

Maryellen Lissak Giger

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.

314
papers

12,304
citations

64
h-index

101
g-index

361
ext. papers

14,659
ext. citations

6.3
avg, IF

6.64
L-index

#	Paper	IF	Citations
314	Advancing Research on Medical Image Perception by Strengthening Multidisciplinary Collaboration. <i>JNCI Cancer Spectrum</i> , 2022 , 6,	4.6	1
313	Clinical Artificial Intelligence Applications: Breast Imaging. <i>Radiologic Clinics of North America</i> , 2021 , 59, 1027-1043	2.3	2
312	A review of explainable and interpretable AI with applications in COVID-19 imaging. <i>Medical Physics</i> , 2021 , 49, 1	4.4	10
311	Report from the RSNA COVID-19 Task Force: COVID-19 Impact on Academic Radiology Research-A Survey of Vice Chairs of Research.. <i>Journal of the American College of Radiology</i> , 2021 ,	3.5	1
310	Artificial Intelligence in Medical Imaging 2021 , 1-22		0
309	Cascaded deep transfer learning on thoracic CT in COVID-19 patients treated with steroids. <i>Journal of Medical Imaging</i> , 2021 , 8, 014501	2.6	1
308	Enhanced detection of oral dysplasia by structured illumination fluorescence lifetime imaging microscopy. <i>Scientific Reports</i> , 2021 , 11, 4984	4.9	0
307	Improved Classification of Benign and Malignant Breast Lesions Using Deep Feature Maximum Intensity Projection MRI in Breast Cancer Diagnosis Using Dynamic Contrast-enhanced MRI. <i>Radiology: Artificial Intelligence</i> , 2021 , 3, e200159	8.7	5
306	Artificial intelligence and interpretations in breast cancer imaging 2021 , 291-308		1
305	Special Report of the RSNA COVID-19 Task Force: The Short- and Long-term Financial Impact of the COVID-19 Pandemic on Private Radiology Practices. <i>Radiology</i> , 2021 , 298, E11-E18	20.5	15
304	AI/Machine Learning in Medical Imaging 2021 , 1691-1702		0
303	Automated mesenchymal stem cell segmentation and machine learning-based phenotype classification using morphometric and textural analysis. <i>Journal of Medical Imaging</i> , 2021 , 8, 014503	2.6	1
302	Anatomic Point-Based Lung Region with Zone Identification for Radiologist Annotation and Machine Learning for Chest Radiographs. <i>Journal of Digital Imaging</i> , 2021 , 34, 922-931	5.3	
301	Role of standard and soft tissue chest radiography images in deep-learning-based early diagnosis of COVID-19. <i>Journal of Medical Imaging</i> , 2021 , 8, 014503	2.6	1
300	Robustness of radiomic features of benign breast lesions and hormone receptor positive/HER2-negative cancers across DCE-MR magnet strengths. <i>Magnetic Resonance Imaging</i> , 2021 , 82, 111-121	3.3	1
299	Lessons learned in transitioning to AI in the medical imaging of COVID-19. <i>Journal of Medical Imaging</i> , 2021 , 8, 010902-10902	2.6	2
298	Artificial Intelligence and Cellular Segmentation in Tissue Microscopy Images. <i>American Journal of Pathology</i> , 2021 , 191, 1693-1701	5.8	1

