

Youngho Seo

List of Publications by Year in descending order

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177
papers

4,801
citations

147801

31
h-index

114465

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178
all docs

178
docs citations

178
times ranked

7560
citing authors

#	ARTICLE	IF	CITATIONS
1	The Metabolic Profile of Tumors Depends on Both the Responsible Genetic Lesion and Tissue Type. <i>Cell Metabolism</i> , 2012, 15, 157-170.	16.2	553
2	A Deep Learning Model to Predict a Diagnosis of Alzheimer Disease by Using ¹⁸ F-FDG PET of the Brain. <i>Radiology</i> , 2019, 290, 456-464.	7.3	413
3	Differential Requirements for eIF4E Dose in Normal Development and Cancer. <i>Cell</i> , 2015, 162, 59-71.	28.9	283
4	Selective activation of p53-mediated tumour suppression in high-grade tumours. <i>Nature</i> , 2010, 468, 567-571.	27.8	233
5	Zero-Echo-Time and Dixon Deep Pseudo-CT (ZeDD CT): Direct Generation of Pseudo-CT Images for Pelvic PET/MRI Attenuation Correction Using Deep Convolutional Neural Networks with Multiparametric MRI. <i>Journal of Nuclear Medicine</i> , 2018, 59, 852-858.	5.0	206
6	Iterative PET Image Reconstruction Using Convolutional Neural Network Representation. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 675-685.	8.9	188
7	Technological Development and Advances in Single-Photon Emission Computed Tomography/Computed Tomography. <i>Seminars in Nuclear Medicine</i> , 2008, 38, 177-198.	4.6	172
8	Partial-volume correction in PET: validation of an iterative postreconstruction method with phantom and patient data. <i>Journal of Nuclear Medicine</i> , 2007, 48, 802-10.	5.0	134
9	Attenuation correction for brain PET imaging using deep neural network based on Dixon and ZTE MR images. <i>Physics in Medicine and Biology</i> , 2018, 63, 125011.	3.0	97
10	Gene therapy for aromatic L-amino acid decarboxylase deficiency by MR-guided direct delivery of AAV2-AAADC to midbrain dopaminergic neurons. <i>Nature Communications</i> , 2021, 12, 4251.	12.8	83
11	Exploration of PET and MRI radiomic features for decoding breast cancer phenotypes and prognosis. <i>Npj Breast Cancer</i> , 2018, 4, 24.	5.2	79
12	Hybrid ^{ZTE} /Dixon ^{MR} -based attenuation correction for quantitative uptake estimation of pelvic lesions in ^{PET} / ^{MRI} . <i>Medical Physics</i> , 2017, 44, 902-913.	3.0	73
13	Patient-Specific Dosimetry Using Pretherapy [124I]m-iodobenzylguanidine ([124I]mIBG) Dynamic PET/CT Imaging Before [131I]mIBG Targeted Radionuclide Therapy for Neuroblastoma. <i>Molecular Imaging and Biology</i> , 2015, 17, 284-294.	2.6	67
14	Ictal lack of binding to brain parenchyma suggests integrity of the blood-brain barrier for ¹¹ C-dihydroergotamine during glyceryl trinitrate-induced migraine. <i>Brain</i> , 2016, 139, 1994-2001.	7.6	66
15	Joint correction of attenuation and scatter in image space using deep convolutional neural networks for dedicated brain ¹⁸ F-FDG PET. <i>Physics in Medicine and Biology</i> , 2019, 64, 075019.	3.0	65
16	Vorinostat Increases Expression of Functional Norepinephrine Transporter in Neuroblastoma <i>In Vitro</i> and <i>In Vivo</i> Model Systems. <i>Clinical Cancer Research</i> , 2011, 17, 2339-2349.	7.0	61
17	Radiation dose estimation using preclinical imaging with ^{meta} iodobenzylguanidine (MIBG) PET. <i>Medical Physics</i> , 2010, 37, 4861-4867.	3.0	60
18	^{MET} Exon 14 Mutation Encodes an Actionable Therapeutic Target in Lung Adenocarcinoma. <i>Cancer Research</i> , 2017, 77, 4498-4505.	0.9	57

