

Berkman Sahiner

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164
papers

5,926
citations

44
h-index

72
g-index

170
ext. papers

6,780
ext. citations

5.2
avg, IF

5.26
L-index

#	Paper	IF	Citations
164	Automatic lung nodule detection in thoracic CT scans using dilated slice-wise convolutions. <i>Medical Physics</i> , 2021 , 48, 3741-3751	4.4	0
163	Discussion on "Approval policies for modifications to machine learning-based software as a medical device: A study of bio-creep" by Jean Feng, Scott Emerson, and Noah Simon. <i>Biometrics</i> , 2021 , 77, 45-48	1.8	3
162	Test Data Reuse for the Evaluation of Continuously Evolving Classification Algorithms Using the Area under the Receiver Operating Characteristic Curve. <i>SIAM Journal on Mathematics of Data Science</i> , 2021 , 3, 692-714	3.1	1
161	Evaluation of Combined Artificial Intelligence and Radiologist Assessment to Interpret Screening Mammograms. <i>JAMA Network Open</i> , 2020 , 3, e200265	10.4	105
160	Recurrent attention network for false positive reduction in the detection of pulmonary nodules in thoracic CT scans. <i>Medical Physics</i> , 2020 , 47, 2150-2160	4.4	7
159	Evaluation of data augmentation via synthetic images for improved breast mass detection on mammograms using deep learning. <i>Journal of Medical Imaging</i> , 2020 , 7, 012703	2.6	10
158	Mammographic Image Conversion Between Source and Target Acquisition Systems Using cGAN. <i>Lecture Notes in Computer Science</i> , 2020 , 523-531	0.9	
157	Evaluation of Simulated Lesions as Surrogates to Clinical Lesions for Thoracic CT Volumetry: The Results of an International Challenge. <i>Academic Radiology</i> , 2019 , 26, e161-e173	4.3	4
156	Reducing overfitting of a deep learning breast mass detection algorithm in mammography using synthetic images 2019 ,		4
155	3-D Convolutional Neural Networks for Automatic Detection of Pulmonary Nodules in Chest CT. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 2080-2090	7.2	44
154	Deep learning in medical imaging and radiation therapy. <i>Medical Physics</i> , 2019 , 46, e1-e36	4.4	294
153	Discrimination of Pulmonary Nodule Volume Change for Low- and High-contrast Tasks in a Phantom CT Study with Low-dose Protocols. <i>Academic Radiology</i> , 2019 , 26, 937-948	4.3	2
152	Calibration of medical diagnostic classifier scores to the probability of disease. <i>Statistical Methods in Medical Research</i> , 2018 , 27, 1394-1409	2.3	7
151	Optimized generation of high-resolution phantom images using cGAN: Application to quantification of Ki67 breast cancer images. <i>PLoS ONE</i> , 2018 , 13, e0196846	3.7	25
150	Computational insertion of microcalcification clusters on mammograms: reader differentiation from native clusters and computer-aided detection comparison. <i>Journal of Medical Imaging</i> , 2018 , 5, 044502	2.6	2
149	Test data reuse for evaluation of adaptive machine learning algorithms: over-fitting to a fixed dataset and a potential solution 2018 ,		3
148	Evaluation of CAD and Radiomic Tools 2018 , 389-406		

