Heang-Ping Chan

List of Publications by Year in Descending Order

356 papers	10,151 citations	58 h-index	88 g-index
430 ext. papers	11,829 ext. citations	5.6 avg, IF	5.88 L-index

#	Paper	IF	Citations
356	Computerized Decision Support for Bladder Cancer Treatment Response Assessment in CT Urography: Effect on Diagnostic Accuracy in Multi-Institution Multi-Specialty Study.. *Tomography*, **2022**, 8, 644-656	3.1	0
355	Recursive training strategy for a deep learning network for segmentation of pathology nuclei with incomplete annotation. *IEEE Access*, **2022**, 1-1	3.5	0
354	Quantitative Imaging and Bladder Cancer **2021**, 1-32		
353	Risks of feature leakage and sample size dependencies in deep feature extraction for breast mass classification. *Medical Physics*, **2021**, 48, 2827-2837	4.4	3
352	Promise and Potential Pitfalls: Re-creating Images or Generating New Images for AI Modeling. *Radiology: Artificial Intelligence*, **2021**, 3, e210102	8.7	1
351	Assessment of task-based performance from five clinical DBT systems using an anthropomorphic breast phantom. *Medical Physics*, **2021**, 48, 1026-1038	4.4	2
350	Deep Convolutional Neural Network With Adversarial Training for Denoising Digital Breast Tomosynthesis Images. *IEEE Transactions on Medical Imaging*, **2021**, 40, 1805-1816	11.7	3
349	Image Processing Analytics: Enhancements and Segmentation **2021**, 1727-1745		
348	Prediction of Disease Free Survival in Laryngeal and Hypopharyngeal Cancers Using CT Perfusion and Radiomic Features: A Pilot Study. *Tomography*, **2021**, 7, 10-19	3.1	4
347	Computer-aided diagnosis in the era of deep learning. *Medical Physics*, **2020**, 47, e218-e227	4.4	36
346	Pathologic categorization of lung nodules: Radiomic descriptors of CT attenuation distribution patterns of solid and subsolid nodules in low-dose CT. *European Journal of Radiology*, **2020**, 129, 109106	4.7	2
345	Generalization error analysis for deep convolutional neural network with transfer learning in breast cancer diagnosis. *Physics in Medicine and Biology*, **2020**, 65, 105002	3.8	11
344	Explainable AI for medical imaging: deep-learning CNN ensemble for classification of estrogen receptor status from breast MRI **2020**,		10
343	Deep convolutional neural network denoising for digital breast tomosynthesis reconstruction **2020**,		2
342	Assessment of task-based performance from five clinical DBT systems using an anthropomorphic breast phantom **2020**,		2
341	Standardization in Quantitative Imaging: A Multicenter Comparison of Radiomic Features from Different Software Packages on Digital Reference Objects and Patient Data Sets. *Tomography*, **2020**, 6, 118-128	3.1	32
340	Intraobserver Variability in Bladder Cancer Treatment Response Assessment With and Without Computerized Decision Support. *Tomography*, **2020**, 6, 194-202	3.1	6

339	Generating high resolution digital mammogram from digitized film mammogram with conditional generative adversarial network **2020**,		2
338	Hazards of data leakage in machine learning: a study on classification of breast cancer using deep neural networks **2020**,		3
337	Deep Learning in Medical Image Analysis. *Advances in Experimental Medicine and Biology*, **2020**, 1213, 3-21	3.6	80
336	CAD and AI for breast cancer-recent development and challenges. *British Journal of Radiology*, **2020** , 93, 20190580	3.4	34
335	Digital Breast Tomosynthesis Slab Thickness: Impact on Reader Performance and Interpretation Time. *Radiology*, **2020**, 297, 534-542	20.5	1
334	Deep Learning Approach for Assessment of Bladder Cancer Treatment Response. *Tomography*, **2019**, 5, 201-208	3.1	18
333	Variabilities in Reference Standard by Radiologists and Performance Assessment in Detection of Pulmonary Embolism in CT Pulmonary Angiography. *Journal of Digital Imaging*, **2019**, 32, 1089-1096	5.3	2