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19	Measurement of the $\frac{1}{4}$ decay spectrum with the ICARUS liquid Argon TPC. European Physical Journal C, 2004, 33, 233-241.	3.9	50
20	Biodistribution of Antibody-MS2 Viral Capsid Conjugates in Breast Cancer Models. Molecular Pharmaceutics, 2016, 13, 3764-3772.	4.6	50
21	Imaging Bone-Cartilage Interactions in Osteoarthritis Using [¹⁸ F]-NaF PET-MRI. Molecular Imaging, 2016, 15, 153601211668359.	1.4	50
22	Development of ⁶⁴ Cu-NOTA-Trastuzumab for HER2 Targeting: A Radiopharmaceutical with Improved Pharmacokinetics for Human Studies. Journal of Nuclear Medicine, 2019, 60, 26-33.	5.0	47
23	The effect of internalizing human single chain antibody fragment on liposome targeting to epithelioid and sarcomatoid mesothelioma. Biomaterials, 2011, 32, 2605-2613.	11.4	45
24	Targeting CD46 for both adenocarcinoma and neuroendocrine prostate cancer. JCI Insight, 2018, 3, .	5.0	43
25	Assessing cervical dislocation as a humane euthanasia method in mice. Journal of the American Association for Laboratory Animal Science, 2012, 51, 352-6.	1.2	43
26	Tumor Dosimetry Using [¹²⁴ I]m-iodobenzylguanidine MicroPET/CT for [¹³¹ I]m-iodobenzylguanidine Treatment of Neuroblastoma in a Murine Xenograft Model. Molecular Imaging and Biology, 2012, 14, 735-742.	2.6	42
27	Correction of photon attenuation and collimator response for a body-contouring SPECT/CT imaging system. Journal of Nuclear Medicine, 2005, 46, 868-77.	5.0	42
28	Measurement of absolute myocardial blood flow in humans using dynamic cardiac SPECT and ^{99m} Tc-tetrofosmin: Method and validation. Journal of Nuclear Cardiology, 2017, 24, 268-277.	2.1	40
29	Evaluation of Sinus/Edge-Corrected Zero-Echo-Time-Based Attenuation Correction in Brain PET/MRI. Journal of Nuclear Medicine, 2017, 58, 1873-1879.	5.0	40
30	Phase I Study of CTT1057, an ¹⁸ F-Labeled Imaging Agent with Phosphoramidate Core Targeting Prostate-Specific Membrane Antigen in Prostate Cancer. Journal of Nuclear Medicine, 2019, 60, 910-916.	5.0	35
31	Direct Attenuation Correction Using Deep Learning for Cardiac SPECT: A Feasibility Study. Journal of Nuclear Medicine, 2021, 62, 1645-1652.	5.0	34
32	Targeting Prostate Cancer Cells In Vivo Using a Rapidly Internalizing Novel Human Single-Chain Antibody Fragment. Journal of Nuclear Medicine, 2010, 51, 427-432.	5.0	33
33	A Feasibility Study Showing [⁶⁸ Ga]Citrate PET Detects Prostate Cancer. Molecular Imaging and Biology, 2016, 18, 946-951.	2.6	33
34	Calculation and validation of the use of effective attenuation coefficient for attenuation correction in In- ¹¹¹ SPECT. Medical Physics, 2005, 32, 3628-3635.	3.0	32
35	Nanoprobes for Medical Diagnosis: Current Status of Nanotechnology in Molecular Imaging. Current Nanoscience, 2008, 4, 17-29.	1.2	32
36	High Enantiomeric Excess In-Loop Synthesis of α -[methyl- ¹¹ C]Methionine for Use as a Diagnostic Positron Emission Tomography Radiotracer in Bacterial Infection. ACS Infectious Diseases, 2020, 6, 43-49.	3.8	31

