Robert M Nishikawa

List of Publications by Year
in descending order

252 papers	6,808 citations	71102 41 h-index	71685 76 g-index
258 all docs	258 docs citations	258 times ranked	3471 citing authors

#	Article	IF	Citations
1	Identifying Women With Mammographically- Occult Breast Cancer Leveraging GAN-Simulated Mammograms. IEEE Transactions on Medical Imaging, 2022, 41, 225-236.	8.9	15
2	Analyzing GAN artifacts for simulating mammograms: application towards finding mammographically-occult cancer. , 2022, , .		2
3	Cross-Organ, Cross-Modality Transfer Learning: Feasibility Study for Segmentation and Classification. IEEE Access, 2020, 8, 210194-210205.	4.2	11
4	Virtual Clinical Trials: Why and What (Special Section Guest Editorial). Journal of Medical Imaging, 2020, 7, 1.	1.5	9
5	Special Section Guest Editorial: Evaluation Methodologies for Clinical AI. Journal of Medical Imaging, 2020, 7, 1.	1.5	0
6	Linkage of the ACR National Mammography Database to the Network of State Cancer Registries: Proof of Concept Evaluation by the ACR National Mammography Database Committee. Journal of the American College of Radiology, 2019, 16, 8-14.	1.8	5
7	Limiting Level of False-Positive Detections in Classification of Microcalcification Clusters in Mammograms. , 2019, , .		0
8	Detecting mammographically occult cancer in women with dense breasts using deep convolutional neural network and Radon Cumulative Distribution Transform. Journal of Medical Imaging, 2019, 6, 1.	1.5	7
9	Gist processing in digital breast tomosynthesis. Journal of Medical Imaging, 2019, 7, 1.	1.5	6
10	Detecting mammographically-occult cancer in women with dense breasts using deep convolutional neural network and Radon cumulative distribution transform. , 2019, , .		6
11	Oculomotor behaviour of radiologists reading digital breast tomosynthesis (DBT). , 2019, , .		0
12	Locally adaptive decision in detection of clustered microcalcifications in mammograms. Physics in Medicine and Biology, 2018, 63, 045014.	3.0	1
13	Automated mammographic breast density estimation using a fully convolutional network. Medical Physics, 2018, 45, 1178-1190.	3.0	74
14	Importance of Better Human-Computer Interaction in the Era of Deep Learning: Mammography Computer-Aided Diagnosis asÂaÂUse Case. Journal of the American College of Radiology, 2018, 15, 49-52.	1.8	32
15	Evaluation of a Computer-Aided Diagnosis System in the Classification of Lesions in Breast Strain Elastography Imaging. Bioengineering, 2018, 5, 62.	3.5	6
16	Reducing the effect of false positives in classification of detected clustered microcalcifications. , 2018, , .		1
17	Relationship between computer segmentation performance and computer classification performance in breast CT: A simulation study using RGI segmentation and LDA classification. Medical Physics, 2018, 45, 3650-3656.	3.0	1
18	Neutrosophic segmentation of breast lesions for dedicated breast computed tomography. Journal of Medical Imaging, 2018, 5, 1.	1.5	4

