

# John M Sabol

## List of Publications by Year in descending order

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37  
papers

551  
citations

840776

11  
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677142

22  
g-index

38  
all docs

38  
docs citations

38  
times ranked

408  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Monte Carlo estimation of effective dose in chest tomosynthesis. Medical Physics, 2009, 36, 5480-5487.	3.0	93
2	Optimizing Parameters for Flat-Panel Detector Digital Tomosynthesis. Radiographics, 2010, 30, 549-562.	3.3	80
3	Whole-Body Clinical Applications of Digital Tomosynthesis. Radiographics, 2016, 36, 735-750.	3.3	47
4	Radiation dosimetry in digital breast tomosynthesis: Report of AAPM Tomosynthesis Subcommittee Task Group 223. Medical Physics, 2014, 41, 091501.	3.0	43
5	A Monte Carlo study of x-ray fluorescence in x-ray detectors. Medical Physics, 1999, 26, 905-916.	3.0	40
6	Multi-Institutional Evaluation of Digital Tomosynthesis, Dual-Energy Radiography, and Conventional Chest Radiography for the Detection and Management of Pulmonary Nodules. Radiology, 2017, 282, 236-250.	7.3	33
7	Development and characterization of a dual-energy subtraction imaging system for chest radiography based on CsI:Tl amorphous silicon flat-panel technology. , 2001, , .		32
8	Effect of acquisition parameters on image quality in digital tomosynthesis. , 2007, , .		20
9	Scintillating fiber optic screens: A comparison of MTF, light conversion efficiency, and emission angle with Gd <sub>2</sub> O <sub>2</sub> S:Tb screens. Medical Physics, 1997, 24, 279-285.	3.0	18
10	Postoperative follow-up of olecranon fracture by digital tomosynthesis radiography. Japanese Journal of Radiology, 2011, 29, 583-586.	2.4	18
11	Quantifying the tibiofemoral joint space using x-ray tomosynthesis. Medical Physics, 2011, 38, 6672-6682.	3.0	16
12	Mammographic scanning equalization radiography. Medical Physics, 1993, 20, 1505-1515.	3.0	13
13	Radiation dose of digital tomosynthesis for sinonasal examination: Comparison with multi-detector CT. European Journal of Radiology, 2012, 81, 1140-1145.	2.6	12
14	Practical application of a scan-rotate equalization geometry to mammography. Medical Physics, 1996, 23, 1987-1996.	3.0	11
15	Observer performance and dose efficiency of mammographic scanning equalization radiography. Medical Physics, 1993, 20, 1517-1525.	3.0	10
16	A method for practical equalization mammography of the radiographically dense breast.. Radiographics, 1995, 15, 1191-1202.	3.3	10
17	Rotary scanning equalization radiography: An efficient geometry for equalization mammography. Medical Physics, 1994, 21, 1523-1533.	3.0	8
18	Analytical description of the high and low contrast behavior of a scan-rotate geometry for equalization mammography. Medical Physics, 1996, 23, 887-898.	3.0	7

#	ARTICLE	IF	CITATIONS
19	<title>Monte Carlo simulation of photon transport within a hybrid grid-detector system for digital mammography</title>. , 1997, , .		7
20	Automatic Registration of CT Volumes and Dual-Energy Digital Radiography for Detection of Cardiac and Lung Diseases. , 2006, 2006, 1976-9.		6
21	Role of equalisation mammography of dense breasts. Medical and Biological Engineering and Computing, 1995, 33, 167-173.	2.8	5
22	Detection of Paranasal Sinus Opacification With Digital Tomosynthesis Radiography. Journal of Computer Assisted Tomography, 2013, 37, 252-256.	0.9	5
23	The impact of cardiac gating on the detection of coronary calcifications in dual-energy chest radiography: a phantom study. , 2006, , .		3
24	Dual-Energy Subtraction Imaging for Diagnosing Vocal Cord Paralysis with Flat Panel Detector Radiography. Korean Journal of Radiology, 2010, 11, 320.	3.4	3
25	Metal artifact reduction in tomosynthesis imaging. , 2015, , .		3
26	A scan-rotate geometry for efficient equalization mammography. Medical Physics, 1997, 24, 137-137.	3.0	2
27	Science and practice of imaging physics through 50 years of SPIE Medical Imaging conferences. Journal of Medical Imaging, 2022, 9, 012205.	1.5	2
28	Novel method for automated determination of the cancellation parameter in dual-energy imaging: evaluation using anthropomorphic phantom images. , 2003, , .		1
29	Simulated and experimental technique optimization of dual-energy radiography: abdominal imaging applications. , 2006, 6142, 545.		1
30	Accurate joint space quantification in knee osteoarthritis: a digital x-ray tomosynthesis phantom study. Proceedings of SPIE, 2011, , .	0.8	1
31	Dual-energy subtraction radiography improves laryngeal delineation in patients with moderate to severe cervical spondylosis. Japanese Journal of Radiology, 2013, 31, 465-470.	2.4	1
32	<title>Imaging considerations for scintillating fiber optic screens</title>. , 1997, , .		0
33	<title>Novel dry medical recording system</title>. , 1998, 3335, 521.		0
34	Response to "Comment on "A Monte Carlo study of x-ray fluorescence in x-ray detectors" [Med. Phys.26, 2706 (1999)]. Medical Physics, 1999, 26, 2707-2707.	3.0	0
35	Quantitative radiography enabled by slot collimation and a novel scatter correction technique on a large-area flat panel x-ray detector. Proceedings of SPIE, 2009, , .	0.8	0
36	SU-CC-J-6C-10: A Model for Technique Optimization of Dual Energy X-Ray Imaging. Medical Physics, 2005, 32, 1891-1891.	3.0	0

#	ARTICLE	IF	CITATIONS
37	TU-A-217A-04: Radiographic Tomosynthesis: Clinical Applications and Dose. Medical Physics, 2012, 39, 3893-3894.	3.0	0