

# Jeongsoo Yoo

## List of Publications by Year in descending order

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60  
papers

2,356  
citations

236833

25  
h-index

206029

48  
g-index

62  
all docs

62  
docs citations

62  
times ranked

3829  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hybrid Nanoparticle Probe for Dual-Modality Positron Emission Tomography and Magnetic Resonance Imaging. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6259-6262.	7.2	203
2	pH-Responsive Assembly of Gold Nanoparticles and $\alpha$ -Spatiotemporally Concerted Drug Release for Synergistic Cancer Therapy. <i>ACS Nano</i> , 2013, 7, 3388-3402.	7.3	161
3	Polymeric Nanoparticle PET/MR Imaging Allows Macrophage Detection in Atherosclerotic Plaques. <i>Circulation Research</i> , 2013, 112, 755-761.	2.0	144
4	Imaging of Melanoma Using $^{64}\text{Cu}$ and $^{86}\text{Y}$ -DOTA-ReCCMSH(Arg11), a Cyclized Peptide Analogue of $\beta$ -MSH. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 2985-2992.	2.9	124
5	$^{89}\text{Zr}$ -Labeled Dextran Nanoparticles Allow in Vivo Macrophage Imaging. <i>Bioconjugate Chemistry</i> , 2011, 22, 2383-2389.	1.8	116
6	Facile and Mild Deboronation of o-Carboranes Using Cesium Fluoride. <i>Inorganic Chemistry</i> , 2001, 40, 568-570.	1.9	115
7	Phage display selection of peptides that home to atherosclerotic plaques: IL-4 receptor as a candidate target in atherosclerosis. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 2003-2014.	1.6	83
8	Preparation of high specific activity $^{86}\text{Y}$ using a small biomedical cyclotron. <i>Nuclear Medicine and Biology</i> , 2005, 32, 891-897.	0.3	81
9	In vivo imaging of tumor apoptosis using histone H1-targeting peptide. <i>Journal of Controlled Release</i> , 2010, 148, 283-291.	4.8	80
10	In Vivo Biodistribution, PET Imaging, and Tumor Accumulation of $^{86}\text{Y}$ - and $^{111}\text{In}$ -Antimedin/RG-1, Engineered Antibody Fragments in LNCaP Tumor-Bearing Nude Mice. <i>Journal of Nuclear Medicine</i> , 2009, 50, 435-443.	2.8	76
11	Synthesis of an Estrogen Receptor $\beta$ -Selective Radioligand: $^5\text{-}[^{18}\text{F}]\text{Fluoro-(2R}^*,3\text{S}^*)\text{-2,3-bis(4-hydroxyphenyl)pentanenitrile}$ and Comparison of in Vivo Distribution with $^{16\alpha}\text{-}[^{18}\text{F}]\text{Fluoro-17}\beta\text{-estradiol}$ . <i>Journal of Medicinal Chemistry</i> , 2005, 48, 6366-6378.	2.9	74
12	Facile Preparation of a Hybrid Nanoprobe for Triple-Modality Optical/PET/MR Imaging. <i>Small</i> , 2010, 6, 2863-2868.	5.2	73
13	Detection of apoptosis in a rat model of focal cerebral ischemia using a homing peptide selected from in vivo phage display. <i>Journal of Controlled Release</i> , 2008, 131, 167-172.	4.8	64
14	Revival of TE2A; a better chelate for Cu(II) ions than TETA?. <i>Chemical Communications</i> , 2010, 46, 3517.	2.2	53
15	Luminescence imaging using radionuclides: a potential application in molecular imaging. <i>Nuclear Medicine and Biology</i> , 2011, 38, 321-329.	0.3	50
16	Oleanolic acid acetate inhibits rheumatoid arthritis by modulating T cell immune responses and matrix-degrading enzymes. <i>Toxicology and Applied Pharmacology</i> , 2016, 290, 1-9.	1.3	46
17	Platinum(II) complexes of 3,3-disubstituted-2,2-bipyridines. Synthesis, structures, cytotoxic effect and unusual solvolysis in DMSO. <i>Inorganica Chimica Acta</i> , 1997, 263, 53-60.	1.2	42
18	Hydrogen sulfide-producing cystathionine $\beta$ -lyase is critical in the progression of kidney fibrosis. <i>Free Radical Biology and Medicine</i> , 2017, 112, 423-432.	1.3	42

