

# Parham Geramifar

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,211  
citations

430874

18  
h-index

414414

32  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2013  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning-based denoising of low-dose SPECT myocardial perfusion images: quantitative assessment and clinical performance. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 1508-1522.	6.4	22
2	Optimized cocktail of $^{90}\text{Y}/^{177}\text{Lu}$ for radionuclide therapy of neuroendocrine tumors of various sizes. <i>Nuclear Medicine Communications</i> , 2022, Publish Ahead of Print, .	1.1	1
3	COVID-19 prognostic modeling using CT radiomic features and machine learning algorithms: Analysis of a multi-institutional dataset of 14,339 patients. <i>Computers in Biology and Medicine</i> , 2022, 145, 105467.	7.0	35
4	Potential advantages of FDG-PET radiomic feature map for target volume delineation in lung cancer radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, .	1.9	2
5	Harmonization based on quantitative analysis of standardized uptake value variations across PET/CT scanners: a multicenter phantom study. <i>Nuclear Medicine Communications</i> , 2022, 43, 1004-1014.	1.1	4
6	Development of Ga-68 radiolabeled DOTA functionalized and acetylated PAMAM dendrimer-coated iron oxide nanoparticles as PET/MR dual-modal imaging agent. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 1077-1089.	3.4	9
7	Machine learning-based prognostic modeling using clinical data and quantitative radiomic features from chest CT images in COVID-19 patients. <i>Computers in Biology and Medicine</i> , 2021, 132, 104304.	7.0	92
8	Implementation of dose point kernel (DPK) for dose optimization of $^{177}\text{Lu}/^{90}\text{Y}$ cocktail radionuclides in internal dosimetry. <i>Applied Radiation and Isotopes</i> , 2021, 173, 109673.	1.5	4
9	Effect of Diet on Physiologic Bowel $^{18}\text{F}$ -FDG Uptake. <i>Journal of Nuclear Medicine Technology</i> , 2021, 49, 241-245.	0.8	3
10	PET NEMA IQ Phantom dataset: image reconstruction settings for quantitative PET imaging. <i>Data in Brief</i> , 2021, 37, 107231.	1.0	4
11	The effect of magnetic field strength on the positron range and projected annihilation artifact in integrated PET/MR systems: a GATE Monte Carlo study. <i>Medical Physics</i> , 2021, 48, 7712.	3.0	1
12	Design, preparation and biological evaluation of a $^{177}\text{Lu}$ -labeled somatostatin receptor antagonist for targeted therapy of neuroendocrine tumors. <i>Bioorganic Chemistry</i> , 2020, 94, 103381.	4.1	10
13	Short-duration dynamic FDG PET imaging: Optimization and clinical application. <i>Physica Medica</i> , 2020, 80, 193-200.	0.7	14
14	Deep-JASC: joint attenuation and scatter correction in whole-body $^{18}\text{F}$ -FDG PET using a deep residual network. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2533-2548.	6.4	73
15	Controlling evolution of protein corona: a prosperous approach to improve chitosan-based nanoparticle biodistribution and half-life. <i>Scientific Reports</i> , 2020, 10, 9664.	3.3	77
16	Design, synthesis, radiolabeling and biological evaluation of new urea-based peptides targeting prostate specific membrane antigen. <i>Bioorganic Chemistry</i> , 2020, 99, 103743.	4.1	12
17	Repeatability of radiomic features in magnetic resonance imaging of glioblastoma: Test-retest and image registration analyses. <i>Medical Physics</i> , 2020, 47, 4265-4280.	3.0	48
18	Development of Ga-68 labeled, biotinylated thiosemicarbazone dextran-coated iron oxide nanoparticles as multimodal PET/MRI probe. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 932-941.	7.5	22