147	Nuclear IHC enumeration: A digital phantom to evaluate the performance of automated algorithms in digital pathology. <i>PLoS ONE</i> , 2018 , 13, e0196547	3.7	4
146	Computer-assisted quantification of CD3+ T cells in follicular lymphoma. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017 , 91, 609-621	4.6	3
145	3D Convolutional Neural Network for Automatic Detection of Lung Nodules in Chest CT. <i>Proceedings of SPIE</i> , 2017 , 10134,	1.7	41
144	Detection and diagnosis of colitis on computed tomography using deep convolutional neural networks. <i>Medical Physics</i> , 2017 , 44, 4630-4642	4.4	31
143	Seamless Lesion Insertion for Data Augmentation in CAD Training. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 1005-1015	11.7	29
142	Volume estimation of multidensity nodules with thoracic computed tomography. <i>Journal of Medical Imaging</i> , 2016 , 3, 013504	2.6	1
141	Estimating local noise power spectrum from a few FBP-reconstructed CT scans. <i>Medical Physics</i> , 2016 , 43, 568	4.4	8
140	Impact of Reconstruction Algorithms and Gender-Associated Anatomy on Coronary Calcium Scoring with CT: An Anthropomorphic Phantom Study. <i>Academic Radiology</i> , 2016 , 23, 1470-1479	4.3	7
139	Seamless Insertion of Pulmonary Nodules in Chest CT Images. <i>IEEE Transactions on Biomedical Engineering</i> , 2015 , 62, 2812-2827	5	16
138	Optimizing area under the ROC curve using semi-supervised learning. <i>Pattern Recognition</i> , 2015 , 48, 276-287	7.37	23
137	Statistical analysis of lung nodule volume measurements with CT in a large-scale phantom study. <i>Medical Physics</i> , 2015 , 42, 3932-47	4.4	20
136	Factors affecting uncertainty in lung nodule volume estimation with CT: comparisons of findings from two estimation methods in a phantom study 2015 ,		2
135	Investigation of methods for calibration of classifier scores to probability of disease 2015 ,		1
134	Computerized characterization of lung nodule subtlety using thoracic CT images. <i>Physics in Medicine and Biology</i> , 2014 , 59, 897-910	3.8	11
133	Comparative statistical properties of expected utility and area under the ROC curve for laboratory studies of observer performance in screening mammography. <i>Academic Radiology</i> , 2014 , 21, 481-90	4.3	3
132	Volume estimation of multi-density nodules with thoracic CT 2014 ,		3
131	Seamless insertion of real pulmonary nodules in chest CT exams 2014 ,		2
130	Computer-aided detection of clustered microcalcifications in multiscale bilateral filtering regularized reconstructed digital breast tomosynthesis volume. <i>Medical Physics</i> , 2014 , 41, 021901	4.4	19

129	Evaluation of computer-aided detection and diagnosis systems. <i>Medical Physics</i> , 2013 , 40, 087001	4.4	68
128	Minimum detectable change in lung nodule volume in a phantom CT study. <i>Academic Radiology</i> , 2013 , 20, 1364-70	4.3	16
127	On the assessment of the added value of new predictive biomarkers. <i>BMC Medical Research Methodology</i> , 2013 , 13, 98	4.7	23
126	Quality assurance and training procedures for computer-aided detection and diagnosis systems in clinical use. <i>Medical Physics</i> , 2013 , 40, 077001	4.4	17
125	Benefit of overlapping reconstruction for improving the quantitative assessment of CT lung nodule volume. <i>Academic Radiology</i> , 2013 , 20, 173-80	4.3	21
124	A similarity study of content-based image retrieval system for breast cancer using decision tree. <i>Medical Physics</i> , 2013 , 40, 012901	4.4	4
123	Seeing is believing: video classification for computed tomographic colonography using multiple-instance learning. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 1141-53	11.7	13
122	Hypothesis testing in noninferiority and equivalence MRMOC studies. <i>Academic Radiology</i> , 2012 , 19, 1158-65	4.3	28
121	Computer-aided detection of clustered microcalcifications in digital breast tomosynthesis: a 3D approach. <i>Medical Physics</i> , 2012 , 39, 28-39	4.4	38
120	Inter- and Intra-Observer Variability of Radiologists Evaluating CBIR Systems. <i>Lecture Notes in Computer Science</i> , 2012 , 482-489	0.9	1
119	An Experimental Comparison of Continuous Motion and Step-and-Shoot Modes in Digital Breast Tomosynthesis. <i>Lecture Notes in Computer Science</i> , 2012 , 650-657	0.9	3
118	The importance of ROC data. <i>Academic Radiology</i> , 2011 , 18, 257-8; author reply 259-61	4.3	9
117	Computer-aided detection of breast masses: four-view strategy for screening mammography. <i>Medical Physics</i> , 2011 , 38, 1867-76	4.4	20
116	Similarity evaluation in a content-based image retrieval (CBIR) CADx system for characterization of breast masses on ultrasound images. <i>Medical Physics</i> , 2011 , 38, 1820-31	4.4	23
115	Association of computerized mammographic parenchymal pattern measure with breast cancer risk: a pilot case-control study. <i>Radiology</i> , 2011 , 260, 42-9	20.5	60
114	Head and neck cancers on CT: preliminary study of treatment response assessment based on computerized volume analysis. <i>American Journal of Roentgenology</i> , 2010 , 194, 1083-9	5.4	10
113	Computer-aided diagnosis of lung nodules on CT scans: ROC study of its effect on radiologistsQ performance. <i>Academic Radiology</i> , 2010 , 17, 323-32	4.3	30
112	Dynamic multiple thresholding breast boundary detection algorithm for mammograms. <i>Medical Physics</i> , 2010 , 37, 391-401	4.4	14