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19	Comparative in Vivo Behavior Studies of Cyclen-Based Copper-64 Complexes: Regioselective Synthesis, X-ray Structure, Radiochemistry, logP, and Biodistribution. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 6625-6637.	2.9	40
20	New Macrocyclic Chelator for the Development of Ultrastable <sup>64</sup> Cu-Radiolabeled Bioconjugate. <i>Bioconjugate Chemistry</i> , 2012, 23, 330-335.	1.8	36
21	pH-responsive gold nanoparticles-in-liposome hybrid nanostructures for enhanced systemic tumor delivery. <i>Nanoscale</i> , 2013, 5, 10175.	2.8	36
22	Synthesis, structures and antitumor activity of the first crown ester-linked bipyridyl platinum complexes. <i>Journal of Inorganic Biochemistry</i> , 1999, 73, 187-193.	1.5	34
23	Immobilization of the Gas Signaling Molecule H <sub>2</sub> S by Radioisotopes: Detection, Quantification, and In Vivo Imaging. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9365-9370.	7.2	33
24	PEGylated liposome encapsulating nido-carborane showed significant tumor suppression in boron neutron capture therapy (BNCT). <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 669-675.	1.0	32
25	Synthesis and Evaluation of New Generation Cross-Bridged Bifunctional Chelator for <sup>64</sup> Cu Radiotracers. <i>Inorganic Chemistry</i> , 2015, 54, 8177-8186.	1.9	26
26	QSAR Studies of Copper Azamacrocycles and Thiosemicarbazones: MM3 Parameter Development and Prediction of Biological Properties. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 5561-5569.	2.9	24
27	Identification of a peptide ligand recognizing dysfunctional endothelial cells for targeting atherosclerosis. <i>Journal of Controlled Release</i> , 2008, 131, 27-33.	4.8	24
28	Combination Therapy and Noninvasive Imaging with a Dual Therapeutic Vector Expressing MDR1 Short Hairpin RNA and a Sodium Iodide Symporter. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1480-1488.	2.8	23
29	New Bifunctional Chelator for <sup>64</sup> Cu-Immuno-Positron Emission Tomography. <i>Bioconjugate Chemistry</i> , 2013, 24, 1356-1366.	1.8	23
30	Gadolinium Complex of <sup>125</sup> I/ <sup>127</sup> I-RGD-DOTA Conjugate as a Tumor-Targeting SPECT/MR Bimodal Imaging Probe. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 216-219.	1.3	22
31	New quantitative method for bone tracer uptake of temporomandibular joint using Tc-99m MDP skull SPECT. <i>Annals of Nuclear Medicine</i> , 2009, 23, 651-656.	1.2	21
32	Non-Cross-Bridged Tetraazamacrocyclic Chelator for Stable <sup>64</sup> Cu-Based Radiopharmaceuticals. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 927-931.	1.3	21
33	Vivid Tumor Imaging Utilizing Liposome-Carried Bimodal Radiotracer. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 390-394.	1.3	21
34	Imaging Strategy that Achieves Ultrahigh Contrast by Utilizing Differential Esterase Activity in Organs: Application in Early Detection of Pancreatic Cancer. <i>ACS Nano</i> , 2021, 15, 17348-17360.	7.3	21
35	Anti-inflammatory effects of ursolic acid-3-acetate on human synovial fibroblasts and a murine model of rheumatoid arthritis. <i>International Immunopharmacology</i> , 2017, 49, 118-125.	1.7	20
36	Propylene Cross-Bridged Macrocyclic Bifunctional Chelator: A New Design for Facile Bioconjugation and Robust <sup>64</sup> Cu Complex Stability. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7234-7243.	2.9	19