332	Automated pectoral muscle identification on MLO-view mammograms: Comparison of deep neural network to conventional computer vision. *Medical Physics*, **2019**, 46, 2103-2114	4.4	6
331	U-Net based deep learning bladder segmentation in CT urography. *Medical Physics*, **2019**, 46, 1752-1765	4.4	22
330	Effect of source blur on digital breast tomosynthesis reconstruction. *Medical Physics*, **2019**, 46, 5572-5592	4.4	4
329	Multi-path deep learning model for automated mammographic density categorization **2019**,		2
328	2D and 3D bladder segmentation using U-Net-based deep-learning **2019**,		3
327	Homogenization of breast MRI across imaging centers and feature analysis using unsupervised deep embedding **2019**,		1
326	Analysis of deep convolutional features for detection of lung nodules in computed tomography **2019**,		2
325	Breast Cancer Diagnosis in Digital Breast Tomosynthesis: Effects of Training Sample Size on Multi-Stage Transfer Learning Using Deep Neural Nets. *IEEE Transactions on Medical Imaging*, **2019**, 38, 686-696	11.7	84
324	Diagnostic Accuracy of CT for Prediction of Bladder Cancer Treatment Response with and without Computerized Decision Support. *Academic Radiology*, **2019**, 26, 1137-1145	4.3	21
323	Synthesizing mammogram from digital breast tomosynthesis. *Physics in Medicine and Biology*, **2019**, 64, 045011	3.8	4
322	Deep-learning convolutional neural network: Inner and outer bladder wall segmentation in CT urography. *Medical Physics*, **2019**, 46, 634-648	4.4	6

321	Interrater Agreement and Diagnostic Accuracy of a Novel Computer-Aided Detection Process for the Detection and Prevention of Retained Surgical Instruments. *American Journal of Roentgenology*, **2018**, 210, 709-714	5.4	2
320	Evolutionary pruning of transfer learned deep convolutional neural network for breast cancer diagnosis in digital breast tomosynthesis. *Physics in Medicine and Biology*, **2018**, 63, 095005	3.8	43
319	Semi-automated pulmonary nodule interval segmentation using the NLST data. *Medical Physics*, **2018**, 45, 1093-1107	4.4	11
318	Detector Blur and Correlated Noise Modeling for Digital Breast Tomosynthesis Reconstruction. *IEEE Transactions on Medical Imaging*, **2018**, 37, 116-127	11.7	11
317	Assessment of mammographic breast density after sleeve gastrectomy. *Surgery for Obesity and Related Diseases*, **2018**, 14, 1643-1651	3	1
316	Generalization error analysis: deep convolutional neural network in mammography **2018**,		2
315	Compression of deep convolutional neural network for computer-aided diagnosis of masses in digital breast tomosynthesis **2018**,		1
314	Cross-domain and multi-task transfer learning of deep convolutional neural network for breast cancer diagnosis in digital breast tomosynthesis **2018**,		6
313	Differentiating invasive and pre-invasive lung cancer by quantitative analysis of histopathologic images **2018**,		1
312	Bladder cancer treatment response assessment in CT urography using two-channel deep-learning network **2018**,		1
311	Computer-aided assessment of breast density: comparison of supervised deep learning and feature-based statistical learning. *Physics in Medicine and Biology*, **2018**, 63, 025005	3.8	31
310	Segmented separable footprint projector for digital breast tomosynthesis and its application for subpixel reconstruction. *Medical Physics*, **2017**, 44, 986-1001	4.4	4
309	Segmentation of inner and outer bladder wall using deep-learning convolutional neural network in CT urography **2017**,		5
308	Computer-aided detection of retained surgical needles from postoperative radiographs. *Medical Physics*, **2017**, 44, 180-191	4.4	3
307	Quantitative analysis of CT attenuation distribution patterns of nodule components for pathologic categorization of lung nodules **2017**,		1
306	Radiomics biomarkers for accurate tumor progression prediction of oropharyngeal cancer **2017**,		1
305	Multi-task transfer learning deep convolutional neural network: application to computer-aided diagnosis of breast cancer on mammograms. *Physics in Medicine and Biology*, **2017**, 62, 8894-8908	3.8	101