111	Computerized image analysis: texture-field orientation method for pectoral muscle identification on MLO-view mammograms. <i>Medical Physics</i> , 2010 , 37, 2289-99	4.4	14
110	Characterization of masses in digital breast tomosynthesis: comparison of machine learning in projection views and reconstructed slices. <i>Medical Physics</i> , 2010 , 37, 3576-86	4.4	22
109	Effect of finite sample size on feature selection and classification: a simulation study. <i>Medical Physics</i> , 2010 , 37, 907-20	4.4	45
108	A new automated method for the segmentation and characterization of breast masses on ultrasound images. <i>Medical Physics</i> , 2009 , 36, 1553-65	4.4	31
107	Computer-aided diagnosis of pulmonary nodules on CT scans: improvement of classification performance with nodule surface features. <i>Medical Physics</i> , 2009 , 36, 3086-98	4.4	107
106	Multi-modality CADx: ROC study of the effect on radiologists' accuracy in characterizing breast masses on mammograms and 3D ultrasound images. <i>Academic Radiology</i> , 2009 , 16, 810-8	4.3	24
105	Effect of CAD on radiologists' detection of lung nodules on thoracic CT scans: analysis of an observer performance study by nodule size. <i>Academic Radiology</i> , 2009 , 16, 1518-30	4.3	74
104	Artifact reduction methods for truncated projections in iterative breast tomosynthesis reconstruction. <i>Journal of Computer Assisted Tomography</i> , 2009 , 33, 426-35	2.2	20
103	Computer-aided detection of breast masses on mammograms: dual system approach with two-view analysis. <i>Medical Physics</i> , 2009 , 36, 4451-60	4.4	38
102	Treatment response assessment of breast masses on dynamic contrast-enhanced magnetic resonance scans using fuzzy c-means clustering and level set segmentation. <i>Medical Physics</i> , 2009 , 36, 5052-63	4.4	18
101	Computer-aided detection of pulmonary embolism in computed tomographic pulmonary angiography (CTPA): performance evaluation with independent data sets. <i>Medical Physics</i> , 2009 , 36, 3385-96	4.4	13
100	A computer-aided diagnosis system for prediction of the probability of malignancy of breast masses on ultrasound images 2009 ,		3
99	Performance analysis of three-class classifiers: properties of a 3-D ROC surface and the normalized volume under the surface for the ideal observer. <i>IEEE Transactions on Medical Imaging</i> , 2008 , 27, 215-27	11.7	13
98	Computer-aided diagnosis of lung cancer and pulmonary embolism in computed tomography-a review. <i>Academic Radiology</i> , 2008 , 15, 535-55	4.3	60
97	Breast Mass Classification on Full-Field Digital Mammography and Screen-Film Mammography. <i>Lecture Notes in Computer Science</i> , 2008 , 371-377	0.9	1
96	Computer-aided detection of masses in digital tomosynthesis mammography: comparison of three approaches. <i>Medical Physics</i> , 2008 , 35, 4087-95	4.4	67
95	Effect of CT scanning parameters on volumetric measurements of pulmonary nodules by 3D active contour segmentation: a phantom study. <i>Physics in Medicine and Biology</i> , 2008 , 53, 1295-312	3.8	44
94	Classifier performance prediction for computer-aided diagnosis using a limited dataset. <i>Medical Physics</i> , 2008 , 35, 1559-70	4.4	76