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19	Performance evaluation of developed dedicated breast PET scanner and improvement of the spatial resolution by wobbling: a Monte Carlo study. Japanese Journal of Radiology, 2020, 38, 790-799.	2.4	6
20	Synthesis, biological evaluation and preclinical study of a novel $^{99m}\text{Tc}$ -peptide: A targeting probe of amyloid- $\beta$ plaques as a possible diagnostic agent for Alzheimer's disease. Bioorganic Chemistry, 2020, 99, 103857.	4.1	10
21	Radiosynthesis, Biological Evaluation, and Preclinical Study of a $^{68}\text{Ga}$ -Labeled Cyclic RGD Peptide as an Early Diagnostic Agent for Overexpressed $\alpha_v\beta_3$ Integrin Receptors in Non-Small-Cell Lung Cancer. Contrast Media and Molecular Imaging, 2020, 2020, 1-11.	0.8	11
22	In vitro evaluation of an iodine radionuclide dosimeter (IRD) for continuous patient monitoring. Medical and Biological Engineering and Computing, 2020, 58, 763-769.	2.8	1
23	Preclinical study of a new Lu-labeled somatostatin receptor antagonist in HT-29 human colorectal cancer cells. Asia Oceania Journal of Nuclear Medicine and Biology, 2020, 8, 109-115.	0.1	2
24	NEMA NU-4 2008 performance evaluation of XtrimPET: A prototype SiPM-based preclinical scanner. Medical Physics, 2019, 46, 4816-4825.	3.0	22
25	Direct attenuation correction of brain PET images using only emission data via a deep convolutional encoder-decoder (Deep-DAC). European Radiology, 2019, 29, 6867-6879.	4.5	72
26	Neo-adjuvant chemoradiotherapy response prediction using MRI based ensemble learning method in rectal cancer patients. Physica Medica, 2019, 62, 111-119.	0.7	39
27	$^{68}\text{Ga}$ -radiolabeled bombesin-conjugated to trimethyl chitosan-coated superparamagnetic nanoparticles for molecular imaging: preparation, characterization and biological evaluation. International Journal of Nanomedicine, 2019, Volume 14, 2591-2605.	6.7	46
28	Design, Synthesis, Radiolabeling, and Biologic Evaluation of Three $^{18}\text{F}$ -FDG-Radiolabeled Targeting Peptides for the Imaging of Apoptosis. Cancer Biotherapy and Radiopharmaceuticals, 2019, 34, 271-279.	1.0	5
29	Techniques for generating attenuation map using cardiac SPECT emission data only: a systematic review. Annals of Nuclear Medicine, 2019, 33, 1-13.	2.2	5
30	Diagnostic efficiency of Ga-DOTATATE PET/CT as compared to Tc-Octreotide SPECT/CT and conventional morphological studies in neuroendocrine tumors. Asia Oceania Journal of Nuclear Medicine and Biology, 2019, 7, 129-140.	0.1	18
31	Prediction of dose to the relatives of patients treated with radioiodine-131 using neural networks. Journal of Radiological Protection, 2018, 38, 422-433.	1.1	2
32	Radiolabeling of Preformed Niosomes with [ $^{99m}\text{Tc}$ ]: In Vitro Stability, Biodistribution, and In Vivo Performance. AAPS PharmSciTech, 2018, 19, 3859-3870.	3.3	10
33	[ $^{18}\text{F}$ ]FDG-Labeled CGPRPPC Peptide Serving as a Small Thrombotic Lesions Probe, Including a Comparison with [ $^{99m}\text{Tc}$ ]-Labeled Form. Cancer Biotherapy and Radiopharmaceuticals, 2018, 33, 438-444.	1.0	3
34	Chelator-free radiolabeling of dextran with $^{68}\text{Ga}$ for PET studies. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 1811-1817.	1.5	7
35	Optimized production, quality control, biological evaluation and PET/CT imaging of $^{68}\text{Ga}$ -PSMA-617 in breast adenocarcinoma model. Radiochimica Acta, 2017, 105, 399-407.	1.2	6
36	The impact of image reconstruction settings on $^{18}\text{F}$ -FDG PET radiomic features: multi-scanner phantom and patient studies. European Radiology, 2017, 27, 4498-4509.	4.5	148