304	Improving image quality for digital breast tomosynthesis: an automated detection and diffusion-based method for metal artifact reduction. *Physics in Medicine and Biology*, **2017**, 62, 7765-7783	3.8	5

303	Bladder Cancer Treatment Response Assessment in CT using Radiomics with Deep-Learning. *Scientific Reports*, **2017**, 7, 8738	4.9	91
302	Urinary bladder cancer staging in CT urography using machine learning. *Medical Physics*, **2017**, 44, 5814-5823	4.4	53
301	Characterization of Breast Masses in Digital Breast Tomosynthesis and Digital Mammograms: An Observer Performance Study. *Academic Radiology*, **2017**, 24, 1372-1379	4.3	14
300	Computer-aided detection of bladder masses in CT urography (CTU) **2017**,		2
299	Quantitative Analysis of MR Imaging to Assess Treatment Response for Patients with Multiple Myeloma by Using Dynamic Intensity Entropy Transformation: A Preliminary Study. *Radiology*, **2016**, 278, 449-57	20.5	5
298	Comment on "Large area CMOS active pixel sensor x-ray imager for digital breast tomosynthesis: Analysis, modeling, and characterization" [Med. Phys. 42, 6294-6308 (2015)]. *Medical Physics*, **2016**, 43, 1578	4.4	1
297	Comparison of bladder segmentation using deep-learning convolutional neural network with and without level sets **2016**,		1
296	Bladder Cancer Segmentation in CT for Treatment Response Assessment: Application of Deep-Learning Convolution Neural Network-A Pilot Study. *Tomography*, **2016**, 2, 421-429	3.1	46
295	Best-Quality Vessel Identification Using Vessel Quality Measure in Multiple-Phase Coronary CT Angiography. *Computational and Mathematical Methods in Medicine*, **2016**, 2016, 1835297	2.8	1
294	Computer-aided detection of bladder mass within non-contrast-enhanced region of CT Urography (CTU) **2016**,		1
293	Analysis of computer-aided detection techniques and signal characteristics for clustered microcalcifications on digital mammography and digital breast tomosynthesis. *Physics in Medicine and Biology*, **2016**, 61, 7092-7112	3.8	16
292	Mass detection in digital breast tomosynthesis: Deep convolutional neural network with transfer learning from mammography. *Medical Physics*, **2016**, 43, 6654	4.4	170
291	Coronary artery analysis: Computer-assisted selection of best-quality segments in multiple-phase coronary CT angiography. *Medical Physics*, **2016**, 43, 5268	4.4	2
290	A Similarity Study of Interactive Content-Based Image Retrieval Scheme for Classification of Breast Lesions. *IEICE Transactions on Information and Systems*, **2016**, E99.D, 1663-1670	0.6	1
289	Urinary bladder segmentation in CT urography using deep-learning convolutional neural network and level sets. *Medical Physics*, **2016**, 43, 1882	4.4	147
288	Digital breast tomosynthesis reconstruction using spatially weighted non-convex regularization **2016**,		4
287	Deep-learning convolution neural network for computer-aided detection of microcalcifications in digital breast tomosynthesis **2016**,		19
286	First and second-order features for detection of masses in digital breast tomosynthesis **2016**,		1

285	Treatment Response Assessment for Bladder Cancer on CT Based on Computerized Volume Analysis, World Health Organization Criteria, and RECIST. *American Journal of Roentgenology*, **2015**, 205, 348-52	5.4	5
284	Comparison of computer-aided detection of clustered microcalcifications in digital mammography and digital breast tomosynthesis **2015**,		1
283	Novel Associations between Common Breast Cancer Susceptibility Variants and Risk-Predicting Mammographic Density Measures. *Cancer Research*, **2015**, 75, 2457-67	10.1	45
282	Detection of urinary bladder mass in CT urography with SPAN. *Medical Physics*, **2015**, 42, 4271-84	4.4	7