93	Automated regional registration and characterization of corresponding microcalcification clusters on temporal pairs of mammograms for interval change analysis. <i>Medical Physics</i> , 2008 , 35, 5340-50	4.4	8
92	Classifier performance estimation under the constraint of a finite sample size: resampling schemes applied to neural network classifiers. <i>Neural Networks</i> , 2008 , 21, 476-83	9.1	21
91	Characterization of mammographic masses based on level set segmentation with new image features and patient information. <i>Medical Physics</i> , 2008 , 35, 280-90	4.4	79
90	Detection of Masses in Digital Breast Tomosynthesis Mammography: Effects of the Number of Projection Views and Dose. <i>Lecture Notes in Computer Science</i> , 2008 , 279-285	0.9	5
89	Computerized Detection and Classification of Malignant and Benign Microcalcifications on Full Field Digital Mammograms. <i>Lecture Notes in Computer Science</i> , 2008 , 336-342	0.9	4
88	Quasi-continuous and discrete confidence rating scales for observer performance studies: Effects on ROC analysis. <i>Academic Radiology</i> , 2007 , 14, 38-48	4.3	16
87	Computer-aided detection systems for breast masses: comparison of performances on full-field digital mammograms and digitized screen-film mammograms. <i>Academic Radiology</i> , 2007 , 14, 659-69	4.3	22
86	Automatic multiscale enhancement and segmentation of pulmonary vessels in CT pulmonary angiography images for CAD applications. <i>Medical Physics</i> , 2007 , 34, 4567-77	4.4	51
85	Does computer-aided detection increase the accuracy of interpretation of mammograms?. <i>Nature Clinical Practice Oncology</i> , 2007 , 4, 630-1		
84	Evaluating computer-aided detection algorithms. <i>Medical Physics</i> , 2007 , 34, 2024-38	4.4	29
83	Application of boundary detection information in breast tomosynthesis reconstruction. <i>Medical Physics</i> , 2007 , 34, 3603-13	4.4	19
82	Classifier Performance Estimation Under the Constraint of a Finite Sample Size: Resampling Schemes Applied to Neural Network Classifiers. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		3
81	Malignant and benign breast masses on 3D US volumetric images: effect of computer-aided diagnosis on radiologist accuracy. <i>Radiology</i> , 2007 , 242, 716-24	20.5	104
80	Automated volume analysis of head and neck lesions on CT scans using 3D level set segmentation. <i>Medical Physics</i> , 2007 , 34, 4399-408	4.4	34
79	Computer-aided detection system for clustered microcalcifications: comparison of performance on full-field digital mammograms and digitized screen-film mammograms. <i>Physics in Medicine and Biology</i> , 2007 , 52, 981-1000	3.8	18
78	A dynamic multiple thresholding method for automated breast boundary detection in digitized mammograms 2007 ,		3
77	Digital tomosynthesis mammography: intra- and interplane artifact reduction for high-contrast objects on reconstructed slices using a priori 3D geometrical information 2007 ,		6
76	Pulmonary nodule registration in serial CT scans based on rib anatomy and nodule template matching. <i>Medical Physics</i> , 2007 , 34, 1336-47	4.4	21

75	Bilateral analysis based false positive reduction for computer-aided mass detection. <i>Medical Physics</i> , 2007 , 34, 3334-44	4.4	37
74	Tomosynthesis reconstruction using the simultaneous algebraic reconstruction technique (SART) on breast phantom data 2006 , 6142, 1391		9
73	Breast masses: computer-aided diagnosis with serial mammograms. <i>Radiology</i> , 2006 , 240, 343-56	20.5	35
72	Dual system approach to computer-aided detection of breast masses on mammograms. <i>Medical Physics</i> , 2006 , 33, 4157-68	4.4	24
71	Computer aided detection of clusters of microcalcifications on full field digital mammograms. <i>Medical Physics</i> , 2006 , 33, 2975-88	4.4	61
70	Computer-aided diagnosis of pulmonary nodules on CT scans: segmentation and classification using 3D active contours. <i>Medical Physics</i> , 2006 , 33, 2323-37	4.4	148
69	A comparative study of limited-angle cone-beam reconstruction methods for breast tomosynthesis. <i>Medical Physics</i> , 2006 , 33, 3781-95	4.4	186
68	Joint two-view information for computerized detection of microcalcifications on mammograms. <i>Medical Physics</i> , 2006 , 33, 2574-85	4.4	26
67	Advances in computer-aided diagnosis for breast cancer. <i>Current Opinion in Obstetrics and Gynecology</i> , 2006 , 18, 64-70	2.4	33
66	Preliminary investigation of computer-aided detection of pulmonary embolism in three-dimensional computed tomography pulmonary angiography images. <i>Academic Radiology</i> , 2005 , 12, 782-92	4.3	47
65	Computer-aided detection of breast masses on mammograms: performance improvement using a dual system 2005 , 5747, 9		1
64	False-positive reduction using Hessian features in computer-aided detection of pulmonary nodules on thoracic CT images 2005 ,		5
63	Comparison of similarity measures for the task of template matching of masses on serial mammograms. <i>Medical Physics</i> , 2005 , 32, 515-29	4.4	33
62	Computer-aided detection of lung nodules: false positive reduction using a 3D gradient field method and 3D ellipsoid fitting. <i>Medical Physics</i> , 2005 , 32, 2443-54	4.4	62
61	ROC study of the effect of stereoscopic imaging on assessment of breast lesions. <i>Medical Physics</i> , 2005 , 32, 1001-9	4.4	17
60	Computer-aided detection of breast masses on full field digital mammograms. <i>Medical Physics</i> , 2005 , 32, 2827-38	4.4	74
59	Computer-aided detection system for breast masses on digital tomosynthesis mammograms: preliminary experience. <i>Radiology</i> , 2005 , 237, 1075-80	20.5	94
58	Improvement in radiologists' characterization of malignant and benign breast masses on serial mammograms with computer-aided diagnosis: an ROC study. <i>Radiology</i> , 2004 , 233, 255-65	20.5	73