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19	Detecting mammographically occult cancer in women with dense breasts using Radon Cumulative Distribution Transform: a preliminary analysis. , 2018, , .		4
20	Developing imaging biomarkers for mammographically-occult cancer in dense breasts using a radiologist's progress rating on cancer development: a preliminary analysis. , 2018, , .		0
21	Estimating the Accuracy Level Among Individual Detections in Clustered Microcalcifications. IEEE Transactions on Medical Imaging, 2017, 36, 1162-1171.	8.9	11
22	Global detection approach for clustered microcalcifications in mammograms using a deep learning network. Journal of Medical Imaging, 2017, 4, 024501.	1.5	25
23	Lack of agreement between radiologists: implications for image-based model observers. Journal of Medical Imaging, 2017, 4, 025502.	1.5	2
24	Quantitative comparison of clustered microcalcifications in for-presentation and for-processing mammograms in full-field digital mammography. Medical Physics, 2017, 44, 3726-3738.	3.0	8
25	Due to potential concerns of bias and conflicts of interest, regulatory bodies should not do evaluation methodology research related to their regulatory missions. Medical Physics, 2017, 44, 4403-4406.	3.0	1
26	Optimal reconstruction and quantitative image features for computerâ€aided diagnosis tools for breast <scp>CT</scp>. Medical Physics, 2017, 44, 1846-1856.	3.0	6
27	Agreement between a computer-assisted tool and radiologists to classify lesions in breast elastography images. Proceedings of SPIE, 2017, , .	0.8	0
28	Neutrosophic segmentation of breast lesions for dedicated breast CT. Proceedings of SPIE, 2017, , .	0.8	1
29	Changes in frequency of recall recommendations of examinations depicting cancer with the availability of either priors or digital breast tomosynthesis. Proceedings of SPIE, 2016, , .	0.8	0
30	Breast MRI contrast enhancement kinetics of normal parenchyma correlate with presence of breast cancer. Breast Cancer Research, 2016, 18, 76.	5.0	25
31	Can model observers be developed to reproduce radiologists' diagnostic performances? Our study says not so fast!. Proceedings of SPIE, 2016, , .	0.8	1
32	Quantitative study of image features of clustered microcalcifications in for-presentation mammograms. , 2016, , .		2
33	An image-retrieval aided diagnosis system for clustered microcalcifications. , 2016, , .		4
34	Proposal of Semi-automatic Classification of Breast Lesions for Strain Sonoelastography Using a Dedicated CAD System. Lecture Notes in Computer Science, 2016, , 454-460.	1.3	1
35	Agreement Between Radiologistsâ€™ Interpretations of Screening Mammograms. Lecture Notes in Computer Science, 2016, , 3-10.	1.3	3
36	Improving the accuracy in detection of clustered microcalcifications with a context-sensitive classification model. Medical Physics, 2015, 43, 159-170.	3.0	22

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37	Local curvature analysis for classifying breast tumors: Preliminary analysis in dedicated breast CT. Medical Physics, 2015, 42, 5479-5489.	3.0	16
38	New Screening Technologies and Practices: A Different Approach to Estimation of Performance Improvement by Using Data from the Transition Period. Radiology, 2015, 275, 9-12.	7.3	8
39	Using breast radiographers' reports as a second opinion for radiologists' readings of microcalcifications in digital mammography. British Journal of Radiology, 2015, 88, 20140565.	2.2	2
40	A computational model to generate simulated threeâ€dimensional breast masses. Medical Physics, 2015, 42, 1098-1118.	3.0	52
41	WEâ€Câ€207â€05: Relationship Between CT Image Quality, Segmentation Performance, and Quantitative Image Feature Analysis. Medical Physics, 2015, 42, 3697-3697.	3.0	3
42	Abstract P1-01-07: Quantitative assessment of early- and delayed DCE-MRI background parenchymal enhancement in breast cancer risk prediction. , 2015, , .		0
43	Exploring perceptually similar cases with multi-dimensional scaling. Proceedings of SPIE, 2014, , .	0.8	0
44	Enhancing tissue structures with iterative image reconstruction for digital breast tomosynthesis. Proceedings of SPIE, 2014, , .	0.8	1
45	Analysis of perceived similarity between pairs of microcalcification clusters in mammograms. Medical Physics, 2014, 41, 051904.	3.0	11
46	CADe for Early Detection of Breast Cancerâ€"Current Status and Why We Need to Continue to Explore New Approaches. Academic Radiology, 2014, 21, 1320-1321.	2.5	34
47	Estimating Sensitivity and Specificity for Technology Assessment Based on Observer Studies. Academic Radiology, 2013, 20, 825-830.	2.5	2
48	The potential of iodine for improving breast cancer diagnosis and treatment. Medical Hypotheses, 2013, 80, 94-98.	1.5	4
49	Conventional mammographic image generation in dual-energy digital mammography. , 2013, , .		0
50	Stereoscopic Digital Mammography: Improved Specificity and Reduced Rate of Recall in a Prospective Clinical Trial. Radiology, 2013, 266, 81-88.	7.3	36
51	Algorithmic scatter correction in dualâ€energy digital mammography. Medical Physics, 2013, 40, 111919.	3.0	7
52	Validation of a power-law noise model for simulating small-scale breast tissue. Physics in Medicine and Biology, 2013, 58, 6011-6027.	3.0	17
53	Reduction of false positive detection in clustered microcalcifications. , 2013, , .		11
54	Fast, robust dynamic field-of-view adjustment for iterative reconstruction of dedicated breast CT. , 2013, , .		0

