

Shi Gao

List of Publications by Year in descending order

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43
papers

1,567
citations

430874

18
h-index

302126

39
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47
all docs

47
docs citations

47
times ranked

2998
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen-generating hybrid nanoparticles to enhance fluorescent/photoacoustic/ultrasound imaging guided tumor photodynamic therapy. <i>Biomaterials</i> , 2017, 112, 324-335.	11.4	226
2	Activatable Hyaluronic Acid Nanoparticle as a Theranostic Agent for Optical/Photoacoustic Image-Guided Photothermal Therapy. <i>ACS Nano</i> , 2014, 8, 12250-12258.	14.6	210
3	Surface impact on nanoparticle-based magnetic resonance imaging contrast agents. <i>Theranostics</i> , 2018, 8, 2521-2548.	10.0	149
4	Hybrid graphene/Au activatable theranostic agent for multimodalities imaging guided enhanced photothermal therapy. <i>Biomaterials</i> , 2016, 79, 36-45.	11.4	144
5	Photoacoustic imaging and photothermal therapy in the second near-infrared window. <i>New Journal of Chemistry</i> , 2019, 43, 8835-8851.	2.8	73
6	Two-Stage Size Decrease and Enhanced Photoacoustic Performance of Stimuli-Responsive Polymer-Gold Nanorod Assembly for Increased Tumor Penetration. <i>Advanced Functional Materials</i> , 2019, 29, 1806429.	14.9	70
7	Single Wavelength Laser Excitation Ratiometric NIR-II Fluorescent Probe for Molecule Imaging in Vivo. <i>Analytical Chemistry</i> , 2020, 92, 6111-6120.	6.5	70
8	Nanoparticles Encapsulating Nitrosylated Maytansine To Enhance Radiation Therapy. <i>ACS Nano</i> , 2020, 14, 1468-1481.	14.6	69
9	Photosensitizer-Encapsulated Ferritins Mediate Photodynamic Therapy against Cancer-Associated Fibroblasts and Improve Tumor Accumulation of Nanoparticles. <i>Molecular Pharmaceutics</i> , 2018, 15, 3595-3599.	4.6	55
10	Construction and Evaluation of a Targeted Hyaluronic Acid Nanoparticle/Photosensitizer Complex for Cancer Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32509-32519.	8.0	52
11	Multifunctional Molecular Beacon Micelles for Intracellular mRNA Imaging and Synergistic Therapy in Multidrug-Resistant Cancer Cells. <i>Advanced Functional Materials</i> , 2017, 27, 1701027.	14.9	45
12	Theranostic Hyaluronic Acid-Iron Micellar Nanoparticles for Magnetic-Field-Enhanced in vivo Cancer Chemotherapy. <i>ChemMedChem</i> , 2018, 13, 78-86.	3.2	43
13	Evans Blue Derivative-Functionalized Gold Nanorods for Photothermal Therapy-Enhanced Tumor Chemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15140-15149.	8.0	38
14	Activatable Ferritin Nanocomplex for Real-Time Monitoring of Caspase-3 Activation during Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23248-23256.	8.0	33
15	An Exploratory Study on ^{99m} Tc-RGD-BBN Peptide Scintimammography in the Assessment of Breast Malignant Lesions Compared to ^{99m} Tc-3P4-RGD2. <i>PLoS ONE</i> , 2015, 10, e0123401.	2.5	29
16	Stable Evans Blue Derived Exendin-4 Peptide for Type 2 Diabetes Treatment. <i>Bioconjugate Chemistry</i> , 2016, 27, 54-58.	3.6	25
17	Self-Assembled Ag ₂ S@QD Vesicles for In Situ Responsive NIR-II Fluorescence Imaging-Guided Photothermal Cancer Therapy. <i>Advanced Optical Materials</i> , 2021, 9, 2100233.	7.3	22
18	Identification of a Glypican-3-Binding Peptide for In Vivo Non-Invasive Human Hepatocellular Carcinoma Detection. <i>Macromolecular Bioscience</i> , 2017, 17, 1600335.	4.1	21