57	Sensitivity of noncommercial computer-aided detection system for mammographic breast cancer detection: pilot clinical trial. <i>Radiology</i> , 2004 , 231, 208-14	20.5	91
56	Computerized nipple identification for multiple image analysis in computer-aided diagnosis. <i>Medical Physics</i> , 2004 , 31, 2871-82	4.4	27
55	Correlation between mammographic density and volumetric fibroglandular tissue estimated on breast MR images. <i>Medical Physics</i> , 2004 , 31, 933-42	4.4	95
54	An observer study comparing spot imaging regions selected by radiologists and a computer for an automated stereo spot mammography technique. <i>Medical Physics</i> , 2004 , 31, 1558-67	4.4	1
53	Computerized characterization of breast masses on three-dimensional ultrasound volumes. <i>Medical Physics</i> , 2004 , 31, 744-54	4.4	56
52	Assessment methodologies and statistical issues for computer-aided diagnosis of lung nodules in computed tomography: contemporary research topics relevant to the lung image database consortium. <i>Academic Radiology</i> , 2004 , 11, 462-75	4.3	63
51	Sample size and validation issues on the development of CAD systems. <i>International Congress Series</i> , 2004 , 1268, 872-877		5
50	Computer-aided detection of breast masses on full-field digital mammograms: false positive reduction using gradient field analysis 2004 , 5370, 992		3
49	Effects of magnification and zooming on depth perception in digital stereomammography: an observer performance study. <i>Physics in Medicine and Biology</i> , 2003 , 48, 3721-34	3.8	7
48	Computerized detection of pulmonary embolism in 3D computed tomographic (CT) images: vessel tracking and segmentation techniques 2003 ,		14
47	Breast Density Estimation: Correlation of Mammographic Density and MR Volumetric Density 2003 , 281-284		
46	An Adaptive Similarity Measure for Automated Identification of Breast Lesions in Temporal Pairs of Mammograms for Interval Change Analysis 2003 , 304-308		
45	The use of joint two-view information for improving computerized microcalcification detection accuracy 2003 , 358-362		1
44	Breast cancer detection: evaluation of a mass-detection algorithm for computer-aided diagnosis -- experience in 263 patients. <i>Radiology</i> , 2002 , 224, 217-24	20.5	65
43	Use of joint two-view information for computerized lesion detection on mammograms: improvement of microcalcification detection accuracy 2002 , 4684, 754		1
42	Computer-aided characterization of malignant and benign microcalcification clusters based on the analysis of temporal change of mammographic features 2002 ,		1
41	Lung nodule detection on thoracic computed tomography images: preliminary evaluation of a computer-aided diagnosis system. <i>Medical Physics</i> , 2002 , 29, 2552-8	4.4	207
40	Improvement of computerized mass detection on mammograms: fusion of two-view information. <i>Medical Physics</i> , 2002 , 29, 238-47	4.4	78