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55	Regularization in Retrieval-Driven Classification of Clustered Microcalcifications for Breast Cancer. International Journal of Biomedical Imaging, 2012, 2012, 1-8.	3.9	2
56	Signal-known exactly detection performance in tomosynthesis: does volume visualization help human observers?. Proceedings of SPIE, 2012, , .	0.8	1
57	Re: Effectiveness of Computer-Aided Detection in Community Mammography Practice. Journal of the National Cancer Institute, 2012, 104, 77-77.	6.3	3
58	Clinically Missed Cancer: How Effectively Can Radiologists Use Computer-Aided Detection?. American Journal of Roentgenology, 2012, 198, 708-716.	2.2	41
59	Overview. Spermatogenesis, 2012, 2, 127-128.	0.8	1
60	Assessing the Stand-Alone Sensitivity of Computer-Aided Detection With Cancer Cases From the Digital Mammographic Imaging Screening Trial. American Journal of Roentgenology, 2012, 199, W392-W401.	2.2	24
61	A statistically defined anthropomorphic software breast phantom. Medical Physics, 2012, 39, 3375-3385.	3.0	39
62	Retrieval boosted computer-aided diagnosis of clustered microcalcifications for breast cancer. Medical Physics, 2012, 39, 676-685.	3.0	12
63	Re: Effectiveness of Computer-Aided Detection in Community Mammography Practice. Journal of the National Cancer Institute, 2012, 104, 77-78.	6.3	3
64	Algorithmic scatter correction in dual-energy digital mammography for calcification imaging. , 2012, , .		1
65	A comparison study of image features between FFDM and film mammogram images. Medical Physics, 2012, 39, 4386-4394.	3.0	7
66	Computerâ€aided detection should be used routinely to assist screening mammogram interpretation. Medical Physics, 2012, 39, 5305-5307.	3.0	2
67	Automated detection of mass lesions in dedicated breast CT: A preliminary study. Medical Physics, 2012, 39, 866-873.	3.0	17
68	Charles E. Metz, PhD. Academic Radiology, 2012, 19, 1537-1538.	2.5	2
69	A Directional Small-Scale Tissue Model for an Anthropomorphic Breast Phantom. Lecture Notes in Computer Science, 2012, , 141-148.	1.3	3
70	Methods for Evaluating the Effectiveness of Screening Mammography Are Not Necessarily Valid for Evaluating the Effectiveness of Computer-Aided Detection in Screening Mammography. Lecture Notes in Computer Science, 2012, , 705-712.	1.3	0
71	Estimating Sensitivity and Specificity in an ROC Experiment. Lecture Notes in Computer Science, 2012, , 690-696.	1.3	0
72	TH-E-217BCD-01: Contrast-To-Noise Ratio Is Not an Appropriate Measure of CT Image Quality When Comparing Different Iterative Reconstruction Algorithms. Medical Physics, 2012, 39, 4014-4014.	3.0	0

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73	Textural feature comparison between FFDM and film mammograms. , 2011, , .		1
74	A comparison study of textural features between FFDM and film mammogram images. Proceedings of SPIE, 2011, , .	0.8	0
75	On the orientation of mammographic structure. Medical Physics, 2011, 38, 5303-5306.	3.0	25
76	Fundamental limitations in developing computer-aided detection for mammography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 648, S251-S254.	1.6	0
77	Image noise sensitivity of dual-energy digital mammography for calcification imaging. , 2011, , .		1
78	Issues in characterizing anatomic structure in digital breast tomosynthesis. Proceedings of SPIE, 2011, , .	0.8	2
79	Detection of clustered microcalcifications using spatial point process modeling. Physics in Medicine and Biology, 2011, 56, 1-17.	3.0	157
80	MO-A-214-01: 3D Breast Models. Medical Physics, 2011, 38, 3706-3706.	3.0	0
81	Evaluation of a 3D lesion segmentation algorithm on DBT and breast CT images. Proceedings of SPIE, 2010, , .	0.8	11
82	Scanning translucent glass-ceramic x-ray storage phosphors. Proceedings of SPIE, 2010, 7622, 76223W.	0.8	3
83	Rating scales for observer performance studies. , 2010, , .		0
84	Toward validation of a 3D structured background model for breast imaging. Proceedings of SPIE, 2010, , .	0.8	1
85	Contrast Enhancement of Hepatic Hemangiomas on Multiphase MDCT: Can We Diagnose Hepatic Hemangiomas by Comparing Enhancement With Blood Pool?. American Journal of Roentgenology, 2010, 195, 381-386.	2.2	21
86	Medical Physics, 2010, 37, 1591-1600.	3.0	133
87	Computer-aided Detection and Diagnosis. Medical Radiology, 2010, , 85-106.	0.1	9
88	An Anthropomorphic Software Breast Phantom for Tomosynthesis Simulation: Power Spectrum Analysis of Phantom Projections. Lecture Notes in Computer Science, 2010, , 452-458.	1.3	7
89	TH-D-201B-08: An Anthropomorphic Software Breast Phantom for Tomosynthesis Simulation: Power Spectrum Analysis of Phantom Reconstructions. Medical Physics, 2010, 37, 3473-3473.	3.0	5
90	Stratified Sampling for Case Selection Criteria for Evaluating CAD. Lecture Notes in Computer Science, 2010, , 534-539.	1.3	0