281	Computer-aided detection system for clustered microcalcifications in digital breast tomosynthesis using joint information from volumetric and planar projection images. *Physics in Medicine and Biology*, **2015**, 60, 8457-79	3.8	21
280	Robustness evaluation of a computer-aided detection system for pulmonary embolism (PE) in CTPA using independent test set from multiple institutions **2015**,		1
279	Automatic selection of best quality vessels from multiple-phase coronary CT angiography (cCTA) **2015**,		1
278	Computer aided detection of surgical retained foreign object for prevention. *Medical Physics*, **2015**, 42, 1213-22	4.4	5
277	Multiscale bilateral filtering for improving image quality in digital breast tomosynthesis. *Medical Physics*, **2015**, 42, 182-95	4.4	13
276	Response. *Radiology*, **2015**, 275, 619	20.5	
275	CT urography: segmentation of urinary bladder using CLASS with local contour refinement. *Physics in Medicine and Biology*, **2014**, 59, 2767-85	3.8	12
274	Genome-wide association study identifies multiple loci associated with both mammographic density and breast cancer risk. *Nature Communications*, **2014**, 5, 5303	17.4	84
273	Ureter tracking and segmentation in CT urography (CTU) using COMPASS. *Medical Physics*, **2014**, 41, 121906	4.4	0
272	Digital breast tomosynthesis reconstruction with an adaptive voxel grid **2014**,		1
271	Digital breast tomosynthesis: computer-aided detection of clustered microcalcifications on planar projection images. *Physics in Medicine and Biology*, **2014**, 59, 7457-77	3.8	26
270	Coronary CT angiography (cCTA): automated registration of coronary arterial trees from multiple phases. *Physics in Medicine and Biology*, **2014**, 59, 4661-80	3.8	7
269	False positive reduction of microcalcification cluster detection in digital breast tomosynthesis **2014** ,		2
268	Digital breast tomosynthesis: effects of projection-view distribution on computer-aided detection of microcalcification clusters **2014**,		2

267	Computer-aided detection of clustered microcalcifications in multiscale bilateral filtering regularized reconstructed digital breast tomosynthesis volume. *Medical Physics*, **2014**, 41, 021901	4.4	19
266	Computerized detection of noncalcified plaques in coronary CT angiography: evaluation of topological soft gradient prescreening method and luminal analysis. *Medical Physics*, **2014**, 41, 081901	4.4	14
265	Multichannel response analysis on 2D projection views for detection of clustered microcalcifications in digital breast tomosynthesis. *Medical Physics*, **2014**, 41, 041913	4.4	12
264	Digital breast tomosynthesis: observer performance of clustered microcalcification detection on breast phantom images acquired with an experimental system using variable scan angles, angular increments, and number of projection views. *Radiology*, **2014**, 273, 675-85	20.5	38
263	Computerized analysis of coronary artery disease: performance evaluation of segmentation and tracking of coronary arteries in CT angiograms. *Medical Physics*, **2014**, 41, 081912	4.4	7
262	Digital breast tomosynthesis: studies of the effects of acquisition geometry on contrast-to-noise ratio and observer preference of low-contrast objects in breast phantom images. *Physics in Medicine and Biology*, **2014**, 59, 5883-902	3.8	33
261	Surgical retained foreign object (RFO) prevention by computer aided detection (CAD) **2014**,		1
260	Evaluation of computer-aided detection and diagnosis systems. *Medical Physics*, **2013**, 40, 087001	4.4	68
259	Quality assurance and training procedures for computer-aided detection and diagnosis systems in clinical use. *Medical Physics*, **2013**, 40, 077001	4.4	17
258	Auto-initialized cascaded level set (AI-CALS) segmentation of bladder lesions on multidetector row CT urography. *Academic Radiology*, **2013**, 20, 148-55	4.3	19
257	Detection of microcalcifications in breast tomosynthesis reconstructed with multiscale bilateral filtering regularization **2013**,		3
