

# Huawei Cai

## List of Publications by Year in descending order

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59  
papers

937  
citations

471509

17  
h-index

526287

27  
g-index

63  
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63  
docs citations

63  
times ranked

1337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fusion to an albumin-binding domain with a high affinity for albumin extends the circulatory half-life and enhances the in vivo antitumor effects of human TRAIL. <i>Journal of Controlled Release</i> , 2016, 228, 96-106.	9.9	64
2	Reduced <sup>64</sup> Cu Uptake and Tumor Growth Inhibition by Knockdown of Human Copper Transporter 1 in Xenograft Mouse Model of Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2014, 55, 622-628.	5.0	59
3	Deep neural network based artificial intelligence assisted diagnosis of bone scintigraphy for cancer bone metastasis. <i>Scientific Reports</i> , 2020, 10, 17046.	3.3	45
4	Automated diagnosis of bone metastasis based on multi-view bone scans using attention-augmented deep neural networks. <i>Medical Image Analysis</i> , 2020, 65, 101784.	11.6	43
5	Carbon dot/inorganic nanomaterial composites. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14709-14731.	10.3	42
6	Chondroitin Sulfate as a Molecular Portal That Preferentially Mediates the Apoptotic Killing of Tumor Cells by Penetratin-directed Mitochondria-disrupting Peptides. <i>Journal of Biological Chemistry</i> , 2010, 285, 25666-25676.	3.4	38
7	EFFECTIVE RADIATION DOSE OF 18F-FDG PET/CT: HOW MUCH DOES DIAGNOSTIC CT CONTRIBUTE?. <i>Radiation Protection Dosimetry</i> , 2019, 187, 183-190.	0.8	34
8	Knockdown of copper chaperone antioxidant-1 by RNA interference inhibits copper-stimulated proliferation of non-small cell lung carcinoma cells. <i>Oncology Reports</i> , 2013, 30, 269-275.	2.6	33
9	Retro-enantio isomer of angiopep-2 assists nanoprobe across the blood-brain barrier for targeted magnetic resonance/fluorescence imaging of glioblastoma. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 309.	17.1	31
10	Synthesis and Preliminary Evaluation of <sup>131</sup> I-Labeled FAPI Tracers for Cancer Theranostics. <i>Molecular Pharmaceutics</i> , 2021, 18, 4179-4187.	4.6	31
11	Positron Emission Tomography of Human Hepatocellular Carcinoma Xenografts in Mice Using Copper (II)-64 Chloride as a Tracer. <i>Academic Radiology</i> , 2011, 18, 1561-1568.	2.5	29
12	Targeted Imaging of Tumor-Associated Macrophages by Cyanine 7-Labeled Mannose in Xenograft Tumors. <i>Molecular Imaging</i> , 2017, 16, 153601211668949.	1.4	26
13	2-NBDG Fluorescence Imaging of Hypermetabolic Circulating Tumor Cells in Mouse Xenograft model of Breast Cancer. <i>Journal of Fluorescence</i> , 2013, 23, 213-220.	2.5	23
14	18F-FDG PET/CT for the Diagnosis of Residual or Recurrent Nasopharyngeal Carcinoma After Radiotherapy: A Metaanalysis. <i>Journal of Nuclear Medicine</i> , 2016, 57, 342-347.	5.0	23
15	Bombesin functionalized <sup>64</sup> Cu-copper sulfide nanoparticles for targeted imaging of orthotopic prostate cancer. <i>Nanomedicine</i> , 2018, 13, 1695-1705.	3.3	23
16	Small Molecule Natural Products and Alzheimer's Disease. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 187-204.	2.1	23
17	Selumetinib, an Oral Anti-Neoplastic Drug, May Attenuate Cardiac Hypertrophy via Targeting the ERK Pathway. <i>PLoS ONE</i> , 2016, 11, e0159079.	2.5	20
18	Endogenous IgG-based affinity-controlled release of TRAIL exerts superior antitumor effects. <i>Theranostics</i> , 2018, 8, 2459-2476.	10.0	19