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37	¹²⁴ I-MIBG PET/CT to Monitor Metastatic Disease in Children with Relapsed Neuroblastoma. <i>Journal of Nuclear Medicine</i> , 2021, 62, 43-47.	5.0	31
38	Longitudinal Evaluation of Left Ventricular Substrate Metabolism, Perfusion, and Dysfunction in the Spontaneously Hypertensive Rat Model of Hypertrophy Using Small-Animal PET/CT Imaging. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1938-1945.	5.0	30
39	In Vivo Tumor Grading of Prostate Cancer Using Quantitative ¹¹¹ In-Capromab Pendetide SPECT/CT. <i>Journal of Nuclear Medicine</i> , 2010, 51, 31-36.	5.0	29
40	CT-less Direct Correction of Attenuation and Scatter in the Image Space Using Deep Learning for Whole-Body FDG PET: Potential Benefits and Pitfalls. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e200137.	5.8	28
41	Biodistributions of ¹⁷⁷ Lu- and ¹¹¹ In-Labeled 7E11 Antibodies to Prostate-Specific Membrane Antigen in Xenograft Model of Prostate Cancer and Potential Use of ¹¹¹ In-7E11 as a Pre-therapeutic Agent for ¹⁷⁷ Lu-7E11 Radioimmunotherapy. <i>Molecular Imaging and Biology</i> , 2009, 11, 159-166.	2.6	26
42	Targeting iron metabolism in high-grade glioma with ⁶⁸ Ga-citrate PET/MR. <i>JCI Insight</i> , 2018, 3, .	5.0	26
43	Dosimetry in radionuclide therapy: the clinical role of measuring radiation dose. <i>Lancet Oncology</i> , 2022, 23, e75-e87.	10.7	26
44	An Open-Source, Vendor Agnostic Hardware and Software Pipeline for Integration of Artificial Intelligence in Radiology Workflow. <i>Journal of Digital Imaging</i> , 2020, 33, 1041-1046.	2.9	24
45	Theranostic Targeting of CUB Domain Containing Protein 1 (CDCP1) in Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2020, 26, 3608-3615.	7.0	24
46	Vascular Cell Adhesion Molecule-Targeted MS2 Viral Capsids for the Detection of Early-Stage Atherosclerotic Plaques. <i>Bioconjugate Chemistry</i> , 2018, 29, 2526-2530.	3.6	22
47	MR-Based Attenuation Correction for Brain PET Using 3-D Cycle-Consistent Adversarial Network. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021, 5, 185-192.	3.7	22
48	Quantitative Imaging of Alpha-Emitting Therapeutic Radiopharmaceuticals. <i>Nuclear Medicine and Molecular Imaging</i> , 2019, 53, 182-188.	1.0	21
49	Ferronostics: Measuring Tumoral Ferrous Iron with PET to Predict Sensitivity to Iron-Targeted Cancer Therapies. <i>Journal of Nuclear Medicine</i> , 2021, 62, jnumed.120.252460.	5.0	21
50	MAPEM-Net: an unrolled neural network for Fully 3D PET image reconstruction. , 2019, , .		21
51	Progress in SPECT/CT Imaging of Prostate Cancer. <i>Technology in Cancer Research and Treatment</i> , 2006, 5, 329-336.	1.9	20
52	First-in-human immunoPET imaging of HIV-1 infection using ⁸⁹ Zr-labeled VRC01 broadly neutralizing antibody. <i>Nature Communications</i> , 2022, 13, 1219.	12.8	20
53	Mapping of Lymphatic Drainage from the Prostate Using Filtered ^{99m} Tc-Sulfur Nanocolloid and SPECT/CT. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1068-1072.	5.0	19
54	Quantitative Evaluation of Atlas-based Attenuation Correction for Brain PET in an Integrated Time-of-Flight PET/MR Imaging System. <i>Radiology</i> , 2017, 284, 169-179.	7.3	19