256	Neural network training by maximization of the area under the ROC curve: application to characterization of masses on breast ultrasound as malignant or benign **2013**,		1
255	Computerized detection of non-calcified plaques in coronary CT angiography: topological soft-gradient detection method for plaque prescreening **2013**,		1
254	Automated registration of coronary arterial trees from multiple phases in coronary CT angiography (cCTA) **2013**,		2
253	Study of image quality in digital breast tomosynthesis by subpixel reconstruction **2013**,		1
252	Computerized segmentation of ureters in CT urography (CTU) using COMPASS **2013**,		1
251	Urinary bladder segmentation in CT urography (CTU) using CLASS. *Medical Physics*, **2013**, 40, 111906	4.4	9
250	A diffusion-based truncated projection artifact reduction method for iterative digital breast tomosynthesis reconstruction. *Physics in Medicine and Biology*, **2013**, 58, 569-87	3.8	8

249	Automated iterative neutrosophic lung segmentation for image analysis in thoracic computed tomography. *Medical Physics*, **2013**, 40, 081912	4.4	30
248	Aromatase inhibitor-induced modulation of breast density: clinical and genetic effects. *British Journal of Cancer*, **2013**, 109, 2331-9	8.7	22
247	A similarity study of content-based image retrieval system for breast cancer using decision tree. *Medical Physics*, **2013**, 40, 012901	4.4	4
246	Breast mass characterization using 3-dimensional automated ultrasound as an adjunct to digital breast tomosynthesis: a pilot study. *Journal of Ultrasound in Medicine*, **2013**, 32, 93-104	2.9	18
245	Digital breast tomosynthesis is comparable to mammographic spot views for mass characterization. *Radiology*, **2012**, 262, 61-8	20.5	121
244	Multiscale regularized reconstruction for enhancing microcalcification in digital breast tomosynthesis **2012**,		6
243	Automated coronary artery tree extraction in coronary CT angiography using a multiscale enhancement and dynamic balloon tracking (MSCAR-DBT) method. *Computerized Medical Imaging and Graphics*, **2012**, 36, 1-10	7.6	38
242	Computer-aided detection of clustered microcalcifications in digital breast tomosynthesis: a 3D approach. *Medical Physics*, **2012**, 39, 28-39	4.4	38
241	Segmentation of urinary bladder in CT urography. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 3978-81	0.9	
240	Computer-aided detection of microcalcifications in digital breast tomosynthesis (DBT): a multichannel signal detection approach on projection views **2012**,		1
239	Segmentation of urinary bladder in CT urography (CTU) using CLASS **2012**,		3
238	A similarity study between the query mass and retrieved masses using decision tree content-based image retrieval (DTCBIR) CADx system for characterization of ultrasound breast mass images **2012**,		1
237	Interactive content-based image retrieval (CBIR) computer-aided diagnosis (CADx) system for ultrasound breast masses using relevance feedback **2012**,		1
236	Pulmonary vessel segmentation utilizing curved planar reformation and optimal path finding (CROP) in computed tomographic pulmonary angiography (CTPA) for CAD applications **2012**,		4
235	Inter- and Intra-Observer Variability of Radiologists Evaluating CBIR Systems. *Lecture Notes in Computer Science*, **2012**, 482-489	0.9	1
234	Improving Image Quality of Digital Breast Tomosynthesis by Artifact Reduction. *Lecture Notes in Computer Science*, **2012**, 745-752	0.9	1
233	Breast Parenchymal Pattern (BPP) Analysis: Comparison of Digital Mammograms and Breast Tomosynthesis. *Lecture Notes in Computer Science*, **2012**, 514-520	0.9	
232	TH-E-217BCD-10: The Effect of Model Based Iterative Reconstruction (GE-VEO) on the CT Numbers and Noise of Both Small Lung Nodules and Large Homogeneous (heart and Spongiosa) Regions in an Anthropomorphic Chest Phantom. *Medical Physics*, **2012**, 39, 4016-4016	4.4	

231	BI-RADS guided mammographic mass retrieval **2011**,		3
