

# Tae Sup Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,182  
citations

471371

17  
h-index

395590

33  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2230  
citing authors

#	ARTICLE	IF	CITATIONS
1	RGD Peptide- <sup>64</sup> Cu Conjugated Multimodal NaGd <sup>4</sup> :Yb <sup>3+</sup> /Er <sup>3+</sup> Nanophosphors for Upconversion Luminescence, MR, and PET Imaging of Tumor Angiogenesis. <i>Journal of Nuclear Medicine</i> , 2013, 54, 96-103.	2.8	125
2	Amphiphilic polymer-coated hybrid nanoparticles as CT/MRI dual contrast agents. <i>Nanotechnology</i> , 2011, 22, 155101.	1.3	124
3	Comparison of 18F-FDG, 18F-FET and 18F-FLT for differentiation between tumor and inflammation in rats. <i>Nuclear Medicine and Biology</i> , 2009, 36, 681-686.	0.3	78
4	Characterization and Cancer Cell Specific Binding Properties of Anti-EGFR Antibody Conjugated Quantum Dots. <i>Bioconjugate Chemistry</i> , 2010, 21, 940-946.	1.8	65
5	Facile metabolic glycan labeling strategy for exosome tracking. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1091-1100.	1.1	62
6	Immuno-PET Imaging and Radioimmunotherapy of <sup>64</sup> Cu- <sup>177</sup> Lu-Labeled Anti-EGFR Antibody in Esophageal Squamous Cell Carcinoma Model. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1105-1111.	2.8	54
7	Cancer-targeted Nucleic Acid Delivery and Quantum Dot Imaging Using EGF Receptor Aptamer-conjugated Lipid Nanoparticles. <i>Scientific Reports</i> , 2017, 7, 9474.	1.6	54
8	Development of <sup>64</sup> Cu-NOTA-Trastuzumab for HER2 Targeting: A Radiopharmaceutical with Improved Pharmacokinetics for Human Studies. <i>Journal of Nuclear Medicine</i> , 2019, 60, 26-33.	2.8	47
9	Anti-EGFR lipid micellar nanoparticles co-encapsulating quantum dots and paclitaxel for tumor-targeted theranosis. <i>Nanoscale</i> , 2018, 10, 19338-19350.	2.8	45
10	Detection of Increased <sup>64</sup> Cu Uptake by Human Copper Transporter 1 Gene Overexpression Using PET with <sup>64</sup> CuCl <sub>2</sub> in Human Breast Cancer Xenograft Model. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1692-1698.	2.8	44
11	Anesthesia condition for 18F-FDG imaging of lung metastasis tumors using small animal PET. <i>Nuclear Medicine and Biology</i> , 2008, 35, 143-150.	0.3	38
12	Association Between Age at Diagnosis and the Presence of EGFR Mutations in Female Patients with Resected Non-small Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2010, 5, 1949-1952.	0.5	36
13	PET imaging of HER2 expression with an 18F-fluoride labeled aptamer. <i>PLoS ONE</i> , 2019, 14, e0211047.	1.1	32
14	Hybridization-based aptamer labeling using complementary oligonucleotide platform for PET and optical imaging. <i>Biomaterials</i> , 2016, 100, 143-151.	5.7	23
15	Generation of a human antibody that inhibits TSPAN8-mediated invasion of metastatic colorectal cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 774-780.	1.0	20
16	Immuno-PET imaging based radioimmunotherapy in head and neck squamous cell carcinoma model. <i>Oncotarget</i> , 2017, 8, 92090-92105.	0.8	20
17	Modulation of Insulin Sensitivity and Caveolin-1 Expression by Orchidectomy in a Nonobese Type 2 Diabetes Animal Model. <i>Molecular Medicine</i> , 2011, 17, 4-11.	1.9	18
18	Longitudinal monitoring adipose-derived stem cell survival by PET imaging hexadecyl-4-124I-iodobenzoate in rat myocardial infarction model. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 13-19.	1.0	17