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19	Bombesin Analogue-Mediated Delivery Preferentially Enhances the Cytotoxicity of a Mitochondria-Disrupting Peptide in Tumor Cells. <i>PLoS ONE</i> , 2013, 8, e57358.	2.5	18
20	&lt;p&gt;Bombesin-functionalized superparamagnetic iron oxide nanoparticles for dual-modality MR/NIRFI in mouse models of breast cancer&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6721-6732.	6.7	17
21	Selective Apoptotic Killing of Solid and Hematologic Tumor Cells by Bombesin-Targeted Delivery of Mitochondria-Disrupting Peptides. <i>Molecular Pharmaceutics</i> , 2010, 7, 586-596.	4.6	16
22	Evaluation of astatine-211-labeled octreotide as a potential radiotherapeutic agent for NSCLC treatment. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 1086-1091.	3.0	16
23	Anti-prostate cancer activity of 8-hydroxyquinoline-2-carboxaldehyde-thiosemicarbazide copper complexes in vivo by bioluminescence imaging. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 949-956.	2.6	16
24	Positron Emission Tomography Imaging of Platelet-Derived Growth Factor Receptor $\hat{I}^2$ in Colorectal Tumor Xenograft Using Zirconium-89 Labeled Dimeric Affibody Molecule. <i>Molecular Pharmaceutics</i> , 2019, 16, 1950-1957.	4.6	16
25	$^{64}\text{Cu}$ -labeled melanin nanoparticles for PET/CT and radionuclide therapy of tumor. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102248.	3.3	16
26	High-level expression of a functional humanized single-chain variable fragment antibody against CD25 in <i>Pichia pastoris</i> . <i>Applied Microbiology and Biotechnology</i> , 2008, 81, 33-41.	3.6	15
27	High-level expression of a functional humanized anti-CTLA4 single-chain variable fragment antibody in <i>Pichia pastoris</i> . <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 41-48.	3.6	15
28	Biodegradable $^{131}\text{I}$ -Labeled Microspheres: Potential Transarterial Radioembolization Biomaterial for Primary Hepatocellular Carcinoma Treatment. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000028.	7.6	15
29	Advanced Imaging Techniques for Differentiating Pseudoprogression and Tumor Recurrence After Immunotherapy for Glioblastoma. <i>Frontiers in Immunology</i> , 2021, 12, 790674.	4.8	14
30	Biological Evaluation of $^{131}\text{I}$ - and CF750-Labeled Dmab(scFv)-Fc Antibodies for Xenograft Imaging of CD25-Positive Tumors. <i>BioMed Research International</i> , 2014, 2014, 1-11.	1.9	13
31	New Frontiers in Molecular Imaging Using Peptide-Based Radiopharmaceuticals for Prostate Cancer. <i>Frontiers in Chemistry</i> , 2020, 8, 583309.	3.6	13
32	Recent Advances in Prostate-Specific Membrane Antigen-Based Radiopharmaceuticals. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 33-56.	2.1	13
33	Automatic identification of suspicious bone metastatic lesions in bone scintigraphy using convolutional neural network. <i>BMC Medical Imaging</i> , 2021, 21, 131.	2.7	11
34	Recent Progress of Imaging Agents for Parkinson&#8217;s Disease. <i>Current Neuropharmacology</i> , 2015, 12, 551-563.	2.9	11
35	Use of Tregs as a cell&#2013;based therapy via CD39 for benign prostate hyperplasia with inflammation. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 5082-5096.	3.6	9
36	High level expression of His-tagged colicin 5 in <i>E. coli</i> and characterization of its narrow-spectrum bactericidal activity and pore-forming action. <i>Protein Expression and Purification</i> , 2007, 54, 309-317.	1.3	8