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55	Initial experience of dedicated breast PET imaging of ER+ breast cancers using [F-18]fluoroestradiol. <i>Npj Breast Cancer</i> , 2019, 5, 12.	5.2	19
56	EMnet: an unrolled deep neural network for PET image reconstruction. , 2019, , .		19
57	Novel Human Single Chain Antibody Fragments That Are Rapidly Internalizing Effectively Target Epithelioid and Sarcomatoid Mesotheliomas. <i>Cancer Research</i> , 2011, 71, 2428-2432.	0.9	18
58	The impact of audio-visual biofeedback on 4D PET images: Results of a phantom study. <i>Medical Physics</i> , 2012, 39, 1046-1057.	3.0	18
59	Functional Imaging for Prostate Cancer: Therapeutic Implications. <i>Seminars in Nuclear Medicine</i> , 2012, 42, 328-342.	4.6	18
60	Molecular Imaging of Prostate Cancer Targeting CD46 Using ImmunoPET. <i>Clinical Cancer Research</i> , 2021, 27, 1305-1315.	7.0	18
61	<i>In vivo</i> microCT imaging of rodent cerebral vasculature. <i>Physics in Medicine and Biology</i> , 2008, 53, N99-N107.	3.0	17
62	Design and performance evaluation of a 20-aperture multipinhole collimator for myocardial perfusion imaging applications. <i>Physics in Medicine and Biology</i> , 2013, 58, 7209-7226.	3.0	17
63	PET/CT Imaging of Human TNF \pm Using [89Zr]Certolizumab Pegol in a Transgenic Preclinical Model of Rheumatoid Arthritis. <i>Molecular Imaging and Biology</i> , 2020, 22, 105-114.	2.6	17
64	Combined SPECT and Multidetector CT for Prostate Cancer Evaluations. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 2, 48-54.	1.0	17
65	Assessing Biological Response to Bevacizumab Using 18F-Fluoromisonidazole PET/MR Imaging in a Patient with Recurrent Anaplastic Astrocytoma. <i>Case Reports in Radiology</i> , 2015, 2015, 1-4.	0.3	16
66	Quantitative and Qualitative Improvement of Low-Count [68Ga]Citrate and [90Y]Microspheres PET Image Reconstructions Using Block Sequential Regularized Expectation Maximization Algorithm. <i>Molecular Imaging and Biology</i> , 2020, 22, 208-216.	2.6	16
67	Imaging joint infections using D-methyl-11C-methionine PET/MR: initial experience in humans. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 3761-3771.	6.4	16
68	Multipinhole collimator with 20 apertures for a brain SPECT application. <i>Medical Physics</i> , 2014, 41, 112501.	3.0	15
69	Bone Remodeling after MR Imaging-guided High-Intensity Focused Ultrasound Ablation: Evaluation with MR Imaging, CT, Na18F-PET, and Histopathologic Examination in a Swine Model. <i>Radiology</i> , 2015, 274, 387-394.	7.3	15
70	18F Fluorocholine Dynamic Time-of-Flight PET/MR Imaging in Patients with Newly Diagnosed Intermediate- to High-Risk Prostate Cancer: Initial Clinical-Pathologic Comparisons. <i>Radiology</i> , 2017, 282, 429-436.	7.3	15
71	Technical Note: Simplified and practical pretherapy tumor dosimetry – A feasibility study for 131 I-MIBG therapy of neuroblastoma using 124 I-MIBG PET / CT. <i>Medical Physics</i> , 2019, 46, 2477-2486.	3.0	15
72	Brown adipocyte ATF4 activation improves thermoregulation and systemic metabolism. <i>Cell Reports</i> , 2021, 36, 109742.	6.4	15