39	Optimal neural network architecture selection: improvement in computerized detection of microcalcifications. <i>Academic Radiology</i> , 2002 , 9, 420-9	4.3	52
38	Computerized lung nodule detection on thoracic CT images: combined rule-based and statistical classifier for false-positive reduction 2001 ,		4
37	Recognition of lesion correspondence on two mammographic views: a new method of false-positive reduction for computerized mass detection 2001 ,		6
36	Analysis of temporal change of mammographic features for computer-aided characterization of malignant and benign masses 2001 ,		2
35	Improvement of mammographic lesion detection by fusion of information from different views 2001 ,		5
34	Computerized image analysis: estimation of breast density on mammograms. <i>Medical Physics</i> , 2001 , 28, 1056-69	4.4	123
33	Selection of an optimal neural network architecture for computer-aided detection of microcalcifications--comparison of automated optimization techniques. <i>Medical Physics</i> , 2001 , 28, 1937-48	4.4	21
32	Automated registration of breast lesions in temporal pairs of mammograms for interval change analysis--local affine transformation for improved localization. <i>Medical Physics</i> , 2001 , 28, 1070-9	4.4	25
31	Analysis of temporal changes of mammographic features: computer-aided classification of malignant and benign breast masses. <i>Medical Physics</i> , 2001 , 28, 2309-17	4.4	51
30	Improvement of mammographic mass characterization using spiculation measures and morphological features. <i>Medical Physics</i> , 2001 , 28, 1455-65	4.4	140
29	Digital mammography: observer performance study of the effects of pixel size on the characterization of malignant and benign microcalcifications. <i>Academic Radiology</i> , 2001 , 8, 454-66	4.3	21
28	Interval change analysis in temporal pairs of mammograms using a local affine transformation 2000 ,		2
27	Evaluation of an automated computer-aided diagnosis system for the detection of masses on prior mammograms 2000 , 3979, 967		7
26	Feature selection and classifier performance in computer-aided diagnosis: the effect of finite sample size. <i>Medical Physics</i> , 2000 , 27, 1509-22	4.4	96
25	Computerized image analysis: estimation of breast density on mammograms 2000 , 3979, 1615		2
24	Improvement of radiologists' characterization of mammographic masses by using computer-aided diagnosis: an ROC study. <i>Radiology</i> , 1999 , 212, 817-27	20.5	220
23	A regional registration technique for automated interval change analysis of breast lesions on mammograms. <i>Medical Physics</i> , 1999 , 26, 2669-79	4.4	30
22	Combined adaptive enhancement and region-growing segmentation of breast masses on digitized mammograms. <i>Medical Physics</i> , 1999 , 26, 1642-54	4.4	78

21	Classifier design for computer-aided diagnosis: effects of finite sample size on the mean performance of classical and neural network classifiers. <i>Medical Physics</i> , 1999 , 26, 2654-68	4.4	119
20	Components of variance in ROC analysis of CADx classifier performance: II. Applications of the bootstrap 1999 , 3661, 523		3
19	Computerized characterization of masses on mammograms: the rubber band straightening transform and texture analysis. <i>Medical Physics</i> , 1998 , 25, 516-26	4.4	156
18	Computerized characterization of breast masses using three-dimensional ultrasound images 1998 ,		10
17	Computerized analysis of mammographic microcalcifications in morphological and texture feature spaces. <i>Medical Physics</i> , 1998 , 25, 2007-19	4.4	141
16	Design of a high-sensitivity classifier based on a genetic algorithm: application to computer-aided diagnosis. <i>Physics in Medicine and Biology</i> , 1998 , 43, 2853-71	3.8	41
15	Effects of sample size on classifier design for computer-aided diagnosis 1998 ,		3
14	Regional mammogram registration technique for automated analysis of interval changes of breast lesions 1998 , 3338, 118		5
13	Components of variance in ROC analysis of CADx classifier performance 1998 , 3338, 859		6
12	False-positive reduction technique for detection of masses on digital mammograms: global and local multiresolution texture analysis. <i>Medical Physics</i> , 1997 , 24, 903-14	4.4	43
11	Characterization of masses on mammograms: significance of using the rubber band straightening transform 1997 ,		3
10	Effects of sample size on classifier design: quadratic and neural network classifiers 1997 ,		6
9	Finite-sample effects and resampling plans: applications to linear classifiers in computer-aided diagnosis 1997 , 3034, 467		16
8	Computerized classification of malignant and benign microcalcifications on mammograms: texture analysis using an artificial neural network. <i>Physics in Medicine and Biology</i> , 1997 , 42, 549-67	3.8	101
7	Classification of masses on mammograms using rubber-band straightening transform and feature analysis 1996 , 2710, 44		9
6	Automated detection of breast masses on mammograms using adaptive contrast enhancement and texture classification. <i>Medical Physics</i> , 1996 , 23, 1685-96	4.4	83
5	Image feature selection by a genetic algorithm: application to classification of mass and normal breast tissue. <i>Medical Physics</i> , 1996 , 23, 1671-84	4.4	86
4	Computer-aided detection of mammographic microcalcifications: pattern recognition with an artificial neural network. <i>Medical Physics</i> , 1995 , 22, 1555-67	4.4	140

3	Classification of mass and normal breast tissue on digital mammograms: multiresolution texture analysis. <i>Medical Physics</i> , 1995 , 22, 1501-13	4.4	79
2	Computerized detection and classification of microcalcifications on mammograms 1995 ,		7
1	Multiresolution texture analysis for classification of mass and normal breast tissue on digital mammograms 1995 ,		6