Jay Baker

List of Publications by Year
in descending order

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33 papers	1,658 citations	304743 22 h-index	395702 33 g-index
33 all docs	33 docs citations	33 times ranked	1174 citing authors

#	Article	IF	Citations
1	Predicting Upstaging of DCIS to Invasive Disease: Radiologists's Predictive Performance. Academic Radiology, 2020, 27, 1580-1585.	2.5	4
2	Prediction of Occult Invasive Disease in Ductal Carcinoma in Situ Using Deep Learning Features. Journal of the American College of Radiology, 2018, 15, 527-534.	1.8	56
3	Can Occult Invasive Disease in Ductal Carcinoma In Situ Be Predicted Using Computer-extracted Mammographic Features?. Academic Radiology, 2017, 24, 1139-1147.	2.5	18
4	Multidisciplinary Care of Patients with Early-Stage Breast Cancer. Surgical Oncology Clinics of North America, 2013, 22, 299-317.	1.5	4
5	Breast Tomosynthesis. Academic Radiology, 2011, 18, 1298-1310.	2.5	149
6	Comparative performance of multiview stereoscopic and mammographic display modalities for breast lesion detection. Medical Physics, 2011, 38, 1972-1980.	3.0	20
7	Computer-aided Classification of Breast Masses: Performance and Interobserver Variability of Expert Radiologists versus Residents. Radiology, 2011, 258, 73-80.	7.3	42
8	Can Compression Be Reduced for Breast Tomosynthesis? Monte Carlo Study on Mass and Microcalcification Conspicuity in Tomosynthesis. Radiology, 2009, 251, 673-682.	7.3	43
9	Optimized image acquisition for breast tomosynthesis in projection and reconstruction space. Medical Physics, 2009, 36, 4859-4869.	3.0	66
10	Breast self-examination: defining a cohort still in need. American Journal of Surgery, 2009, 198, 575-579.	1.8	28
11	The Influence of Increased Ambient Lighting on Mass Detection in Mammograms. Academic Radiology, 2009, 16, 299-304.	2.5	15
12	Automated breast mass detection in 3D reconstructed tomosynthesis volumes: A featureless approach. Medical Physics, 2008, 35, 3626-3636.	3.0	37
13	A mathematical model platform for optimizing a multiprojection breast imaging system. Medical Physics, 2008, 35, 1337-1345.	3.0	41
14	Breast Mass Lesions: Computer-aided Diagnosis Models with Mammographic and Sonographic Descriptors. Radiology, 2007, 244, 390-398.	7.3	96
15	Simulation of Mammographic Lesions. Academic Radiology, 2006, 13, 860-870.	2.5	63
16	Comparison of LCD and CRT Displays Based on Efficacy for Digital Mammography. Academic Radiology, 2006, 13, 1317-1326.	2.5	16
17	Optimized approach to decision fusion of heterogeneous data for breast cancer diagnosis. Medical Physics, 2006, 33, 2945-2954.	3.0	50
18	Accuracy of Segmentation of a Commercial Computer-aided Detection System for Mammography. Radiology, 2005, 235, 385-390.	7.3	16

#	Article	IF	Citations
19	Computer Aid for Decision to Biopsy Breast Masses on Mammography. Academic Radiology, 2005, 12, 671-680.	2.5	25
20	Computer-aided Detection in Screening Mammography: Variability in Cues. Radiology, 2004, 233, 411-417.	7.3	26
21	Computer-Aided Detection (CAD) in Screening Mammography: Sensitivity of Commercial CAD Systems for Detecting Architectural Distortion. American Journal of Roentgenology, 2003, 181, 1083-1088.	2.2	198
22	Cross-Institutional Evaluation of BI-RADS Predictive Model for Mammographic Diagnosis of Breast Cancer. American Journal of Roentgenology, 2002, 178, 457-463.	2.2	41
23	Effect of patient histoy data on the prediction of breast cancer from mammographic findings with artificial neural networks. Academic Radiology, 1999, 6, 10-15.	2.5	62
24	Predictive model for the diagnosis of intraabdominal abscess. Academic Radiology, 1998, 5, 473-479.	2.5	4
25	Predicting breast cancer invasion with artificial neural networks on the basis of mammographic features.. Radiology, 1997, 203, 159-163.	7.3	86
26	Artificial neural network: improving the quality of breast biopsy recommendations.. Radiology, 1996, 198, 131-135.	7.3	100
27	Breast cancer: prediction with artificial neural network based on BI-RADS standardized lexicon.. Radiology, 1995, 196, 817-822.	7.3	216
28	Computer-aided diagnosis of breast cancer: Artificial neural network approach for optimized merging of mammographic features. Academic Radiology, 1995, 2, 841-850.	2.5	63
29	Scatter compensation in digital chest radiography using the posterior beam stop technique. Medical Physics, 1994, 21, 435-443.	3.0	29
30	An artificial neural network for estimating scatter exposures in portable chest radiography. Medical Physics, 1993, 20, 965-973.	3.0	3
31	Observer Evaluation of Scatter Subtraction for Digital Portable Chest Radiographs. Investigative Radiology, 1993, 28, 667-670.	6.2	1
32	Measurement of scatter fractions in clinical bedside radiography.. Radiology, 1992, 183, 857-861.	7.3	32
33	Posterior Beam-Stop Method for Scatter Fraction Measurement in Digital Radiography. Investigative Radiology, 1992, 27, 119-123.	6.2	8