297	Quantifying the effects of biopsy fixation and staining panel design on automatic instance segmentation of immune cells in human lupus nephritis. <i>Journal of Biomedical Optics</i> , 2021 , 26,	3.5	2
296	Machine Learning for Early Detection of Hypoxic-Ischemic Brain Injury After Cardiac Arrest. <i>Neurocritical Care</i> , 2021 , 1	3.3	2
295	A deep learning methodology for improved breast cancer diagnosis using multiparametric MRI. <i>Scientific Reports</i> , 2020 , 10, 10536	4.9	34
294	Artificial Intelligence: reshaping the practice of radiological sciences in the 21st century. <i>British Journal of Radiology</i> , 2020 , 93, 20190855	3.4	34
293	Harmonization of radiomic features of breast lesions across international DCE-MRI datasets. <i>Journal of Medical Imaging</i> , 2020 , 7, 012707	2.6	11
292	Deep convolutional neural networks in the classification of dual-energy thoracic radiographic views for efficient workflow: analysis on over 6500 clinical radiographs. <i>Journal of Medical Imaging</i> , 2020 , 7, 016501	2.6	1
291	Radiomics methodology for breast cancer diagnosis using multiparametric magnetic resonance imaging. <i>Journal of Medical Imaging</i> , 2020 , 7, 044502	2.6	10
290	CT Texture Characterization 2020 , 319-329		
289	Comparison of Breast MRI Tumor Classification Using Human-Engineered Radiomics, Transfer Learning From Deep Convolutional Neural Networks, and Fusion Methods. <i>Proceedings of the IEEE</i> , 2020 , 108, 163-177	14.3	19
288	Tailoring steroids in the treatment of COVID-19 pneumonia assisted by CT scans: three case reports. <i>Journal of X-Ray Science and Technology</i> , 2020 , 28, 885-892	2.1	5
287	Artificial intelligence in the interpretation of breast cancer on MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 51, 1310-1324	5.6	54
286	Independent validation of machine learning in diagnosing breast Cancer on magnetic resonance imaging within a single institution. <i>Cancer Imaging</i> , 2019 , 19, 64	5.6	18
285	Prognostic value of pre-treatment CT texture analysis in combination with change in size of the primary tumor in response to induction chemotherapy for HPV-positive oropharyngeal squamous cell carcinoma. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 399-408	3.6	7
284	Artificial intelligence in cancer imaging: Clinical challenges and applications. <i>Ca-A Cancer Journal for Clinicians</i> , 2019 , 69, 127-157	220.7	319
283	Radiomics robustness assessment and classification evaluation: A two-stage method demonstrated on multivendor FFDM. <i>Medical Physics</i> , 2019 , 46, 2145-2156	4.4	11
282	Transfer Learning From Convolutional Neural Networks for Computer-Aided Diagnosis: A Comparison of Digital Breast Tomosynthesis and Full-Field Digital Mammography. <i>Academic Radiology</i> , 2019 , 26, 735-743	4.3	40
281	Additive Benefit of Radiomics Over Size Alone in the Distinction Between Benign Lesions and Luminal A Cancers on a Large Clinical Breast MRI Dataset. <i>Academic Radiology</i> , 2019 , 26, 202-209	4.3	24
280	Relationships Between Human-Extracted MRI Tumor Phenotypes of Breast Cancer and Clinical Prognostic Indicators Including Receptor Status and Molecular Subtype. <i>Current Problems in Diagnostic Radiology</i> , 2019 , 48, 467-472	1.6	7