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91	Human Observer Performance in a Single Slice or a Volume: Effect of Background Correlation. Lecture Notes in Computer Science, 2010, , 327-333.	1.3	0
92	Computer-aided Detection Evaluation Methods Are Not Created Equal. Radiology, 2009, 251, 634-636.	7.3	17
93	Effect of non-isotropic detector blur on microcalcification detectability in tomosynthesis. , 2009, , .		3
94	Comparison of Soft-copy and Hard-copy Reading for Full-Field Digital Mammography. Radiology, 2009, 251, 41-49.	7.3	22
95	Learning of Perceptual Similarity From Expert Readers for Mammogram Retrieval. IEEE Journal on Selected Topics in Signal Processing, 2009, 3, 53-61.	10.8	23
96	Microcalcification classification assisted by content-based image retrieval for breast cancer diagnosis. Pattern Recognition, 2009, 42, 1126-1132.	8.1	87
97	Enhanced imaging of microcalcifications in digital breast tomosynthesis through improved imageâ€reconstruction algorithms. Medical Physics, 2009, 36, 4920-4932.	3.0	157
98	“Imaging in the age of medical bioinformatics”. , 2009, , .		0
99	Comparison of power spectra for tomosynthesis projections and reconstructed images. Medical Physics, 2009, 36, 1753-1758.	3.0	59
100	Influence of signal-to-noise ratio and temporal stability on computer-aided detection of mammographic microcalcifications in digitized screen-film and full-field digital mammography. Proceedings of SPIE, 2008, , .	0.8	1
101	Microcalcification detectability in tomosynthesis. , 2008, , .		0
102	Contrast-enhanced dual-energy subtraction imaging using electronic spectrum-splitting and multi-prism x-ray lenses. Proceedings of SPIE, 2008, , .	0.8	2
103	Practical iterative image reconstruction in digital breast tomosynthesis by non-convex TpV optimization. Proceedings of SPIE, 2008, , .	0.8	14
104	Preliminary study on the impact of digital breast tomosynthesis scanning angle on micro-calcification imaging. , 2008, , .		0
105	Automated detection of microcalcification clusters for digital breast tomosynthesis using projection data only: A preliminary study. Medical Physics, 2008, 35, 1486-1493.	3.0	46
106	Effect of Scan Angle and Reconstruction Algorithm on Model Observer Performance in Tomosynthesis. Lecture Notes in Computer Science, 2008, , 606-611.	1.3	3
107	THâ€Câ€32â€09: The Effect of Variable Exposure Distribution On Microcalcification Detectability in Tomosynthesis. Medical Physics, 2008, 35, 2978-2978.	3.0	0
108	Image reconstruction in digital breast tomosynthesis by total variation minimization. , 2007, , .		11