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19	CXCR4 uses STAT3-mediated slug expression to maintain radioresistance of non-small cell lung cancer cells: emerges as a potential prognostic biomarker for lung cancer. <i>Cell Death and Disease</i> , 2021, 12, 48.	2.7	16
20	In Vitro Radionuclide Therapy and In Vivo Scintigraphic Imaging of Alpha-Fetoprotein-Producing Hepatocellular Carcinoma by Targeted Sodium Iodide Symporter Gene Expression. <i>Nuclear Medicine and Molecular Imaging</i> , 2013, 47, 1-8.	0.6	15
21	In vivo monitoring of CD44+ cancer stem-like cells by $^{131}\text{I}$ -irradiation in breast cancer. <i>International Journal of Oncology</i> , 2016, 48, 2277-2286.	1.4	15
22	Imaging of a localized bacterial infection with endogenous thymidine kinase using radioisotope-labeled nucleosides. <i>International Journal of Medical Microbiology</i> , 2012, 302, 101-107.	1.5	14
23	Simple Methods for Tracking Stem Cells with $^{64}\text{Cu}$ -Labeled DOTA-hexadecyl-benzoate. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 528-530.	1.3	14
24	Development of a Theranostic Convergence Bioradiopharmaceutical for Immuno-PET Based Radioimmunotherapy of L1CAM in Cholangiocarcinoma Model. <i>Clinical Cancer Research</i> , 2019, 25, 6148-6159.	3.2	14
25	A Bioluminogenic Probe for Monitoring Tyrosinase Activity. <i>Chemistry - an Asian Journal</i> , 2017, 12, 397-400.	1.7	13
26	Syntheses of F-18 labeled fluoroalkyltyrosine derivatives and their biological evaluation in rat bearing 9L tumor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 200-204.	1.0	12
27	Application of bioluminescence imaging to therapeutic intervention of herpes simplex virus type I $\alpha$ -Thymidine kinase/ganciclovir in glioma. <i>Cancer Letters</i> , 2010, 297, 84-90.	3.2	12
28	In vivo bioluminescent imaging of $\alpha$ -fetoprotein-producing hepatocellular carcinoma in the diethylnitrosamine-treated mouse using recombinant adenoviral vector. <i>Journal of Gene Medicine</i> , 2012, 14, 513-520.	1.4	12
29	Assessment of $\alpha$ -Fetoprotein Targeted HSV1- $\alpha$ TK Expression in Hepatocellular Carcinoma with In Vivo Imaging. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2015, 30, 8-15.	0.7	12
30	An antibody against L1 cell adhesion molecule inhibits cardiotoxicity by regulating persistent DNA damage. <i>Nature Communications</i> , 2021, 12, 3279.	5.8	12
31	Extension of the in vivo half-life of endostatin and its improved anti-tumor activities upon fusion to a humanized antibody against tumor-associated glycoprotein 72 in a mouse model of human colorectal carcinoma. <i>Oncotarget</i> , 2015, 6, 7182-7194.	0.8	12
32	Non-invasive monitoring of hepatocellular carcinoma in transgenic mouse with bioluminescent imaging. <i>Cancer Letters</i> , 2011, 310, 53-60.	3.2	11
33	Cetuximab inhibits cisplatin-induced activation of EGFR signaling in esophageal squamous cell carcinoma. <i>Oncology Reports</i> , 2014, 32, 1188-1192.	1.2	11
34	Combination of anti-L1 cell adhesion molecule antibody and gemcitabine or cisplatin improves the therapeutic response of intrahepatic cholangiocarcinoma. <i>PLoS ONE</i> , 2017, 12, e0170078.	1.1	10
35	Persistent infection of a gammaherpesvirus in the central nervous system. <i>Virology</i> , 2012, 423, 23-29.	1.1	9
36	Prodrug-activating Gene Therapy with Rabbit Cytochrome P450 4B1/4-Ipomeanol or 2-Aminoanthracene System in Glioma Cells. <i>Nuclear Medicine and Molecular Imaging</i> , 2010, 44, 193-198.	0.6	8

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37	<i>Short Communication:</i> Synthesis and Biologic Evaluation of I-123-Labeled Porphyrin Derivative as a Potential Tumor-Imaging Agent. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2007, 22, 853-862.	0.7	7
38	Radioiodination and biodistribution of quantum dots using Bolton-Hunter reagent. <i>Applied Radiation and Isotopes</i> , 2011, 69, 56-62.	0.7	7
39	Evaluation of a <sup>64</sup> Cu-labeled 1,4,7-triazacyclononane, 1-glutaric acid-4,7 acetic acid (NODAGA)-galactose-bombesin analogue as a PET imaging probe in a gastrin-releasing peptide receptor-expressing prostate cancer xenograft model. <i>International Journal of Oncology</i> , 2015, 46, 1159-1168.	1.4	7
40	Evaluation of diethylnitrosamine- or hepatitis B virus X gene-induced hepatocellular carcinoma with <sup>18</sup> F-FDG PET/CT: A preclinical study. <i>Oncology Reports</i> , 2015, 33, 347-353.	1.2	6
41	Registration Method for the Detection of Tumors in Lung and Liver Using Multimodal Small Animal Imaging. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 1454-1458.	1.2	5
42	PET Imaging Biomarkers of Anti-EGFR Immunotherapy in Esophageal Squamous Cell Carcinoma Models. <i>Cells</i> , 2018, 7, 187.	1.8	5
43	Synthesis and Evaluation of a <sup>18</sup> F-Labeled 4- <i>Ipomeanol</i> as an Imaging Agent for CYP4B1 Gene Prodrug Activation Therapy. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2013, 28, 588-597.	0.7	4
44	In vitro monitoring of cardiomyogenic differentiation of mesenchymal stem cells using sodium iodide symporter gene. <i>Tissue Engineering and Regenerative Medicine</i> , 2012, 9, 304-310.	1.6	3
45	Therapeutic Response Monitoring with <sup>89</sup> Zr-DFO-Pertuzumab in HER2-Positive and Trastuzumab-Resistant Breast Cancer Models. <i>Pharmaceutics</i> , 2022, 14, 1338.	2.0	3
46	Experimental condition and registration method for the tumor detection of lung metastasis small animal PET and CT whole body images. , 2007, , .		2
47	Gamma camera and optical imaging with a fusion reporter gene using human sodium/iodide symporter and monomeric red fluorescent protein in mouse model. <i>International Journal of Radiation Biology</i> , 2011, 87, 1182-1188.	1.0	2
48	Evaluation of safety and efficacy of adipose-derived stem cells in rat myocardial infarction model using hexadecyl-4-[ <sup>124</sup> I]iodobenzoate for cell tracking. <i>Applied Radiation and Isotopes</i> , 2016, 108, 116-123.	0.7	2
49	Monitoring of macrophage accumulation in statin-treated atherosclerotic mouse model using sodium iodide symporter imaging system. <i>Nuclear Medicine and Biology</i> , 2017, 48, 45-51.	0.3	2
50	A cell surface clicked navigation system to direct specific bone targeting. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 758-764.	1.4	2
51	Detection of metastatic tumors after <sup>131</sup> I-irradiation using longitudinal molecular imaging and gene expression profiling of metastatic tumor nodules. <i>International Journal of Oncology</i> , 2016, 48, 1361-1368.	1.4	1
52	Respiratory Gating of MicroPET and Clinical CT Studies Using List-mode Acquisition. , 2006, , .		0