279	Radiogenomics of breast cancer using dynamic contrast enhanced MRI and gene expression profiling. <i>Cancer Imaging</i> , 2019 , 19, 48	5.6	32
278	Breast lesion classification based on dynamic contrast-enhanced magnetic resonance images sequences with long short-term memory networks. <i>Journal of Medical Imaging</i> , 2019 , 6, 011002	2.6	7
277	Effect of biopsy on the MRI radiomics classification of benign lesions and luminal A cancers. <i>Journal of Medical Imaging</i> , 2019 , 6, 1	2.6	2
276	Breast MRI radiomics for the pretreatment prediction of response to neoadjuvant chemotherapy in node-positive breast cancer patients. <i>Journal of Medical Imaging</i> , 2019 , 6, 034502	2.6	9
275	Evaluating deep learning techniques for dynamic contrast-enhanced MRI in the diagnosis of breast cancer 2019 ,		3
274	Impact of imprinted labels on deep learning classification of AP and PA thoracic radiographs 2019 ,		2
273	Breast MRI radiomics for the pre-treatment prediction of response to neoadjuvant chemotherapy in node-positive breast cancer patients 2019 ,		2
272	Radiomics and deep learning of diffusion-weighted MRI in the diagnosis of breast cancer 2019 ,		2
271	Quantifying in situ adaptive immune cell cognate interactions in humans. <i>Nature Immunology</i> , 2019 , 20, 503-513	19.1	15
270	Digital Mammography in Breast Cancer: Additive Value of Radiomics of Breast Parenchyma. <i>Radiology</i> , 2019 , 291, 15-20	20.5	38
269	Deep learning in medical imaging and radiation therapy. <i>Medical Physics</i> , 2019 , 46, e1-e36	4.4	294
268	Combined Benefit of Quantitative Three-Compartment Breast Image Analysis and Mammography Radiomics in the Classification of Breast Masses in a Clinical Data Set. <i>Radiology</i> , 2019 , 290, 621-628	20.5	17
267	Most-enhancing tumor volume by MRI radiomics predicts recurrence-free survival "early on" in neoadjuvant treatment of breast cancer. <i>Cancer Imaging</i> , 2018 , 18, 12	5.6	35
266	Machine Learning in Medical Imaging. <i>Journal of the American College of Radiology</i> , 2018 , 15, 512-520	3.5	231
265	Fuzzy c-means segmentation of major vessels in angiographic images of stroke. <i>Journal of Medical Imaging</i> , 2018 , 5, 014501	2.6	3
264	Use of clinical MRI maximum intensity projections for improved breast lesion classification with deep convolutional neural networks. <i>Journal of Medical Imaging</i> , 2018 , 5, 014503	2.6	33
263	PROSTATEx Challenges for computerized classification of prostate lesions from multiparametric magnetic resonance images. <i>Journal of Medical Imaging</i> , 2018 , 5, 044501	2.6	48
262	Variation in algorithm implementation across radiomics software. <i>Journal of Medical Imaging</i> , 2018 , 5, 044505	2.6	40

261	Recurrent neural networks for breast lesion classification based on DCE-MRIs 2018 ,		1
260	Robustness of radiomic breast features of benign lesions and luminal A cancers across MR magnet strengths 2018 ,		4
259	Deep learning in breast cancer risk assessment: evaluation of fine-tuned convolutional neural networks on a clinical dataset of FFDMs 2018 ,		1
258	Transfer learning with convolutional neural networks for lesion classification on clinical breast tomosynthesis 2018 ,		4
257	Deep learning in computer-aided diagnosis incorporating mammographic characteristics of both tumor and parenchyma stroma 2018 ,		1
256	Quantitative texture analysis: robustness of radiomics across two digital mammography manufacturers' systems. <i>Journal of Medical Imaging</i> , 2018 , 5, 011002	2.6	8
255	CAD: An Image Perception Perspective 2018 , 359-373		
254	Opportunities and challenges to utilization of quantitative imaging: Report of the AAPM practical big data workshop. <i>Medical Physics</i> , 2018 , 45, e820-e828	4.4	5
253	Performance comparison of deep learning and segmentation-based radiomic methods in the task of distinguishing benign and malignant breast lesions on DCE-MRI 2017 ,		5
252	Deep learning and three-compartment breast imaging in breast cancer diagnosis 2017 ,		1
251	Fast bilateral breast coverage with high spectral and spatial resolution (HiSS) MRI at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 1341-1348	5.6	6
250	Letter to the Editor: Use of Publicly Available Image Resources. <i>Academic Radiology</i> , 2017 , 24, 916-917	4.3	
249	Breast MRI radiomics: comparison of computer- and human-extracted imaging phenotypes. <i>European Radiology Experimental</i> , 2017 , 1, 22	4.5	22
248	Deep learning in breast cancer risk assessment: evaluation of convolutional neural networks on a clinical dataset of full-field digital mammograms. <i>Journal of Medical Imaging</i> , 2017 , 4, 041304	2.6	36
247	A deep feature fusion methodology for breast cancer diagnosis demonstrated on three imaging modality datasets. <i>Medical Physics</i> , 2017 , 44, 5162-5171	4.4	183
246	Special Section Guest Editorial: Radiomics and Deep Learning. <i>Journal of Medical Imaging</i> , 2017 , 4, 041301	1.6	9
245	Digital mammographic tumor classification using transfer learning from deep convolutional neural networks. <i>Journal of Medical Imaging</i> , 2016 , 3, 034501	2.6	278
244	Quantitative MRI radiomics in the prediction of molecular classifications of breast cancer subtypes in the TCGA/TCIA data set. <i>Npj Breast Cancer</i> , 2016 , 2,	7.8	200