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73	Quantification of SPECT and PET for Drug Development. <i>Current Radiopharmaceuticals</i> , 2008, 1, 17-21.	0.8	14
74	Slowed gastric emptying and improved oral glucose tolerance produced by a nanomolar ϵ -potency inhibitor of calcium-activated chloride channel TMEM16A. <i>FASEB Journal</i> , 2019, 33, 11247-11257.	0.5	14
75	Domain specific word embeddings for natural language processing in radiology. <i>Journal of Biomedical Informatics</i> , 2021, 113, 103665.	4.3	14
76	Dedicated Breast Positron Emission Tomography for the Evaluation of Early Response to Neoadjuvant Chemotherapy in Breast Cancer. <i>Clinical Breast Cancer</i> , 2017, 17, e155-e159.	2.4	13
77	[¹⁸ F]-Sodium Fluoride PET MR-Based Localization and Quantification of Bone Turnover as a Biomarker for Facet Joint-Induced Disability. <i>American Journal of Neuroradiology</i> , 2017, 38, 2028-2031.	2.4	13
78	Overcoming Barriers to Radiopharmaceutical Therapy (RPT): An Overview From the NRG-NCI Working Group on Dosimetry of Radiopharmaceutical Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 905-912.	0.8	13
79	Correcting tumour SUV for enhanced bone marrow uptake: retrospective ¹⁸ F-FDG PET/CT studies. <i>Nuclear Medicine Communications</i> , 2008, 29, 359-366.	1.1	12
80	In situ Compressive Loading and Correlative Noninvasive Imaging of the Bone-periodontal Ligament-tooth Fibrous Joint. <i>Journal of Visualized Experiments</i> , 2014, . .	0.3	12
81	Noninvasive PET quantitative myocardial blood flow with regadenoson for assessing cardiac allograft vasculopathy in orthotopic heart transplantation patients. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 1134-1144.	2.1	12
82	Quantitative and Visual Assessments toward Potential Sub-mSv or Ultrafast FDG PET Using High-Sensitivity TOF PET in PET/MRI. <i>Molecular Imaging and Biology</i> , 2018, 20, 492-500.	2.6	12
83	Quantitative analysis of hypertrophic myocardium using diffusion tensor magnetic resonance imaging. <i>Journal of Medical Imaging</i> , 2016, 3, 1.	1.5	12
84	Incorporating Radiomics into Machine Learning Models to Predict Outcomes of Neuroblastoma. <i>Journal of Digital Imaging</i> , 2022, 35, 605-612.	2.9	12
85	Rodent brain imaging with SPECT/CT. <i>Medical Physics</i> , 2007, 34, 1217-1220.	3.0	11
86	[¹¹ C]acetate PET Imaging is not Always Associated with Increased Lipogenesis in Hepatocellular Carcinoma in Mice. <i>Molecular Imaging and Biology</i> , 2016, 18, 360-367.	2.6	11
87	An Analysis of Isoclonal Antibody Formats Suggests a Role for Measuring PD-L1 with Low Molecular Weight PET Radiotracers. <i>Molecular Imaging and Biology</i> , 2020, 22, 1553-1561.	2.6	11
88	Evaluation of primary breast cancers using dedicated breast PET and whole-body PET. <i>Scientific Reports</i> , 2020, 10, 21930.	3.3	11
89	Quantitative accuracy of PET/CT for image-based kinetic analysis. <i>Medical Physics</i> , 2008, 35, 3086-3089.	3.0	10
90	Image reconstruction in higher dimensions: myocardial perfusion imaging of tracer dynamics with cardiac motion due to deformation and respiration. <i>Physics in Medicine and Biology</i> , 2015, 60, 8275-8301.	3.0	10