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109	A new approach to digital breast tomosynthesis for breast cancer screening. , 2007, , .		18
110	Computer-Aided Screening Mammography. New England Journal of Medicine, 2007, 357, 83-85.	27.0	15
111	RETRIEVAL-DRIVEN MICROCALCIFICATION CLASSIFICATION FOR BREAST CANCER DIAGNOSIS. , 2007, , .		1
112	Development of a model for breast tomosynthesis image acquisition. , 2007, , .		2
113	Observer evaluation of a method for producing simulated mammograms. , 2007, , .		0
114	Microcalcification Classification Assisted by Content-Based Image Retrieval for Breast Cancer Diagnosis. , 2007, , .		9
115	Independent Evaluation of Computer Classification of Malignant and Benign Calcifications in Full-Field Digital Mammograms. Academic Radiology, 2007, 14, 363-370.	2.5	18
116	Current status and future directions of computer-aided diagnosis in mammography. Computerized Medical Imaging and Graphics, 2007, 31, 224-235.	5.8	160
117	Comparison of Independent Double Readings and Computer-Aided Diagnosis (CAD) for the Diagnosis of Breast Calcifications. Academic Radiology, 2006, 13, 534-535.	2.5	1
118	Comparison of Independent Double Readings and Computer-Aided Diagnosis (CAD) for the Diagnosis of Breast Calcifications. Academic Radiology, 2006, 13, 84-94.	2.5	28
119	Fluorozirconate-based nanophase glass ceramics for high-resolution medical X-ray imaging. Journal of Non-Crystalline Solids, 2006, 352, 610-614.	3.1	25
120	Can radiologists recognize that a computer has identified cancers that they have overlooked?. , 2006, 6146, 614601.		8
121	Special Session on Breast CAD. International Journal of Computer Assisted Radiology and Surgery, 2006, 1, 325-343.	2.8	2
122	Identification of simulated microcalcifications in white noise and mammographic backgrounds. Medical Physics, 2006, 33, 2905-2911.	3.0	25
123	Computer-aided detection, in its present form, is not an effective aid for screening mammography. Medical Physics, 2006, 33, 811-814.	3.0	38
124	Computerized mass detection for digital breast tomosynthesis directly from the projection images. Medical Physics, 2006, 33, 482-491.	3.0	85
125	Mammogram Retrieval by Similarity Learning from Experts. , 2006, , .		2
126	Development of an Analytic Breast Phantom for Quantitative Comparison of Reconstruction Algorithms for Digital Breast Tomosynthesis. Lecture Notes in Computer Science, 2006, , 190-196.	1.3	9

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127	Modeling the Effect of Computer-Aided Detection on the Sensitivity of Screening Mammography. Lecture Notes in Computer Science, 2006, , 46-53.	1.3	5
128	Comparison of Computerized Image Analyses for Digitized Screen-Film Mammograms and Full-Field Digital Mammography Images. Lecture Notes in Computer Science, 2006, , 569-575.	1.3	3
129	WE-C-330D-02: Image Science and CAD: In Pursuit of a Fundamental Theoretical Basis for CAD Development. Medical Physics, 2006, 33, 2231-2231.	3.0	0
130	A study of several CAD methods for classification of clustered microcalcifications. , 2005, 5747, 1.		1
131	Human performance for detection and discrimination of simulated microcalcifications in mammographic backgrounds. , 2005, 5749, 223.		1
132	A relevance vector machine technique for the automatic detection of clustered microcalcifications (Honorable Mention Poster Award). , 2005, , .		4
133	Relevance vector machine learning for detection of microcalcifications in mammograms. , 2005, , .		0
134	A study on several Machine-learning methods for classification of Malignant and benign clustered microcalcifications. IEEE Transactions on Medical Imaging, 2005, 24, 371-380.	8.9	253
135	The hypervolume under the ROC hypersurface of "Near-Guessing" and "Near-Perfect" observers in N-class classification tasks. IEEE Transactions on Medical Imaging, 2005, 24, 293-299.	8.9	36
136	A multi-scale 3D radial gradient filter for computerized mass detection in digital tomosynthesis breast images. International Congress Series, 2005, 1281, 1058-1062.	0.2	3
137	Relevance vector machine for automatic detection of clustered microcalcifications. IEEE Transactions on Medical Imaging, 2005, 24, 1278-1285.	8.9	127
138	SU-EE-A2-02: Efficient Automatic Pre-Selection of Mass Lesion Candidates in DBT Breast Volumes. Medical Physics, 2005, 32, 1897-1897.	3.0	0
139	Investigation of physical image quality indices of a bone densitometry system. Medical Physics, 2004, 31, 873-881.	3.0	8
140	Radial gradient-based segmentation of mammographic microcalcifications: Observer evaluation and effect on CAD performance. Medical Physics, 2004, 31, 2648-2657.	3.0	38
141	High-efficiency white OLEDs based on small molecules. , 2004, 5214, 233.		16
142	Computerized Detection of Mass Lesions in Digital Breast Tomosynthesis Images Using Two- and Three Dimensional Radial Gradient Index Segmentation. Technology in Cancer Research and Treatment, 2004, 3, 437-441.	1.9	35
143	Developments in OLEDs with a co-dopant system for improved efficiency and stability. , 2004, 5214, 31.		3
144	A Similarity Learning Approach to Content-Based Image Retrieval: Application to Digital Mammography. IEEE Transactions on Medical Imaging, 2004, 23, 1233-1244.	8.9	243