243	Calibration Procedure of Three Component Mammographic Breast Imaging. <i>Lecture Notes in Computer Science</i> , 2016 , 211-218	0.9	1
242	Energy Dependence of Water and Lipid Calibration Materials for Three-Compartment Breast Imaging. <i>Lecture Notes in Computer Science</i> , 2016 , 554-563	0.9	0
241	Bcl-2 as a Therapeutic Target in Human Tubulointerstitial Inflammation. <i>Arthritis and Rheumatology</i> , 2016 , 68, 2740-2751	9.5	12
240	Using computer-extracted image phenotypes from tumors on breast magnetic resonance imaging to predict breast cancer pathologic stage. <i>Cancer</i> , 2016 , 122, 748-57	6.4	48
239	Breast density estimation from high spectral and spatial resolution MRI. <i>Journal of Medical Imaging</i> , 2016 , 3, 044507	2.6	8
238	LUNGx Challenge for computerized lung nodule classification. <i>Journal of Medical Imaging</i> , 2016 , 3, 044506	6.6	50
237	Automated Breast Ultrasound in Breast Cancer Screening of Women With Dense Breasts: Reader Study of Mammography-Negative and Mammography-Positive Cancers. <i>American Journal of Roentgenology</i> , 2016 , 206, 1341-50	5.4	66
236	MR Imaging Radiomics Signatures for Predicting the Risk of Breast Cancer Recurrence as Given by Research Versions of MammaPrint, Oncotype DX, and PAM50 Gene Assays. <i>Radiology</i> , 2016 , 281, 382-391	20.5	297
235	Clinical significance of noncalcified lung nodules in patients with breast cancer. <i>Breast Cancer Research and Treatment</i> , 2016 , 159, 265-71	4.4	3
234	Prediction of clinical phenotypes in invasive breast carcinomas from the integration of radiomics and genomics data. <i>Journal of Medical Imaging</i> , 2015 , 2, 041007	2.6	99
233	Manganese-enhanced MRI detection of impaired calcium regulation in a mouse model of cardiac hypertrophy. <i>NMR in Biomedicine</i> , 2015 , 28, 255-63	4.4	5
232	Deciphering Genomic Underpinnings of Quantitative MRI-based Radiomic Phenotypes of Invasive Breast Carcinoma. <i>Scientific Reports</i> , 2015 , 5, 17787	4.9	108
231	Quantitative imaging biomarkers: a review of statistical methods for computer algorithm comparisons. <i>Statistical Methods in Medical Research</i> , 2015 , 24, 68-106	2.3	99
230	Dual-lumen chest port infection rates in patients with head and neck cancer. <i>CardioVascular and Interventional Radiology</i> , 2015 , 38, 651-6	2.7	5
229	LUNGx Challenge for computerized lung nodule classification: reflections and lessons learned. <i>Journal of Medical Imaging</i> , 2015 , 2, 020103	2.6	32
228	Special Section Guest Editorial:Radiomics and Imaging Genomics: Quantitative Imaging for Precision Medicine. <i>Journal of Medical Imaging</i> , 2015 , 2, 041001	2.6	12
227	Preliminary assessment of dispersion versus absorption analysis of high spectral and spatial resolution magnetic resonance images in the diagnosis of breast cancer. <i>Journal of Medical Imaging</i> , 2015 , 2, 024502	2.6	4
226	Using quantitative image analysis to classify axillary lymph nodes on breast MRI: a new application for the Z 0011 Era. <i>European Journal of Radiology</i> , 2015 , 84, 392-397	4.7	25