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91	Direct image-based attenuation correction using conditional generative adversarial network for SPECT myocardial perfusion imaging. , 2021, 11600, .		10
92	CUB Domain-Containing Protein 1 (CDCP1) Is a Target for Radioligand Therapy in Castration-Resistant Prostate Cancer, including PSMA Null Disease. Clinical Cancer Research, 2022, 28, 3066-3075.	7.0	10
93	Patient-Specific Method of Generating Parametric Maps of Patlak Ki without Blood Sampling or Metabolite Correction: A Feasibility Study. International Journal of Molecular Imaging, 2011, 2011, 1-12.	1.3	9
94	Temperature Dependent Operation of PSAPD-Based Compact Gamma Camera for SPECT Imaging. IEEE Transactions on Nuclear Science, 2011, 58, 2169-2174.	2.0	8
95	Improved Trabecular Bone Structure of 20-Month-Old Male Spontaneously Hypertensive Rats. Calcified Tissue International, 2014, 95, 282-291.	3.1	8
96	An energy-optimized collimator design for a CZT-based SPECT camera. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 806, 330-339.	1.6	8
97	A combined static-dynamic single-dose imaging protocol to compare quantitative dynamic SPECT with static conventional SPECT. Journal of Nuclear Cardiology, 2019, 26, 763-771.	2.1	8
98	Myocardial blood flow measurement with a conventional dual-head SPECT/CT with spatiotemporal iterative reconstructions - a clinical feasibility study. American Journal of Nuclear Medicine and Molecular Imaging, 2013, 4, 53-9.	1.0	8
99	Improved prostate cancer imaging with SPECT/CT and MRI/MRSI. IEEE Transactions on Nuclear Science, 2005, 52, 1316-1320.	2.0	7
100	The effect of magnetic field on positron range and spatial resolution in an integrated whole-body time-of-flight PET/MRI system. , 2014, 2014, .		7
101	Application of a Domain-specific BERT for Detection of Speech Recognition Errors in Radiology Reports. Radiology: Artificial Intelligence, 2022, 4, .	5.8	7
102	Phantom Experiments on a PSAPD-Based Compact Gamma Camera With Submillimeter Spatial Resolution for Small Animal SPECT. IEEE Transactions on Nuclear Science, 2010, 57, 2518-2523.	2.0	6
103	Technical Note: Fast respiratory motion estimation using sorted singles without unlist processing: A feasibility study. Medical Physics, 2017, 44, 1632-1637.	3.0	6
104	Longitudinal Evaluation of Myocardial Fatty Acid and Glucose Metabolism in Fasted and Nonfasted Spontaneously Hypertensive Rats Using MicroPET/CT. Molecular Imaging, 2017, 16, 153601211772455.	1.4	6
105	Imaging Hepatocellular Carcinoma With ⁶⁸ Ga-Citrate PET: First Clinical Experience. Molecular Imaging, 2017, 16, 153601211772325.	1.4	6
106	Automatic Labeling of Special Diagnostic Mammography Views from Images and DICOM Headers. Journal of Digital Imaging, 2019, 32, 228-233.	2.9	6
107	Ultrafast multipinhole single photon emission computed tomography iterative reconstruction using CUDA. , 2011, , .		5
108	Developing an efficient phase-matched attenuation correction method for quiescent period PET in abdominal PET/MRI. Physics in Medicine and Biology, 2018, 63, 185002.	3.0	5