230	Computer-aided detection of breast masses: four-view strategy for screening mammography. *Medical Physics*, **2011**, 38, 1867-76	4.4	20
229	Computer-aided detection of breast masses in digital breast tomosynthesis (DBT): improvement of false positive reduction by optimization of object segmentation **2011**,		5
228	Image quality of microcalcifications in digital breast tomosynthesis: effects of projection-view distributions. *Medical Physics*, **2011**, 38, 5703-12	4.4	28
227	Similarity evaluation in a content-based image retrieval (CBIR) CADx system for characterization of breast masses on ultrasound images. *Medical Physics*, **2011**, 38, 1820-31	4.4	23
226	Adaptive diffusion regularization for enhancement of microcalcifications in digital breast tomosynthesis (DBT) reconstruction **2011**,		7
225	Association of computerized mammographic parenchymal pattern measure with breast cancer risk: a pilot case-control study. *Radiology*, **2011**, 260, 42-9	20.5	60
224	Automated segmentation and tracking of coronary arteries in cardiac CT scans: comparison of performance with a clinically used commercial software **2010**,		2
223	Effects of projection-view distributions on image quality of calcifications in digital breast tomosynthesis (DBT) reconstruction **2010**,		1
222	Treatment response assessment of head and neck cancers on CT using computerized volume analysis. *American Journal of Neuroradiology*, **2010**, 31, 1744-51	4.4	11
221	Head and neck cancers on CT: preliminary study of treatment response assessment based on computerized volume analysis. *American Journal of Roentgenology*, **2010**, 194, 1083-9	5.4	10
220	Computer-aided diagnosis of lung nodules on CT scans: ROC study of its effect on radiologistsS performance. *Academic Radiology*, **2010**, 17, 323-32	4.3	30
219	Dynamic multiple thresholding breast boundary detection algorithm for mammograms. *Medical Physics*, **2010**, 37, 391-401	4.4	14
218	Digital breast tomosynthesis: feasibility of automated detection of microcalcification clusters on projections views **2010**,		1
217	Computerized image analysis: texture-field orientation method for pectoral muscle identification on MLO-view mammograms. *Medical Physics*, **2010**, 37, 2289-99	4.4	14
216	Characterization of masses in digital breast tomosynthesis: comparison of machine learning in projection views and reconstructed slices. *Medical Physics*, **2010**, 37, 3576-86	4.4	22
215	Effect of finite sample size on feature selection and classification: a simulation study. *Medical Physics*, **2010**, 37, 907-20	4.4	45
214	Selective-diffusion regularization for enhancement of microcalcifications in digital breast tomosynthesis reconstruction. *Medical Physics*, **2010**, 37, 6003-14	4.4	30

213	Quantitative CT of lung nodules: dependence of calibration on patient body size, anatomic region, and calibration nodule size for single- and dual-energy techniques. *Medical Physics*, **2009**, 36, 3107-21	4.4	11
212	A new automated method for the segmentation and characterization of breast masses on ultrasound images. *Medical Physics*, **2009**, 36, 1553-65	4.4	31
211	Computer-aided diagnosis of pulmonary nodules on CT scans: improvement of classification performance with nodule surface features. *Medical Physics*, **2009**, 36, 3086-98	4.4	107
210	Multi-modality CADx: ROC study of the effect on radiologistsSaccuracy in characterizing breast masses on mammograms and 3D ultrasound images. *Academic Radiology*, **2009**, 16, 810-8	4.3	24
209	Effect of CAD on radiologistsSdetection of lung nodules on thoracic CT scans: analysis of an observer performance study by nodule size. *Academic Radiology*, **2009**, 16, 1518-30	4.3	74
208	Artifact reduction methods for truncated projections in iterative breast tomosynthesis reconstruction. *Journal of Computer Assisted Tomography*, **2009**, 33, 426-35	2.2	20
207	Automated segmentation of urinary bladder and detection of bladder lesions in multi-detector row CT urography **2009**,		5