225	Level set segmentation of breast masses in contrast-enhanced dedicated breast CT and evaluation of stopping criteria. <i>Journal of Digital Imaging</i> , 2014 , 27, 237-47	5.3	22
224	Comparison of barbed versus conventional sutures for wound closure of radiologically implanted chest ports. <i>Journal of Vascular and Interventional Radiology</i> , 2014 , 25, 1433-8	2.4	5
223	Medical imaging and computers in the diagnosis of breast cancer 2014 ,		3
222	Compositional Three-Component Breast Imaging of Fibroadenoma and Invasive Cancer Lesions: Pilot Study. <i>Lecture Notes in Computer Science</i> , 2014 , 109-114	0.9	1
221	Comparative analysis of image-based phenotypes of mammographic density and parenchymal patterns in distinguishing between BRCA1/2 cases, unilateral cancer cases, and controls. <i>Journal of Medical Imaging</i> , 2014 , 1, 031009	2.6	27
220	Impact of lesion segmentation metrics on computer-aided diagnosis/detection in breast computed tomography. <i>Journal of Medical Imaging</i> , 2014 , 1, 031012	2.6	8
219	Validation of quantitative analysis of multiparametric prostate MR images for prostate cancer detection and aggressiveness assessment: a cross-imager study. <i>Radiology</i> , 2014 , 271, 461-71	20.5	66
218	Pilot study demonstrating potential association between breast cancer image-based risk phenotypes and genomic biomarkers. <i>Medical Physics</i> , 2014 , 41, 031917	4.4	17
217	Residual analysis of the water resonance signal in breast lesions imaged with high spectral and spatial resolution (HiSS) MRI: a pilot study. <i>Medical Physics</i> , 2014 , 41, 012303	4.4	13
216	Potential of computer-aided diagnosis of high spectral and spatial resolution (HiSS) MRI in the classification of breast lesions. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 59-67	5.6	18
215	Mammographic quantitative image analysis and biologic image composition for breast lesion characterization and classification. <i>Medical Physics</i> , 2014 , 41, 031915	4.4	10
214	Relationships between computer-extracted mammographic texture pattern features and BRCA1/2 mutation status: a cross-sectional study. <i>Breast Cancer Research</i> , 2014 , 16, 424	8.3	32
213	Cell distance mapping identifies functional T follicular helper cells in inflamed human renal tissue. <i>Science Translational Medicine</i> , 2014 , 6, 230ra46	17.5	120
212	Segmentation of breast masses on dedicated breast computed tomography and three-dimensional breast ultrasound images. <i>Journal of Medical Imaging</i> , 2014 , 1, 014501	2.6	15
211	Computerized detection of breast cancer on automated breast ultrasound imaging of women with dense breasts. <i>Medical Physics</i> , 2014 , 41, 012901	4.4	17
210	Relationships between computer-extracted mammographic texture pattern features and. <i>Breast Cancer Research</i> , 2014 , 16, 424	8.3	17
209	Quantitative MRI Phenotyping of Breast Cancer across Molecular Classification Subtypes. <i>Lecture Notes in Computer Science</i> , 2014 , 195-200	0.9	2
208	Quantitative ultrasound image analysis of axillary lymph node status in breast cancer patients. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013 , 8, 895-903	3.9	7