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145	Computer simulation of mammographic imaging for applications in CAD. International Congress Series, 2004, 1268, 890-895.	0.2	0
146	Computerized detection of mammographic masses in digital breast tomosynthesis images using radial gradient index filtering. International Congress Series, 2004, 1268, 1352.	0.2	2
147	Hypervolume under the ROC hypersurface of a near-guessing ideal observer in a three-class classification task. , 2004, , .		3
148	Use of BI-RADS lesion descriptors in computer-aided diagnosis of malignant and benign breast lesions. , 2004, , .		0
149	A reconstruction-independent method for computerized mass detection in digital tomosynthesis images of the breast. , 2004, , .		4
150	Human efficiency in the detection and discrimination tasks. , 2004, , .		1
151	Computerized detection and 3-way classification of breast lesions on ultrasound images. , 2004, , .		5
152	Observers' ability to judge the similarity of clustered calcifications on mammograms. , 2004, , .		17
153	Standardization of NPS measurement: interim report of AAPM TG16. , 2003, , .		15
154	The use ofa prioriinformation in the detection of mammographic microcalcifications to improve their classification. Medical Physics, 2003, 30, 823-831.	3.0	20
155	Estimating three-class ideal observer decision variables for computerized detection and classification of mammographic mass lesions. Medical Physics, 2003, 31, 81-90.	3.0	27
156	Differences between mono- and poly-energetic spectra in modeling DQE(f). , 2003, , .		3
157	Bayesian ANN estimates of three-class ideal observer decision variables for classification of mammographic masses. , 2003, 5034, 474.		2
158	Automated selection of BI-RADS lesion descriptors for reporting calcifications in mammograms. , 2003, , .		0
159	Effect of radiologists' variability on the performance of computer classification of malignant and benign clustered microcalcifications in mammograms. , 2003, 5034, 42.		0
160	Results of an Observer Study with an Intelligent Mammographic Workstation for CAD. , 2003, , 297-303.		9
161	Full Field Digital Mammography with a CCD Based Slot-Scanned Detector. Physical Characteristics Measurement. , 2003, , 51-53.		0
162	Improved computerized detection of individual microcalcifications to integrate cluster detection and classification schemes. , 2003, , 411-413.		0

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163	The Effect of Scatter Radiation and its Removal on the DQE of Digital Mammography Systems. , 2003, , 59-63.		1
164	Maximum likelihood fitting of FROC curves under an initial-detection-and-candidate-analysis model. Medical Physics, 2002, 29, 2861-2870.	3.0	69
165	Detection of Microcalcifications. , 2002, , .		15
166	<title>Estimation of three-class ideal observer decision functions with a Bayesian artificial neural network</title>. , 2002, , .		9
167	<title>Independent versus sequential reading in ROC studies of computer-assist modalities</title>. , 2002, , .		2
168	Improving the automated classification of clustered calcifications on mammograms through the improved detection of individual calcifications. , 2002, , .		1
169	A support vector machine approach for detection of microcalcifications. IEEE Transactions on Medical Imaging, 2002, 21, 1552-1563.	8.9	475
170	Intelligent CAD workstation for breast imaging using similarity to known lesions and multiple visual prompt aids. , 2002, 4684, 768.		36
171	Independent versus Sequential Reading in ROC Studies of Computer-Assist Modalities. Academic Radiology, 2002, 9, 1036-1043.	2.5	37
172	Dependence of computer classification of clustered microcalcifications on the correct detection of microcalcifications. Medical Physics, 2001, 28, 1949-1957.	3.0	14
173	<title>Can computer-aided diagnosis (CAD) help radiologists find mammographically missed screening cancers?</title>. , 2001, 4324, 56.		3
174	<title>Analysis of components of variance in multiple-reader studies of computer-aided diagnosis with different tasks</title>. , 2001, , .		2
175	<title>Eliminating false-positive microcalcification clusters in a mammography CAD scheme using a Bayesian neural network</title>. , 2001, , .		5
176	Potential of Computer-aided Diagnosis to Reduce Variability in Radiologistsâ€™ Interpretations of Mammograms Depicting Microcalcifications. Radiology, 2001, 220, 787-794.	7.3	133
177	<title>Estimation of linear observer templates in the presence of multi-peaked gaussian noise through 2AFC experiments</title>. , 2000, , .		2
178	<title>Relative gains in diagnostic accuracy between computer-aided diagnosis and independent double reading</title>. , 2000, 3981, 10.		5
179	Radiologistsâ€™ Preferences for Digital Mammographic Display. Radiology, 2000, 216, 820-830.	7.3	78
180	COMPUTER-AIDED DETECTION AND DIAGNOSIS OF BREAST CANCER. Radiologic Clinics of North America, 2000, 38, 725-740.	1.8	80