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19	99mTc-3P4-RGD2 Scintimammography in the Assessment of Breast Lesions: Comparative Study with 99mTc-MIBI. PLoS ONE, 2014, 9, e108349.	2.5	18
20	Ultrathin gold nanowires to enhance radiation therapy. Journal of Nanobiotechnology, 2020, 18, 131.	9.1	15
21	Imaging and monitoring HER2 expression in breast cancer during trastuzumab therapy with a peptide probe 99mTc-HYNIC-H10F. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 2613-2623.	6.4	15
22	Plasmonic anisotropic gold nanorods: Preparation and biomedical applications. Nano Research, 2022, 15, 6372-6398.	10.4	15
23	A photothermally responsive nanoprobe for bioimaging based on Edman degradation. Nanoscale, 2016, 8, 10553-10557.	5.6	12
24	First-in-human pilot study of an integrin α_6 -targeted radiotracer for SPECT imaging of breast cancer. Signal Transduction and Targeted Therapy, 2020, 5, 147.	17.1	11
25	NIR-II Fluorescent Activatable Drug Delivery Nanoplatfrom for Cancer-Targeted Combined Photodynamic and Chemotherapy. ACS Applied Bio Materials, 2022, 5, 711-722.	4.6	9
26	Pharmacokinetics and Biodistribution of 99mTc N-MPO in Healthy Human Volunteers. Clinical Nuclear Medicine, 2014, 39, e14-e19.	1.3	8
27	Preclinical Evaluation and Monitoring of the Therapeutic Response of a Dual Targeted Hyaluronic Acid Nanodrug. Contrast Media and Molecular Imaging, 2017, 2017, 1-10.	0.8	8
28	Construction and evaluation of hyaluronic acid-based copolymers as a targeted chemotherapy drug carrier for cancer therapy. Nanotechnology, 2020, 31, 305702.	2.6	8
29	(99m)Tc-3P-RGD2 SPECT to monitor early response to bevacizumab therapy in patients with advanced non-small cell lung cancer. International Journal of Clinical and Experimental Pathology, 2015, 8, 16064-72.	0.5	8
30	Barium tungstate nanoparticles to enhance radiation therapy against cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 28, 102230.	3.3	7
31	Diagnostic performance of 18F-FDG PET/CT for the detection of occult primary tumors in squamous cell carcinoma of unknown primary in the head and neck: a single-center retrospective study. Nuclear Medicine Communications, 2021, 42, 523-527.	1.1	7
32	^{99m} Tc-Glu-c(RGDyK)-Bombesin SPECT Can Reduce Unnecessary Biopsy of Masses That Are BI-RADS Category 4 on Ultrasonography. Journal of Nuclear Medicine, 2016, 57, 1196-1200.	5.0	6
33	The development of a Glypican-3-specific binding peptide using <i>in vivo</i> and <i>in vitro</i> two-step phage display screening for the PET imaging of hepatocellular carcinoma. Biomaterials Science, 2020, 8, 5656-5665.	5.4	6
34	Incremental value of SPECT/CT in detection of Meckel's diverticulum in a 10-year-old child. SpringerPlus, 2016, 5, 1270.	1.2	5
35	Advantages of 99mTc-3PRGD2 SPECT over CT in the preoperative assessment of lymph node metastasis in patients with esophageal cancer. Annals of Nuclear Medicine, 2019, 33, 39-46.	2.2	5
36	An Integrin α_6 / β_5 -Bitargeted Probe for the SPECT Imaging of Pancreatic Adenocarcinoma in Preclinical and Primary Clinical Studies. Bioconjugate Chemistry, 2021, 32, 1298-1305.	3.6	5

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37	Inhibitory effects of $^{90}\text{Sr}/^{90}\text{Y}$ β -irradiation on alkali burn-induced corneal neovascularization in rats. <i>Experimental and Therapeutic Medicine</i> , 2016, 11, 409-414.	1.8	4
38	Integrin $\alpha_3\beta_1$ -targeted SPECT/CT for the assessment of Bevacizumab therapy in orthotopic lung cancer xenografts. <i>Oncology Letters</i> , 2018, 15, 4201-4206.	1.8	3
39	DTI and pathological changes in a rabbit model of radiation injury to the spinal cord after ^{125}I radioactive seed implantation. <i>Neural Regeneration Research</i> , 2018, 13, 528.	3.0	3
40	Comparison of the accuracy of $^{99\text{m}}\text{Tc}$ -3P4-RGD2 SPECT and CT in diagnosing solitary pulmonary nodules. <i>Oncology Letters</i> , 2016, 12, 2517-2523.	1.8	2
41	$^{99\text{m}}\text{Tc}$ -MDP uptake in SPECT/CT by a bladder hernia simulating inguinal metastasis: A case report. <i>Oncology Letters</i> , 2016, 11, 1398-1400.	1.8	2
42	Performance of Ultrasound-Guided Core Biopsy Driven by FDG-avid Supraclavicular Lymph Nodes in Patients With Suspected Lung Cancer. <i>Frontiers in Medicine</i> , 2021, 8, 803500.	2.6	2
43	Preparation of a prototype radioactive probe for treatment of lacrimal ducts stenosis and a study of its dose distribution. <i>Hellenic Journal of Nuclear Medicine</i> , 2013, 16, 186-8.	0.3	0