206	Computer-aided detection of breast masses on mammograms: dual system approach with two-view analysis. *Medical Physics*, **2009**, 36, 4451-60	4.4	38
205	Treatment response assessment of breast masses on dynamic contrast-enhanced magnetic resonance scans using fuzzy c-means clustering and level set segmentation. *Medical Physics*, **2009**, 36, 5052-63	4.4	18
204	Computer-aided detection of pulmonary embolism in computed tomographic pulmonary angiography (CTPA): performance evaluation with independent data sets. *Medical Physics*, **2009**, 36, 3385-96	4.4	13
203	A computer-aided diagnosis system for prediction of the probability of malignancy of breast masses on ultrasound images **2009**,		3
202	Computer-aided diagnosis in breast tomosynthesis and chest CT. *Japanese Journal of Radiological Technology*, **2009**, 65, 968-76		2
201	Performance analysis of three-class classifiers: properties of a 3-D ROC surface and the normalized volume under the surface for the ideal observer. *IEEE Transactions on Medical Imaging*, **2008**, 27, 215-27	11.7	13
200	Automated detection of breast vascular calcification on full-field digital mammograms **2008**,		7
199	Computer-aided diagnosis of lung cancer and pulmonary embolism in computed tomography-a review. *Academic Radiology*, **2008**, 15, 535-55	4.3	60
198	Breast Mass Classification on Full-Field Digital Mammography and Screen-Film Mammography. *Lecture Notes in Computer Science*, **2008**, 371-377	0.9	1
197	Concordance of computer-extracted image features with BI-RADS descriptors for mammographic mass margin **2008**,		4
196	Mammographic breast density--evidence for genetic correlations with established breast cancer risk factors. *Cancer Epidemiology Biomarkers and Prevention*, **2008**, 17, 3509-16	4	14

195	Computer-aided detection of masses in digital tomosynthesis mammography: comparison of three approaches. *Medical Physics*, **2008**, 35, 4087-95	4.4	67
194	Truncation artifact and boundary artifact reduction in breast tomosynthesis reconstruction **2008**,		2
193	Breast mass segmentation on dynamic contrast-enhanced magnetic resonance scans using the level set method **2008**,		2
192	Comparison of mammographic parenchymal patterns of normal subjects and breast cancer patients **2008**,		4
191	Automated detection of ureteral wall thickening on multi-detector row CT urography **2008**,		1
190	Digital tomosynthesis mammography: improvement of artifact reduction method for high-attenuation objects on reconstructed slices **2008**,		2
189	Automated segmentation and tracking of coronary arteries in ECG-gated cardiac CT scans **2008**,		1
188	Effect of CT scanning parameters on volumetric measurements of pulmonary nodules by 3D active contour segmentation: a phantom study. *Physics in Medicine and Biology*, **2008**, 53, 1295-312	3.8	44
187	Anniversary paper: History and status of CAD and quantitative image analysis: the role of Medical Physics and AAPM. *Medical Physics*, **2008**, 35, 5799-820	4.4	186
186	Classifier performance prediction for computer-aided diagnosis using a limited dataset. *Medical Physics*, **2008**, 35, 1559-70	4.4	76
185	Automated regional registration and characterization of corresponding microcalcification clusters on temporal pairs of mammograms for interval change analysis. *Medical Physics*, **2008**, 35, 5340-50	4.4	8
184	Classifier performance estimation under the constraint of a finite sample size: resampling schemes applied to neural network classifiers. *Neural Networks*, **2008**, 21, 476-83	9.1	21
183	Characterization of mammographic masses based on level set segmentation with new image features and patient information. *Medical Physics*, **2008**, 35, 280-90	4.4	79
182	Detection of Masses in Digital Breast Tomosynthesis Mammography: Effects of the Number of Projection Views and Dose. *Lecture Notes in Computer Science*, **2008**, 279-285	0.9	5