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109	Dynamic cardiac PET imaging: Technological improvements advancing future cardiac health. Journal of Nuclear Cardiology, 2019, 26, 1292-1297.	2.1	5
110	PET imaging of glucose and fatty acid metabolism for NAFLD patients. Journal of Nuclear Cardiology, 2020, 27, 1689-1697.	2.1	5
111	Depth-of-Interaction Compensation Using a Focused-Cut Scintillator for a Pinhole Gamma Camera. IEEE Transactions on Nuclear Science, 2011, 58, 634-638.	2.0	4
112	Intravenous Vasopressin for the Prevention of Nontarget Gastrointestinal Embolization during Liver-directed Cancer Treatment: Experimental Study in a Porcine Model. Journal of Vascular and Interventional Radiology, 2012, 23, 1505-1512.	0.5	4
113	Feasibility of myocardial PET imaging using a benzylguanidine analog: meta-(3-[18F]fluoropropyl)benzylguanidine ([18F]mFPBC). Nuclear Medicine and Biology, 2018, 61, 63-70.	0.6	4
114	A Novel Radioligand Reveals Tissue Specific Pharmacological Modulation of Glucocorticoid Receptor Expression with Positron Emission Tomography. ACS Chemical Biology, 2020, 15, 1381-1391.	3.4	4
115	Mask-Guided Convolutional Neural Network for Breast Tumor Prognostic Outcome Prediction on 3D DCE-MR Images. Journal of Digital Imaging, 2021, 34, 630-636.	2.9	4
116	Prediction of future healthcare expenses of patients from chest radiographs using deep learning: a pilot study. Scientific Reports, 2022, 12, 8344.	3.3	4
117	Compact CdZnTe-based gamma camera for prostate cancer imaging. , 2011, , .		3
118	Beneficial Effects of Melatonin on Apolipoprotein-E Knockout Mice by Morphological and 18F-FDG PET/CT Assessments. International Journal of Molecular Sciences, 2020, 21, 2920.	4.1	3
119	Collimatorless Scintigraphy for Imaging Extremely Low Activity Targeted Alpha Therapy (TAT) with Weighted Robust Least Squares (WRLS). Lecture Notes in Computer Science, 2020, 12267, 803-811.	1.3	3
120	Clinical language search algorithm from free-text: facilitating appropriate imaging. BMC Medical Imaging, 2022, 22, 18.	2.7	3
121	An Analytical Algorithm for Tensor Tomography From Projections Acquired About Three Axes. IEEE Transactions on Medical Imaging, 2022, 41, 3454-3472.	8.9	3
122	A preclinical SPECT camera with depth-of-interaction compensation using a focused-cut scintillator. , 2011, , .		2
123	Reconstruction of gated dynamic cardiac SPECT data using spatiotemporal basis functions. , 2012, , .		2
124	Parallelization of iterative reconstruction algorithms in multiple modalities. , 2014, 2014, .		2
125	11C-L-methyl methionine dynamic PET/CT of skeletal muscle: response to protein supplementation compared to L-[ring 13C6] phenylalanine infusion with serial muscle biopsy. Annals of Nuclear Medicine, 2017, 31, 295-303.	2.2	2
126	Tensor Tomography of Dark Field Scatter using X-ray Interferometry with Bi-prisms. , 2017, 2017, .		2