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181	Computer-aided diagnosis in radiology: potential and pitfalls. European Journal of Radiology, 1999, 31, 97-109.	2.6	195
182	Improving breast cancer diagnosis with computer-aided diagnosis. Academic Radiology, 1999, 6, 22-33.	2.5	306
183	<title>Front-end data reduction in computer-aided diagnosis of mammograms: a pilot study</title>. , 1999, , .		6
184	<title>Radiologists' ability to use computer-aided diagnosis (CAD) to improve breast biopsy recommendations</title>. , 1999, , .		0
185	Optimally weighted wavelet transform based on supervised training for detection of microcalcifications in digital mammograms. Medical Physics, 1998, 25, 949-956.	3.0	57
186	Optimization and FROC analysis of rule-based detection schemes using a multiobjective approach. IEEE Transactions on Medical Imaging, 1998, 17, 1089-1093.	8.9	29
187	A genetic algorithm-based method for optimizing the performance of a computer-aided diagnosis scheme for detection of clustered microcalcifications in mammograms. Medical Physics, 1998, 25, 1613-1620.	3.0	43
188	Analysis of methods for reducing false positives in the automated detection of clustered microcalcifications in mammograms. Medical Physics, 1998, 25, 1502-1506.	3.0	48
189	<title>Requirement of microcalcification detection for computerized classification of malignant and benign clustered microcalcifications</title>. , 1998, 3338, 313.		8
190	<title>Variations in measured performance of CAD schemes due to database composition and scoring protocol</title>. , 1998, 3338, 840.		32
191	Mammographic Databases. Breast Disease, 1998, 10, 137-150.	0.8	12
192	Prospective Testing of a Clinical Mammography Workstation for CAD: Analysis of the First 10,000 Cases. Computational Imaging and Vision, 1998, , 401-406.	0.6	4
193	Benefits of Computer-Aided Diagnosis (CAD) in Mammographic Diagnosis of Malignant and Benign Clustered Microcalcifications. Computational Imaging and Vision, 1998, , 215-220.	0.6	1
194	Comment on â€œQuantitative classification of breast tumors in digitized mammogramsâ€•[Med. Phys. 23 , 1337-1345 (1996)]. Medical Physics, 1997, 24, 313-313.	3.0	0
195	Comparison of eye position versus computer identified microcalcification clusters on mammograms. Medical Physics, 1997, 24, 17-23.	3.0	19
196	<title>Radiologists' ability to discriminate computer-detected true and false positives from an automated scheme for the detection of clustered microcalcifications on digital mammograms</title>. , 1997, , .		7
197	Transferring technology from the intelligence community to the medical community. Journal of Digital Imaging, 1997, 10, 143-143.	2.9	0
198	Computer aided diagnosis of breast cancer on mammograms. Breast Cancer, 1997, 4, 228-233.	2.9	26

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199	An improved computer-assisted diagnostic scheme using wavelet transform for detecting clustered microcalcifications in digital mammograms. Academic Radiology, 1996, 3, 621-627.	2.5	83
200	Malignant and benign clustered microcalcifications: automated feature analysis and classification.. Radiology, 1996, 198, 671-678.	7.3	217
201	<title>Signal/background separation by wavelet packets for detection of microcalcifications in mammograms</title>. , 1996, , .		10
202	<title>Exploiting context in mammograms: a hierarchical neural network for detecting microcalcifications</title>. , 1996, , .		3
203	<title>Reproducibility of an automated scheme for the detection of clustered microcalcifications on digital mammograms</title>. , 1996, , .		4
204	Dr Jiang and colleagues respond. Radiology, 1996, 201, 581-582.	7.3	2
205	An improved shift-invariant artificial neural network for computerized detection of clustered microcalcifications in digital mammograms. Medical Physics, 1996, 23, 595-601.	3.0	98
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