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37	PET imaging of VEGFR and integrins in glioma tumor xenografts using <sup>89</sup> Zr labelled heterodimeric peptide. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 59, 116677.	3.0	8
38	CF750-A33scFv-Fc-Based Optical Imaging of Subcutaneous and Orthotopic Xenografts of GPA33-Positive Colorectal Cancer in Mice. <i>BioMed Research International</i> , 2015, 2015, 1-11.	1.9	7
39	Biodistribution and evaluation of <sup>131</sup> I-labeled neuropilin-1 binding peptide for targeted tumor imaging. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 467-474.	0.8	7
40	Automatic differentiation of thyroid scintigram by deep convolutional neural network: a dual center study. <i>BMC Medical Imaging</i> , 2021, 21, 179.	2.7	7
41	Synthesis and Characterization of Her2-NLP Peptide Conjugates Targeting Circulating Breast Cancer Cells: Cellular Uptake and Localization by Fluorescent Microscopic Imaging. <i>Journal of Fluorescence</i> , 2015, 25, 113-117.	2.5	6
42	Decreased striatal vesicular monoamine transporter 2 (VMAT2) expression in a type 1 diabetic rat model: A longitudinal study using micro-PET/CT. <i>Nuclear Medicine and Biology</i> , 2020, 82-83, 89-95.	0.6	6
43	A merged method for targeted analysis of amino acids and derivatives using parallel reaction monitoring combined with untargeted profiling by HILIC-Q-Orbitrap HRMS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 203, 114208.	2.8	6
44	FOF1-ATPase Contributes to the Fluoride Tolerance and Cariogenicity of <i>Streptococcus mutans</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 777504.	3.5	5
45	A Brief Introduction to Porphyrin Compounds used in Tumor Imaging and Therapies. <i>Mini-Reviews in Medicinal Chemistry</i> , 2021, 21, 1303-1313.	2.4	4
46	CuCl PET/CT imaging of mouse muscular injury induced by electroporation. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 7, 33-39.	1.0	4
47	Quantification of radioactivity by planar gamma-camera images, a promoted method of absorbed dose in the thyroid after iodine-131 treatment. <i>Scientific Reports</i> , 2018, 8, 10167.	3.3	3
48	The effect of hypothyroidism on referential background metabolic activity on <sup>18</sup> F-FDG PET/CT. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 3666-3676.	2.0	3
49	Fusing deep and handcrafted features for intelligent recognition of uptake patterns on thyroid scintigraphy. <i>Knowledge-Based Systems</i> , 2022, 236, 107531.	7.1	3
50	Synthesis, radiolabeling, and evaluation of a potent $\beta$ -site APP cleaving enzyme (BACE1) inhibitor for PET imaging of BACE1 in vivo. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 59, 128543.	2.2	3
51	Deep regression using <sup>99m</sup> Tc-DTPA dynamic renal imaging for automatic calculation of the glomerular filtration rate. <i>European Radiology</i> , 2023, 33, 34-42.	4.5	2
52	Cotransfecting norepinephrine transporter and vesicular monoamine transporter 2 genes for increased retention of metaiodobenzylguanidine labeled with iodine 131 in malignant hepatocarcinoma cells. <i>Frontiers of Medicine</i> , 2017, 11, 120-128.	3.4	1
53	Radionuclide imaging and therapy in malignant melanoma after survivin promoter-directed sodium iodide symporter gene transfer in vitro and in vivo. <i>International Journal of Clinical and Experimental Pathology</i> , 2019, 12, 613-618.	0.5	1
54	Targeting of pertechnetate imaging of HepG2 hepatocellular carcinoma through the transduction of the survivin promoter controls the sodium iodide symporter. <i>International Journal of Clinical and Experimental Pathology</i> , 2017, 10, 11037-11043.	0.5	1

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55	Rapid diagnosis of cisplatin-sensitive and resistant cervical squamous cell carcinomas by reverse transcription loop-mediated isothermal amplification. International Journal of Clinical and Experimental Pathology, 2018, 11, 882-887.	0.5	0
56	Improved radioiodine-131 imaging of prostatic carcinoma using the sodium iodide symporter gene under control of the survivin promoter. International Journal of Clinical and Experimental Pathology, 2018, 11, 4067-4072.	0.5	0
57	An automatic fine-grained skeleton segmentation method for whole-body bone scintigraphy using atlas-based registration. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 673-681.	2.8	0
58	A novel theranostic probe [ <sup>111</sup> In]In-DO3A-NHS-nimotuzumab in glioma xenograft. Radiochimica Acta, 2022, .	1.2	0
59	Cross-granularity multi-task network for ischemia diagnosis and defect detection in the myocardial perfusion imaging. Knowledge-Based Systems, 2022, , 108877.	7.1	0