

Stephen C Moore

List of Publications by Year in descending order

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44
papers

1,427
citations

430874

18
h-index

395702

33
g-index

44
all docs

44
docs citations

44
times ranked

1608
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical Myocardial Perfusion PET/CT. <i>Journal of Nuclear Medicine</i> , 2007, 48, 783-793.	5.0	251
2	Mitochondrial iron chelation ameliorates cigarette smoke-induced bronchitis and emphysema in mice. <i>Nature Medicine</i> , 2016, 22, 163-174.	30.7	206
3	SNMMI/ASNC/SCCT Guideline for Cardiac SPECT/CT and PET/CT 1.0. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1485-1507.	5.0	184
4	Quantitative dynamic cardiac ^{82}Rb PET using generalized factor and compartment analyses. <i>Journal of Nuclear Medicine</i> , 2005, 46, 1264-71.	5.0	109
5	Review of SPECT collimator selection, optimization, and fabrication for clinical and preclinical imaging. <i>Medical Physics</i> , 2015, 42, 4796-4813.	3.0	106
6	Assessment of myocardial perfusion and function with PET and PET/CT. <i>Journal of Nuclear Cardiology</i> , 2010, 17, 498-513.	2.1	77
7	Approaches to Reducing Radiation Dose from Radionuclide Myocardial Perfusion Imaging. <i>Journal of Nuclear Medicine</i> , 2015, 56, 592-599.	5.0	39
8	Fast Monte Carlo based joint iterative reconstruction for simultaneous $^{99\text{m}}\text{Tc}$ ^{113}Sb SPECT imaging. <i>Medical Physics</i> , 2007, 34, 3263-3272.	3.0	37
9	Collimator optimization for lesion detection incorporating prior information about lesion size. <i>Medical Physics</i> , 1995, 22, 703-713.	3.0	31
10	Partial volume correction for improved PET quantification in ^{18}F -NaF imaging of atherosclerotic plaques. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 1742-1756.	2.1	29
11	Improved Regional Activity Quantitation in Nuclear Medicine Using a New Approach to Correct for Tissue Partial Volume and Spillover Effects. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 405-416.	8.9	28
12	Brain SPECT with short focal-length cone-beam collimation. <i>Medical Physics</i> , 2005, 32, 2236-2244.	3.0	26
13	Recovery and normalization of triple coincidences in PET. <i>Medical Physics</i> , 2015, 42, 1398-1410.	3.0	26
14	Dose reduction in half-time myocardial perfusion SPECT-CT with multifocal collimation. <i>Journal of Nuclear Cardiology</i> , 2016, 23, 657-667.	2.1	26
15	Use of Radiopharmaceuticals in Diagnostic Nuclear Medicine in the United States. <i>Health Physics</i> , 2015, 108, 520-537.	0.5	25
16	Evaluation of scatter compensation methods by their effects on parameter estimation from SPECT projections. <i>Medical Physics</i> , 2001, 28, 278-287.	3.0	24
17	Collimator optimization for detection and quantitation tasks: application to gallium-67 imaging. <i>IEEE Transactions on Medical Imaging</i> , 2005, 24, 1347-1356.	8.9	22
18	Adsorption of metallic radionuclides on plastic phantom walls. <i>Medical Physics</i> , 2008, 35, 1606-1610.	3.0	20

#	ARTICLE	IF	CITATIONS
19	Monte Carlo-based compensation for patient scatter, detector scatter, and crosstalk contamination in In-111 SPECT imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 472-476.	1.6	18
20	Measures of performance in nonlinear estimation tasks: prediction of estimation performance at low signal-to-noise ratio. Physics in Medicine and Biology, 2005, 50, 3697-3715.	3.0	17
21	Joint optimization of collimator and reconstruction parameters in SPECT imaging for lesion quantification. Physics in Medicine and Biology, 2011, 56, 6983-7000.	3.0	16
22	Evaluation of a method for projection-based tissue-activity estimation within small volumes of interest. Physics in Medicine and Biology, 2012, 57, 685-701.	3.0	14
23	Improved activity estimation with MC-JOSEM versus TEW-JOSEM in In111 SPECT. Medical Physics, 2008, 35, 2029-2040.	3.0	11
24	Optimization of Ga-67 imaging for detection and estimation tasks: Dependence of imaging performance on spectral acquisition parameters. Medical Physics, 2002, 29, 1859-1866.	3.0	10
25	Performance of a high-sensitivity dedicated cardiac SPECT scanner for striatal uptake quantification in the brain based on analysis of projection data. Medical Physics, 2013, 40, 042504.	3.0	10
26	Evaluation of Imaging Systems Using the Posterior Variance of Emission Counts. IEEE Transactions on Medical Imaging, 2013, 32, 1829-1839.	8.9	9
27	<title>Estimation performance at low SNR: predictions of the Barankin bound</title>. , 1995, 2432, 157.		7
28	Quantitative simultaneous ¹¹¹ In/ ^{99m} Tc SPECT-CT of osteomyelitis. Medical Physics, 2013, 40, 082501.	3.0	7
29	Design of a new small-animal SPECT system based on rectangular pinhole aperture. , 2012, , .		6
30	Effects of hole tapering on cone-beam collimation for brain SPECT imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 188-192.	1.6	5
31	Reconstruction of multiple-pinhole micro-SPECT data using origin ensembles. Medical Physics, 2016, 43, 5475-5483.	3.0	5
32	Preliminary investigation of imaging properties for sub-millimeter square pinholes. , 2013, , .		4
33	Investigation of imaging properties for submillimeter rectangular pinholes. Medical Physics, 2015, 42, 6933-6944.	3.0	4
34	<title>X2 isocontours: predictors of performance in nonlinear estimation tasks at low SNR</title>. , 1997, , .		3
35	Introduction of a novel ultrahigh sensitivity collimator for brain SPECT imaging. Medical Physics, 2016, 43, 4734-4741.	3.0	3
36	Design of a dual-resolution collimator for preclinical cardiac SPECT with a stationary triple-detector system. Medical Physics, 2016, 43, 6336-6346.	3.0	3

#	ARTICLE	IF	CITATIONS
37	Fast Monte Carlo Simulation Based Joint Iterative Reconstruction for Simultaneous 99mTc/123I Brain SPECT Imaging. , 2006, , .		2
38	Evaluation of Monte Carlo-based compensation for scatter and crosstalk in simultaneous In-111/Tc-99m SPECT-CT imaging of infection. , 2011, , .		2
39	Reduction of micro-SPECT streak artifacts from imperfect system modeling. , 2007, , .		1
40	Statistical decision making in emission tomography using emission-count posteriors. , 2012, , .		1
41	Analytic Determination of Rectangular-Pinhole Sensitivity With Penetration. IEEE Transactions on Medical Imaging, 2020, 39, 833-843.	8.9	1
42	Principles of Quantitation in Cardiac PET. , 2007, , 46-70.		1
43	Simultaneous micro-PET imaging of F-18 and I-124 with correction for triple-random coincidences. , 2019, , .		1
44	Quantification of defect contrast in microSPECT imaging of a myocardial phantom. Physics in Medicine and Biology, 2020, 65, 175001.	3.0	0