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37	High in Vivo Stability of <sup>64</sup> Cu-Labeled Cross-Bridged Chelators Is a Crucial Factor in Improved Tumor Imaging of RGD Peptide Conjugates. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 385-395.	2.9	19
38	Regioselective N-substitution of cyclen with two different alkyl groups: synthesis of all possible isomers Electronic supplementary information (ESI) available: spectroscopic data. See <a href="http://www.rsc.org/suppdata/cc/b2/b212667b/">http://www.rsc.org/suppdata/cc/b2/b212667b/</a> . <i>Chemical Communications</i> , 2003, , 766-767.	2.2	18
39	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
40	Synthesis of stable platinum complexes containing carborane in a carrier group for potential BNCT agents. <i>Dalton Transactions</i> , 2009, , 4978.	1.6	16
41	In Vitro antiproliferative characteristics of flavonoids and diazepam on SNU-C4 colorectal adenocarcinoma cells. <i>Journal of Natural Medicines</i> , 2009, 63, 124-129.	1.1	15
42	A New Synthesis of TE2A <sup>2+</sup> a Potential Bifunctional Chelator for <sup>64</sup> Cu. <i>Nuclear Medicine and Molecular Imaging</i> , 2010, 44, 185-192.	0.6	15
43	Apoptosis imaging studies in various animal models using radio-iodinated peptide. Apoptosis: an International Journal on Programmed Cell Death, 2015, 20, 110-121.	2.2	15
44	Evaluation of kidney repair capacity using <sup>99m</sup> Tc-DMSA in ischemia/reperfusion injury models. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 7-12.	1.0	13
45	Phosphonate Pendant Armed Propylene Cross-Bridged Cyclam: Synthesis and Evaluation as a Chelator for Cu-64. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 1162-1166.	1.3	12
46	Development of dansyl based copper(ii) complex to detect hydrogen sulfide in hypoxia. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7088-7094.	1.5	12
47	Successful Application of CuAAC Click Reaction in Constructing <sup>64</sup> Cu-Labeled Antibody Conjugates for Immuno-PET Imaging. <i>ACS Applied Bio Materials</i> , 2021, 4, 2544-2557.	2.3	11
48	Cocrystallization of a dinuclear platinum complex as a monomer and a one-dimensional polymer. <i>Polyhedron</i> , 2002, 21, 715-719.	1.0	8
49	In Vivo evaluation of PEGylated-liposome encapsulating gadolinium complexes for gadolinium neutron capture therapy. <i>Biochemical and Biophysical Research Communications</i> , 2021, 568, 23-29.	1.0	8
50	A short PEG linker alters the <i>in vivo</i> pharmacokinetics of trastuzumab to yield high-contrast immuno-PET images. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2993-2997.	2.9	8
51	Direct radiofluorination of a heat-sensitive antibody by Al <sup>18</sup> F complexation. <i>New Journal of Chemistry</i> , 2019, 43, 15389-15395.	1.4	7
52	Synthesis and evaluation of a radioiodinated bladder cancer specific peptide. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 4330-4335.	1.4	6
53	Visualization and Quantification of Radiochemical Purity by Cerenkov Luminescence Imaging. <i>Analytical Chemistry</i> , 2018, 90, 8927-8935.	3.2	6
54	A potential Dubin-Johnson syndrome imaging agent: synthesis, biodistribution, and microPET imaging. <i>Molecular Imaging</i> , 2005, 4, 18-29.	0.7	6

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55	A Potential Dubin-Johnson Syndrome Imaging Agent: Synthesis, Biodistribution, and MicroPET Imaging. <i>Molecular Imaging</i> , 2005, 4, 153535002005041.	0.7	5
56	In vivo detection of hydrogen sulfide in the brain of live mouse: application in neuroinflammation models. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 0, , .	3.3	5
57	Electrocatalytic Reduction of CO <sub>2</sub> by Copper (II) Cyclam Derivatives. <i>Journal of Electrochemical Science and Technology</i> , 2015, 6, 106-110.	0.9	4
58	Immobilization of the Gas Signaling Molecule H <sub>2</sub> S by Radioisotopes: Detection, Quantification, and In Vivo Imaging. <i>Angewandte Chemie</i> , 2016, 128, 9511-9516.	1.6	2
59	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
60	Regioselective N-substitution of cyclen with two different alkyl groups: synthesis of all possible isomers. <i>Chemical Communications</i> , 2003, , 766-7.	2.2	0