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127	Quantification of ⁸⁹ Zr-iron oxide nanoparticle biodistribution using PET-MR and ultrashort TE sequences. Journal of Magnetic Resonance Imaging, 2018, 48, 1717-1720.	3.4	2
128	Comparison of sparse domain approaches for 4D SPECT dynamic image reconstruction. Medical Physics, 2018, 45, 4493-4509.	3.0	2
129	Parameters Estimation Directly from Sinograms with Neural Networks. , 2019, , .		2
130	Time of flight PET reconstruction using nonuniform update for regional recovery uniformity. Medical Physics, 2019, 46, 649-664.	3.0	2
131	Improved diagnostic confidence and accuracy of pediatric elbow fractures with digital tomosynthesis. Pediatric Radiology, 2020, 50, 363-370.	2.0	2
132	Quantitative ^{99m} Tc Labeling Kit for HYNIC-Conjugated Single Chain Antibody Fragments Targeting Malignant Mesothelioma. Bioconjugate Chemistry, 2020, 31, 1750-1755.	3.6	2
133	Assessment of late-term progression of cardiac allograft vasculopathy in patients with orthotopic heart transplantation using quantitative cardiac ⁸² Rb PET. International Journal of Cardiovascular Imaging, 2021, 37, 1461-1472.	1.5	2
134	The Synthesis and Structural Requirements for Measuring Glucocorticoid Receptor Expression In Vivo with ¹¹ C-YH08 PET. Journal of Nuclear Medicine, 2021, 62, 723-731.	5.0	2
135	Evaluation of a variable-aperture full-ring SPECT system using large-area pixelated CZT modules: A simulation study for brain SPECT applications. Medical Physics, 2021, 48, 2301-2314.	3.0	2
136	High precision localization of pulmonary nodules on chest CT utilizing axial slice number labels. BMC Medical Imaging, 2021, 21, 66.	2.7	2
137	Novel Methodology for Measuring Regional Myocardial Efficiency. IEEE Transactions on Medical Imaging, 2021, 40, 1711-1725.	8.9	2
138	Development and web deployment of an automated neuroradiology MRI protocoling tool with natural language processing. BMC Medical Informatics and Decision Making, 2021, 21, 213.	3.0	2
139	Tomography of dark-field scatter including single-exposure Moiré fringe analysis with X-ray biprism interferometry—A simulation study. Medical Physics, 2021, 48, 6293-6311.	3.0	2
140	Multiresolution spatiotemporal mechanical model of the heart as a prior to constrain the solution for 4D models of the heart. , 2019, 11072, .		2
141	Functional Imaging Combined with Multi-Detector CT: A Radionuclide Imaging Perspective. Current Medical Imaging, 2010, 6, 100-111.	0.8	2
142	Prostate-bladder phantom for radionuclide imaging research. , 2008, , .		1
143	SPECT dual-isotope myocardial perfusion imaging with a 20-pinhole collimator: A simulation study. , 2010, , .		1
144	Depth-of-interaction compensation using a focused-cut scintillator for a pinhole gamma camera. , 2010, , .		1

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145	Phantom measurements and simulations of cardiac and brain studies using a multipinhole collimator with 20 apertures. , 2011, , .		1
146	A dynamic single photon emission computed tomography myocardial perfusion imaging protocol using a 4D spatiotemporal iterative reconstruction. , 2012, , .		1
147	Combining dynamic and ECG-gated ⁸² Rb-PET for practical implementation in the clinic. Nuclear Medicine Communications, 2012, 33, 4-13.	1.1	1
148	Design studies of a CZT-based detector combined with a pixel-geometry-matching collimator for SPECT imaging. , 2013, 2013, 1-4.		1
149	Preclinical SPECT and SPECT/CT. Recent Results in Cancer Research, 2013, 187, 193-220.	1.8	1
150	Handling Big Data in medical imaging: Iterative reconstruction with large-scale automated parallel computation. , 2014, 2014, .		1
151	Quantitative signature of coronary steal in a patient with occluded coronary arteries supported by collateral circulation using dynamic SPECT. , 2014, 2014, .		1
152	Penalized MLLA with spatially-encoded anatomic prior in TOF PET/MR. , 2016, , .		1
153	Effect of Time-of-Flight and Regularized Reconstructions on Quantitative Measurements and Qualitative Assessments in Newly Diagnosed Prostate Cancer With ¹⁸ F-Fluorocholine Dual Time Point PET/MRI. Molecular Imaging, 2017, 16, 153601211773670.	1.4	1
154	Artificial Intelligence Pipeline for Risk Prediction in Cardiovascular Imaging. Circulation: Cardiovascular Imaging, 2020, 13, e010427.	2.6	1
155	Quantitative Assessment of Myocardial Ischemia With Positron Emission Tomography. Journal of Thoracic Imaging, 2023, 38, 247-259.	1.5	1
156	Algorithmic Prediction of Delayed Radiology Turn-Around-Time during Non-Business Hours. Academic Radiology, 2022, 29, e82-e90.	2.5	1
157	X-ray bi-prism interferometry”A design study of proposed novel hardware. Medical Physics, 2021, 48, 6508-6523.	3.0	1
158	Preclinical SPECT and SPECT-CT in Oncology. Recent Results in Cancer Research, 2020, 216, 359-404.	1.8	1
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