207	Interreader scoring variability in an observer study using dual-modality imaging for breast cancer detection in women with dense breasts. <i>Academic Radiology</i> , 2013 , 20, 847-53	4.3	16
206	Breast image analysis for risk assessment, detection, diagnosis, and treatment of cancer. <i>Annual Review of Biomedical Engineering</i> , 2013 , 15, 327-57	12	136
205	A study of T2-weighted MR image texture features and diffusion-weighted MR image features for computer-aided diagnosis of prostate cancer 2013 ,		13
204	Automatic 3D lesion segmentation on breast ultrasound images 2013 ,		2
203	Quantitative analysis of multiparametric prostate MR images: differentiation between prostate cancer and normal tissue and correlation with Gleason score--a computer-aided diagnosis development study. <i>Radiology</i> , 2013 , 267, 787-96	20.5	195
202	Ethics and professionalism in medical physics: a survey of AAPM members. <i>Medical Physics</i> , 2013 , 40, 047001	4.4	9
201	Breast image feature learning with adaptive deconvolutional networks 2012 ,		24
200	Computerized analysis of mammographic parenchymal patterns on a large clinical dataset of full-field digital mammograms: robustness study with two high-risk datasets. <i>Journal of Digital Imaging</i> , 2012 , 25, 591-8	5.3	32
199	Research imaging in an academic medical center. <i>Academic Radiology</i> , 2012 , 19, 762-71	4.3	6
198	A scaling transformation for classifier output based on likelihood ratio: applications to a CAD workstation for diagnosis of breast cancer. <i>Medical Physics</i> , 2012 , 39, 2787-804	4.4	8
197	Re: effectiveness of computer-aided detection in community mammography practice. <i>Journal of the National Cancer Institute</i> , 2012 , 104, 77; author reply 78-9	9.7	3
196	Level Set Breast Mass Segmentation in Contrast-Enhanced and Non-Contrast-Enhanced Breast CT. <i>Lecture Notes in Computer Science</i> , 2012 , 697-704	0.9	2
195	Robustness Studies of Ultrasound CADx in Breast Cancer Diagnosis. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 2012 , 1-22	0.4	
194	Exploring deep parametric embeddings for breast CADx 2011 ,		1
193	Normal parenchymal enhancement patterns in women undergoing MR screening of the breast. <i>European Radiology</i> , 2011 , 21, 1374-82	8	33
192	Combined use of T2-weighted MRI and T1-weighted dynamic contrast-enhanced MRI in the automated analysis of breast lesions. <i>Magnetic Resonance in Medicine</i> , 2011 , 66, 555-64	4.4	25
191	Computerized three-class classification of MRI-based prognostic markers for breast cancer. <i>Physics in Medicine and Biology</i> , 2011 , 56, 5995-6008	3.8	29
190	Evaluation of clinical breast MR imaging performed with prototype computer-aided diagnosis breast MR imaging workstation: reader study. <i>Radiology</i> , 2011 , 258, 696-704	20.5	32