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37	Low-dose 90Y PET/CT imaging optimized for lesion detectability and quantitative accuracy. Nuclear Medicine Communications, 2017, 38, 985-997.	1.1	2
38	Targeted Delivery System Based on Gemcitabine-Loaded Silk Fibroin Nanoparticles for Lung Cancer Therapy. ACS Applied Materials & Interfaces, 2017, 9, 31600-31611.	8.0	86
39	Development and validation of an accurate GATE model for NeuroPET scanner. Physica Medica, 2017, 40, 59-65.	0.7	9
40	A Novel Framework for Automated Segmentation and Labeling of Homogeneous Versus Heterogeneous Lung Tumors in [18F]FDG-PET Imaging. Molecular Imaging and Biology, 2017, 19, 456-468.	2.6	10
41	Synthesis and Biological Evaluation of Cyclic [99mTc]-HYNIC-CGPRPPC as a Fibrin-Binding Peptide for Molecular Imaging of Thrombosis and Its Comparison with [99mTc]-HYNIC-GPRPP. Molecular Imaging and Biology, 2017, 19, 256-264.	2.6	17
42	PEGylated superparamagnetic iron oxide nanoparticles labeled with 68Ga as a PET/MRI contrast agent: a biodistribution study. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 769-774.	1.5	25
43	Preclinical Evaluation of Ga-MAA from Commercial Available Tc-MAA Kit. Iranian Journal of Pharmaceutical Research, 2017, 16, 1415-1423.	0.5	3
44	Combined fuzzy logic and random walker algorithm for PET image tumor delineation. Nuclear Medicine Communications, 2016, 37, 171-181.	1.1	4
45	Evaluating the Application of Tissue-Specific Dose Kernels Instead of Water Dose Kernels in Internal Dosimetry: A Monte Carlo Study. Cancer Biotherapy and Radiopharmaceuticals, 2016, 31, 367-379.	1.0	21
46	Production and Clinical Applications of Radiopharmaceuticals and Medical Radioisotopes in Iran. Seminars in Nuclear Medicine, 2016, 46, 340-358.	4.6	18
47	Gender Differences in Radiation Dose From Nuclear Cardiology Studies Across the World. JACC: Cardiovascular Imaging, 2016, 9, 376-384.	5.3	13
48	Preparation and biodistribution assessment of 68Ga-DKFZ-PSMA-617 for PET prostate cancer imaging. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	3.4	3
49	18FDG-labeled LIKKPF: a PET tracer for apoptosis imaging. Journal of Radioanalytical and Nuclear Chemistry, 2016, 310, 413-421.	1.5	8
50	Evaluation of 99mTc-TRODAT-1 SPECT in the diagnosis of Parkinson's disease versus other progressive movement disorders. Annals of Nuclear Medicine, 2016, 30, 153-162.	2.2	23
51	Gastrointestinal side effects of the radioiodine therapy for the patients with differentiated thyroid carcinoma two days after prescription. World Journal of Nuclear Medicine, 2016, 15, 173-178.	0.5	11
52	Synthesis, Radiolabeling, and Biological Evaluation of Peptide LIKKPF Functionalized with HYNIC as Apoptosis Imaging Agent. Iranian Journal of Pharmaceutical Research, 2016, 15, 415-24.	0.5	4
53	Preparation and Evaluation of 68Ga-ECC as a PET Renal Imaging Agent. Nuclear Medicine and Molecular Imaging, 2015, 49, 208-216.	1.0	28
54	Comparison of estimated human dose of 68Ga-MAA with 99mTc-MAA based on rat data. Annals of Nuclear Medicine, 2015, 29, 745-753.	2.2	9

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55	Optimized production and quality control of <sup>68</sup> Ga-EDTMP for small clinical trials. <i>Annals of Nuclear Medicine</i> , 2015, 29, 506-511.	2.2	16
56	Respiratory-Induced Errors in Tumor Quantification and Delineation in CT Attenuation-Corrected PET Images: Effects of Tumor Size, Tumor Location, and Respiratory Trace: A Simulation Study Using the 4D XCAT Phantom. <i>Molecular Imaging and Biology</i> , 2013, 15, 655-665.	2.6	24
57	Monte Carlo-based evaluation of inter-crystal scatter and penetration in the PET subsystem of three GE Discovery PET/CT scanners. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 659, 508-514.	1.6	11
58	Investigation of time-of-flight benefits in an LYSO-based PET/CT scanner: A Monte Carlo study using GATE. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 641, 121-127.	1.6	11
59	Quantitative investigation of inter-crystal scatter and penetration in the GE Discovery RX PET/CT scanner using Monte Carlo simulations. , 2010, , .		4
60	Monte Carlo based performance assessment of four Commercial GE Discovery PET/CT scanners using GATE. , 2008, , .		4
61	Monte Carlo assessment of time-of-flight benefits on the LYSO-based discovery RX PET/CT scanner. , 2008, , .		1