scientific Reports</i> , 2016, 6, 18905.	3.3	24
53	Radioligand saturation binding for quantitative analysis of ligand-receptor interactions. <i>Biophysics Reports</i> , 2015, 1, 148-155.	0.8	22
54	⁶⁸ Ga-Labeled 3PRGD ₂ for Dual PET and Cerenkov Luminescence Imaging of Orthotopic Human Glioblastoma. <i>Bioconjugate Chemistry</i> , 2015, 26, 1054-1060.	3.6	22

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55	ICAM-1 orchestrates the abscopal effect of tumor radiotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	22
56	Optical imaging of integrin alphavbeta3 expression with near-infrared fluorescent RGD dimer with tetra(ethylene glycol) linkers. Molecular Imaging, 2010, 9, 21-9.	1.4	22
57	<i>In-Vitro</i> Internalization and <i>In-Vivo</i> Tumor Uptake of Anti-EGFR Monoclonal Antibody LA22 in A549 Lung Cancer Cells and Animal Model. Cancer Biotherapy and Radiopharmaceuticals, 2009, 24, 15-24.	1.0	21
58	Dual-Modality Monitoring of Tumor Response to Cyclophosphamide Therapy in Mice with Bioluminescence Imaging and Small-Animal Positron Emission Tomography. Molecular Imaging, 2011, 10, 7290.2010.00041.	1.4	21
59	^{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. Molecular Pharmaceutics, 2013, 10, 2925-2933.	4.6	20
60	Molecular imaging of diabetes and diabetic complications: Beyond pancreatic β -cell targeting. Advanced Drug Delivery Reviews, 2019, 139, 32-50.	13.7	20
61	Radioimmunotherapy of Human Colon Cancer Xenografts with ¹³¹ I-Labeled Anti-CEA Monoclonal Antibody. Bioconjugate Chemistry, 2010, 21, 314-318.	3.6	19
62	Early Assessment of Tumor Response to Gefitinib Treatment by Noninvasive Optical Imaging of Tumor Vascular Endothelial Growth Factor Expression in Animal Models. Journal of Nuclear Medicine, 2014, 55, 818-823.	5.0	19
63	Potential therapeutic radiotracers: preparation, biodistribution and metabolic characteristics of ¹⁷⁷ Lu-labeled cyclic RGDfK dimer. Amino Acids, 2010, 39, 111-120.	2.7	18
64	Phage display peptide probes for imaging early response to bevacizumab treatment. Amino Acids, 2011, 41, 1103-1112.	2.7	17
65	Molecular PET/CT Profiling of ACE2 Expression In Vivo: Implications for Infection and Outcome from SARS-CoV-2. Advanced Science, 2021, 8, e2100965.	11.2	17
66	Molecular imaging of integrin α v β 6 expression in living subjects. American Journal of Nuclear Medicine and Molecular Imaging, 2014, 4, 333-45.	1.0	17
67	Molecular Imaging Reveals Trastuzumab-Induced Epidermal Growth Factor Receptor Downregulation In Vivo. Journal of Nuclear Medicine, 2014, 55, 1002-1007.	5.0	16
68	Chemotherapy-Induced Macrophage Infiltration into Tumors Enhances Nanographene-Based Photodynamic Therapy. Cancer Research, 2017, 77, 6021-6032.	0.9	16
69	Noninvasive small-animal imaging of galectin-1 upregulation for predicting tumor resistance to radiotherapy. Biomaterials, 2018, 158, 1-9.	11.4	15
70	Evaluation of ¹⁸⁸ Re-MAG2-RGD-bombesin for potential prostate cancer therapy. Nuclear Medicine and Biology, 2013, 40, 182-189.	0.6	14
71	Small-animal SPECT/CT imaging of cancer xenografts and pulmonary fibrosis using a ^{99m} Tc-labeled integrin α v β 6-targeting cyclic peptide with improved in vivo stability. Biophysics Reports, 2018, 4, 254-264.	0.8	14
72	Noninvasive PET tracking of post-transplant gut microbiota in living mice. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 991-1002.	6.4	14

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73	Serial in Vivo Imaging Using a Fluorescence Probe Allows Identification of Tumor Early Response to Cetuximab Immunotherapy. <i>Molecular Pharmaceutics</i> , 2015, 12, 10-17.	4.6	12
74	PET Tracers Based on ⁸⁶ Y. <i>Current Radiopharmaceuticals</i> , 2011, 4, 122-130.	0.8	12
75	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, 816-824.	2.1	11
76	Longitudinal monitoring of tumor antiangiogenic therapy with near-infrared fluorophore-labeled agents targeted to integrin $\alpha v \beta 3$ and vascular endothelial growth factor. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 1428-1439.	6.4	11
77	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.	2.2	11
78	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.	9.1	10
79	Phage Display Applications for Molecular Imaging. <i>Current Pharmaceutical Biotechnology</i> , 2010, 11, 603-609.	1.6	10
80	Molecular Imaging of Post-Src Inhibition Tumor Signatures for Guiding Dasatinib Combination Therapy. <i>Journal of Nuclear Medicine</i> , 2016, 57, 321-326.	5.0	8
81	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.	2.6	7
82	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, 49, 2693-2704.	6.4	7
83	^{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, 1196-1200.	5.0	6
84	Radiolabeled novel mAb 4G1 for immunoSPECT imaging of EGFRvIII expression in preclinical glioblastoma xenografts. <i>Oncotarget</i> , 2017, 8, 6364-6375.	1.8	6
85	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, 1009-1014.	1.2	5
86	Galectin expression detected by ⁶⁸ Ga-galectracer PET as a predictive biomarker of radiotherapy resistance. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, , 1.	6.4	5
87	Technetium ^{99m} Tc-Labeled VQ Peptide: A New Imaging Agent for the Early Detection of Tumors or Premalignancies. <i>Molecular Imaging</i> , 2013, 12, 7290.2012.00047.	1.4	2
88	MicroPET Imaging of Breast Cancer with a Dual-Targeted Molecular Probe ⁶⁸ Zn-SUP-3- ⁶⁸ Zn-RGD-BBN. <i>Sheng Wu Wu Li Hsueh Bao</i> , 2011, 27, 335-344.	0.1	2
89	JFK Is a Hypoxia-Inducible Gene That Functions to Promote Breast Carcinogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 686737.	3.7	1
90	Editorial (Thematic Issue: Molecular Image-Guided Cancer Treatment: Moving Towards Personalized) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	1.6	0

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91	RGD-Based Molecular Probes for Integrin $\alpha_5\beta_1$ 125 I Imaging. Advanced Topics in Science and Technology in China, 2013, , 513-538.	0.1	0
92	Editorial (Thematic Issue: Molecular Image-Guided Cancer Treatment: Moving Towards Personalized) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	0
93	Recent Advances in Molecular Image-Guided Cancer Radionuclide Therapy. Current Drug Targets, 2015, 16, 634-644.	2.1	0