189	Cancerous breast lesions on dynamic contrast-enhanced MR images: computerized characterization for image-based prognostic markers. <i>Radiology</i> , 2010 , 254, 680-90	20.5	147
188	Computerized assessment of breast lesion malignancy using DCE-MRI robustness study on two independent clinical datasets from two manufacturers. <i>Academic Radiology</i> , 2010 , 17, 822-9	4.3	38
187	Multimodality computer-aided breast cancer diagnosis with FFDM and DCE-MRI. <i>Academic Radiology</i> , 2010 , 17, 1158-67	4.3	35
186	Performance of Triple-Modality CADx on Breast Cancer Diagnostic Classification. <i>Lecture Notes in Computer Science</i> , 2010 , 9-14	0.9	1
185	Exploring nonlinear feature space dimension reduction and data representation in breast Cadx with Laplacian eigenmaps and t-SNE. <i>Medical Physics</i> , 2010 , 37, 339-51	4.4	88
184	Repeatability in computer-aided diagnosis: application to breast cancer diagnosis on sonography. <i>Medical Physics</i> , 2010 , 37, 2659-69	4.4	11
183	Enhancement of breast CADx with unlabeled data. <i>Medical Physics</i> , 2010 , 37, 4155-72	4.4	15
182	Computerized method for evaluating diagnostic image quality of calcified plaque images in cardiac CT: validation on a physical dynamic cardiac phantom. <i>Medical Physics</i> , 2010 , 37, 5777-86	4.4	3
181	Effect of variable gain on computerized texture analysis on digitalized mammograms 2010 ,		1
180	Radiographic texture analysis of densitometric calcaneal images: relationship to clinical characteristics and to bone fragility. <i>Journal of Bone and Mineral Research</i> , 2010 , 25, 56-63	6.3	18
179	A novel hybrid linear/nonlinear classifier for two-class classification: theory, algorithm, and applications. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 428-41	11.7	6
178	Validation of Mammographic Texture Analysis for Assessment of Breast Cancer Risk. <i>Lecture Notes in Computer Science</i> , 2010 , 267-271	0.9	3
177	Breast US computer-aided diagnosis system: robustness across urban populations in South Korea and the United States. <i>Radiology</i> , 2009 , 253, 661-71	20.5	20
176	Automated method for improving system performance of computer-aided diagnosis in breast ultrasound. <i>IEEE Transactions on Medical Imaging</i> , 2009 , 28, 122-8	11.7	25
175	Using three-class BANN classifier in the automated analysis of breast cancer lesions in DCE-MRI 2009 ,		1
174	Computerized breast parenchymal analysis on DCE-MRI 2009 ,		2
173	Evaluation of computer-aided diagnosis on a large clinical full-field digital mammographic dataset. <i>Academic Radiology</i> , 2008 , 15, 1437-45	4.3	28
172	Prevalence scaling: applications to an intelligent workstation for the diagnosis of breast cancer. <i>Academic Radiology</i> , 2008 , 15, 1446-57	4.3	13

171	Radiographic texture analysis in the characterization of trabecular patterns in periprosthetic osteolysis. <i>Academic Radiology</i> , 2008 , 15, 176-85	4.3	7
170	Performance of breast ultrasound computer-aided diagnosis: dependence on image selection. <i>Academic Radiology</i> , 2008 , 15, 1234-45	4.3	25
169	Potential effect of different radiologist reporting methods on studies showing benefit of CAD. <i>Academic Radiology</i> , 2008 , 15, 139-52	4.3	13
168	Reproducibility and sources of variability in radiographic texture analysis of densitometric calcaneal images. <i>Journal of Clinical Densitometry</i> , 2008 , 11, 211-20	3.5	8
167	Correlative feature analysis of FFDM images 2008 ,		4
166	Chord-based image reconstruction from clinical projection data 2008 ,		1
165	Computerized assessment of coronary calcified plaques in CT images of a dynamic cardiac phantom 2008 ,		1
164	Breast US computer-aided diagnosis workstation: performance with a large clinical diagnostic population. <i>Radiology</i> , 2008 , 248, 392-7	20.5	39
163	Anniversary paper: History and status of CAD and quantitative image analysis: the role of Medical Physics and AAPM. <i>Medical Physics</i> , 2008 , 35, 5799-820	4.4	186
162	DCEMRI of breast lesions: is kinetic analysis equally effective for both mass and nonmass-like enhancement?. <i>Medical Physics</i> , 2008 , 35, 3102-9	4.4	52
161	Correlative feature analysis on FFDM. <i>Medical Physics</i> , 2008 , 35, 5490-500	4.4	13
160	Computer-Aided Diagnosis 2008 , 359-XXII		13
159	Power spectral analysis of mammographic parenchymal patterns for breast cancer risk assessment. <i>Journal of Digital Imaging</i> , 2008 , 21, 145-52	5.3	41
158	Temporal radiographic texture analysis in the detection of periprosthetic osteolysis. <i>Medical Physics</i> , 2008 , 35, 377-87	4.4	6
157	Identifying Corresponding Lesions from CC and MLO Views Via Correlative Feature Analysis. <i>Lecture Notes in Computer Science</i> , 2008 , 323-328	0.9	2
156	Performance of CADx on a Large Clinical Database of FFDM Images. <i>Lecture Notes in Computer Science</i> , 2008 , 510-514	0.9	1
155	Volumetric texture analysis of breast lesions on contrast-enhanced magnetic resonance images. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 562-71	4.4	235
154	The effect of image quality on the appearance of lesions on breast ultrasound: implications for CADx 2007 , 6514, 433		1