181	Computerized Detection and Classification of Malignant and Benign Microcalcifications on Full Field Digital Mammograms. *Lecture Notes in Computer Science*, **2008**, 336-342	0.9	4
180	Automated Registration of Volumes of Interest for a Combined X-Ray Tomosynthesis and Ultrasound Breast Imaging System. *Lecture Notes in Computer Science*, **2008**, 463-468	0.9	4
179	Investigation of Different PV Distributions in Digital Breast Tomosynthesis (DBT) Mammography. *Lecture Notes in Computer Science*, **2008**, 593-600	0.9	6
178	Quasi-continuous and discrete confidence rating scales for observer performance studies: Effects on ROC analysis. *Academic Radiology*, **2007**, 14, 38-48	4.3	16

177	Computer-aided detection systems for breast masses: comparison of performances on full-field digital mammograms and digitized screen-film mammograms. *Academic Radiology*, **2007**, 14, 659-69	4.3	22
176	Automatic multiscale enhancement and segmentation of pulmonary vessels in CT pulmonary angiography images for CAD applications. *Medical Physics*, **2007**, 34, 4567-77	4.4	51
175	Application of boundary detection information in breast tomosynthesis reconstruction. *Medical Physics*, **2007**, 34, 3603-13	4.4	19
174	Classifier Performance Estimation Under the Constraint of a Finite Sample Size: Resampling Schemes Applied to Neural Network Classifiers. *Neural Networks (IJCNN), International Joint Conference on*, **2007**,		3
173	Malignant and benign breast masses on 3D US volumetric images: effect of computer-aided diagnosis on radiologist accuracy. *Radiology*, **2007**, 242, 716-24	20.5	104
172	Automated volume analysis of head and neck lesions on CT scans using 3D level set segmentation. *Medical Physics*, **2007**, 34, 4399-408	4.4	34
171	Computer-aided detection system for clustered microcalcifications: comparison of performance on full-field digital mammograms and digitized screen-film mammograms. *Physics in Medicine and Biology*, **2007**, 52, 981-1000	3.8	18
170	Computer-aided diagnosis for interval change analysis of lung nodule features in serial CT examinations **2007**,		5
169	A dynamic multiple thresholding method for automated breast boundary detection in digitized mammograms **2007**,		3
168	Investigation of the Z-axis resolution of breast tomosynthesis mammography systems **2007**,		4
167	Computer-aided detection of masses in digital tomosynthesis mammography: combination of 3D and 2D detection information **2007**,		2
166	Digital tomosynthesis mammography: intra- and interplane artifact reduction for high-contrast objects on reconstructed slices using a priori 3D geometrical information **2007**,		6
165	Effect of CAD on radiologistsSdetection of lung nodules on thoracic CT scans: observer performance study **2007**,		9
164	Automated detection of pulmonary embolism (PE) in computed tomographic pulmonary angiographic (CTPA) images: multiscale hierachical expectation-maximization segmentation of vessels and PEs **2007**,		2
163	Pulmonary nodule registration in serial CT scans based on rib anatomy and nodule template matching. *Medical Physics*, **2007**, 34, 1336-47	4.4	21
162	Bilateral analysis based false positive reduction for computer-aided mass detection. *Medical Physics* , **2007**, 34, 3334-44	4.4	37
161	The effect of nodule segmentation on the accuracy of computerized lung nodule detection on CT scans: comparison on a data set annotated by multiple radiologists **2007**,		10
160	Tomosynthesis reconstruction using the simultaneous algebraic reconstruction technique (SART) on breast phantom data **2006**, 6142, 1391		9

159	Mammographic density measured with quantitative computer-aided method: comparison with radiologistsSestimates and BI-RADS categories. *Radiology*, **2006**, 240, 656-65	20.5	105
158	Breast masses: computer-aided diagnosis with serial mammograms. *Radiology*, **2006**, 240, 343-56	20.5	35
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