Stephen C Moore

List of Publications by Year
in descending order

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	Analytic Determination of Rectangular-Pinhole Sensitivity With Penetration. IEEE Transactions on Medical Imaging, 2020, 39, 833-843.	8.9	1
2	Quantification of defect contrast in microSPECT imaging of a myocardial phantom. Physics in Medicine and Biology, 2020, 65, 175001.	3.0	0
3	Simultaneous micro-PET imaging of F-18 and I-124 with correction for triple-random coincidences. , 2019, , .		1
4	Partial volume correction for improved PET quantification in 18F-NaF imaging of atherosclerotic plaques. Journal of Nuclear Cardiology, 2018, 25, 1742-1756.	2.1	29
5	Introduction of a novel ultrahigh sensitivity collimator for brain SPECT imaging. Medical Physics, 2016, 43, 4734-4741.	3.0	3
6	Reconstruction of multiple-pinhole micro-SPECT data using origin ensembles. Medical Physics, 2016, 43, 5475-5483.	3.0	5
7	Design of a dualâ€resolution collimator for preclinical cardiac SPECT with a stationary tripleâ€detector system. Medical Physics, 2016, 43, 6336-6346.	3.0	3
8	Dose reduction in half-time myocardial perfusion SPECT-CT with multifocal collimation. Journal of Nuclear Cardiology, 2016, 23, 657-667.	2.1	26
9	Mitochondrial iron chelation ameliorates cigarette smokeâ€“induced bronchitis and emphysema in mice. Nature Medicine, 2016, 22, 163-174.	30.7	206
10	Review of SPECT collimator selection, optimization, and fabrication for clinical and preclinical imaging. Medical Physics, 2015, 42, 4796-4813.	3.0	106
11	Investigation of imaging properties for submillimeter rectangular pinholes. Medical Physics, 2015, 42, 6933-6944.	3.0	4
12	Use of Radiopharmaceuticals in Diagnostic Nuclear Medicine in the United States. Health Physics, 2015, 108, 520-537.	0.5	25
13	Approaches to Reducing Radiation Dose from Radionuclide Myocardial Perfusion Imaging. Journal of Nuclear Medicine, 2015, 56, 592-599.	5.0	39
14	Recovery and normalization of triple coincidences in PET. Medical Physics, 2015, 42, 1398-1410.	3.0	26
15	Performance of a highâ€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
16	Evaluation of Imaging Systems Using the Posterior Variance of Emission Counts. IEEE Transactions on Medical Imaging, 2013, 32, 1829-1839.	8.9	9
17	Preliminary investigation of imaging properties for sub-millimeter square pinholes. , 2013, , .		4
18	Quantitative simultaneous ¹¹¹ In/^{99m} Tc SPECT-CT of osteomyelitis. Medical Physics, 2013, 40, 082501.	3.0	7

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19	SNMMI/ASNC/SCCT Guideline for Cardiac SPECT/CT and PET/CT 1.0. Journal of Nuclear Medicine, 2013, 54, 1485-1507.	5.0	184
20	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
21	Design of a new small-animal SPECT system based on rectangular pinhole aperture. , 2012, , .		6
22	Statistical decision making in emission tomography using emission-count posteriors. , 2012, , .		1
23	Improved Regional Activity Quantitation in Nuclear Medicine Using a New Approach to Correct for Tissue Partial Volume and Spillover Effects. IEEE Transactions on Medical Imaging, 2012, 31, 405-416.	8.9	28
24	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
25	Evaluation of Monte Carlo-based compensation for scatter and crosstalk in simultaneous In-111/Tc-99m SPECT-CT imaging of infection. , 2011, , .		2
26	Assessment of myocardial perfusion and function with PET and PET/CT. Journal of Nuclear Cardiology, 2010, 17, 498-513.	2.1	77
27	Adsorption of metallic radionuclides on plastic phantom walls. Medical Physics, 2008, 35, 1606-1610.	3.0	20
28	Improved activity estimation with MC-JOSEM versus TEW-JOSEM in In111 SPECT. Medical Physics, 2008, 35, 2029-2040.	3.0	11
29	Reduction of micro-SPECT streak artifacts from imperfect system modeling. , 2007, , .		1
30	Fast Monte Carlo based joint iterative reconstruction for simultaneous Tc99mâˆ•I123 SPECT imaging. Medical Physics, 2007, 34, 3263-3272.	3.0	37
31	Clinical Myocardial Perfusion PET/CT. Journal of Nuclear Medicine, 2007, 48, 783-793.	5.0	251
32	Principles of Quantitation in Cardiac PET. , 2007, , 46-70.		1
33	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
34	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
35	Fast Monte Carlo Simulation Based Joint Iterative Reconstruction for Simultaneous 99mTc/123I Brain SPECT Imaging. , 2006, , .		2
36	Brain SPECT with short focal-length cone-beam collimation. Medical Physics, 2005, 32, 2236-2244.	3.0	26

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37	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
38	Collimator optimization for detection and quantitation tasks: application to gallium-67 imaging. IEEE Transactions on Medical Imaging, 2005, 24, 1347-1356.	8.9	22
39	Quantitative dynamic cardiac 82Rb PET using generalized factor and compartment analyses. Journal of Nuclear Medicine, 2005, 46, 1264-71.	5.0	109
40	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
41	Evaluation of scatter compensation methods by their effects on parameter estimation from SPECT projections. Medical Physics, 2001, 28, 278-287.	3.0	24
42	<title>X2 isocontours: predictors of performance in nonlinear estimation tasks at low SNR</title>. , 1997, , .		3
43	Collimator optimization for lesion detection incorporating prior information about lesion size. Medical Physics, 1995, 22, 703-713.	3.0	31
44	<title>Estimation performance at low SNR: predictions of the Barankin bound</title>. , 1995, 2432, 157.		7