153	Computerized assessment of motion-contaminated calcified plaques in cardiac multidetector CT. <i>Medical Physics</i> , 2007 , 34, 4876-89	4.4	7
152	Feature-based characterization of motion-contaminated calcified plaques in cardiac multidetector CT. <i>Medical Physics</i> , 2007 , 34, 4860-75	4.4	6
151	PROGRESS IN BREAST CADx 2007 ,		2
150	A dual-stage method for lesion segmentation on digital mammograms. <i>Medical Physics</i> , 2007 , 34, 4180-93	4.4	73
149	Imputation methods for temporal radiographic texture analysis in the detection of periprosthetic osteolysis 2007 ,		2
148	Automatic selection of region of interest for radiographic texture analysis 2007 ,		1
147	Joint feature selection and classification using a Bayesian neural network with automatic relevance determination priors: potential use in CAD of medical imaging 2007 ,		2
146	Fractal analysis of mammographic parenchymal patterns in breast cancer risk assessment. <i>Academic Radiology</i> , 2007 , 14, 513-21	4.3	72
145	Classification of breast lesions with multimodality computer-aided diagnosis: observer study results on an independent clinical data set. <i>Radiology</i> , 2006 , 240, 357-68	20.5	85
144	Region-of-interest reconstruction of motion-contaminated data using a weighted backprojection filtration algorithm. <i>Medical Physics</i> , 2006 , 33, 1222-38	4.4	8
143	Computerized mass detection for digital breast tomosynthesis directly from the projection images. <i>Medical Physics</i> , 2006 , 33, 482-91	4.4	64
142	Automatic identification and classification of characteristic kinetic curves of breast lesions on DCE-MRI. <i>Medical Physics</i> , 2006 , 33, 2878-87	4.4	154
141	A fuzzy c-means (FCM)-based approach for computerized segmentation of breast lesions in dynamic contrast-enhanced MR images. <i>Academic Radiology</i> , 2006 , 13, 63-72	4.3	252
140	Suppression of motion-induced streak artifacts along chords in fan-beam BPF-reconstructions of motion-contaminated projection data 2006 , 6142, 725		1
139	A two-stage method for lesion segmentation on digital mammograms 2006 ,		1
138	Power spectral analysis of mammographic parenchymal patterns 2006 ,		1
137	Investigation of temporal radiographic texture analysis for the detection of periprosthetic osteolysis 2006 , 6144, 2212		2
136	Comparison of Computerized Image Analyses for Digitized Screen-Film Mammograms and Full-Field Digital Mammography Images. <i>Lecture Notes in Computer Science</i> , 2006 , 569-575	0.9	3

135	Update on the potential role of CAD in radiologic interpretations: are we making progress? <i>Academic Radiology</i> , 2005 , 12, 669-70	4.3	10
134	Computerized texture analysis of mammographic parenchymal patterns of digitized mammograms. <i>Academic Radiology</i> , 2005 , 12, 863-73	4.3	83
133	Multimodality computerized diagnosis of breast lesions using mammography and sonography. <i>Academic Radiology</i> , 2005 , 12, 970-9	4.3	35
132	Character recognition and image manipulation for the clinical translation of CAD for breast ultrasound 2005 , 5747, 1128		
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