Heang-Ping Chan

List of Publications by Year
in descending order

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423 papers	13,505 citations	16451 64 h-index	30922 102 g-index
430 all docs	430 docs citations	430 times ranked	8426 citing authors

#	Article	IF	Citations
1	Effect of Dose Level on Radiologistsâ€™ Detection of Microcalcifications in Digital Breast Tomosynthesis: An Observer Study with Breast Phantoms. Academic Radiology, 2022, 29, S42-S49.	2.5	3
2	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.	1.8	5
3	Deep convolutional neural network regularized digital breast tomosynthesis reconstruction with detector blur and correlated noise modeling. , 2022, , .		1
4	Recursive Training Strategy for a Deep Learning Network for Segmentation of Pathology Nuclei With Incomplete Annotation. IEEE Access, 2022, 10, 49337-49346.	4.2	2
5	Assessment of taskâ€based performance from five clinical DBT systems using an anthropomorphic breast phantom. Medical Physics, 2021, 48, 1026-1038.	3.0	10
6	Deep Convolutional Neural Network With Adversarial Training for Denoising Digital Breast Tomosynthesis Images. IEEE Transactions on Medical Imaging, 2021, 40, 1805-1816.	8.9	19
7	Image Processing Analytics: Enhancements and Segmentation. , 2021, , 1727-1745.		0
8	Prediction of Disease Free Survival in Laryngeal and Hypopharyngeal Cancers Using CT Perfusion and Radiomic Features: A Pilot Study. Tomography, 2021, 7, 10-19.	1.8	7
9	Risks of feature leakage and sample size dependencies in deep feature extraction for breast mass classification. Medical Physics, 2021, 48, 2827-2837.	3.0	16
10	Promise and Potential Pitfalls: Re-creating Images or Generating New Images for AI Modeling. Radiology: Artificial Intelligence, 2021, 3, e210102.	5.8	1
11	AI in medical physics: guidelines for publication. Medical Physics, 2021, 48, 4711-4714.	3.0	24
12	Using Single-View Wide-Angle DBT with AI for Breast Cancer Screening. Radiology, 2021, 300, 537-538.	7.3	2
13	Quantitative Imaging and Bladder Cancer. , 2021, , 1-32.		0
14	CAD and AI for breast cancerâ€”recent development and challenges. British Journal of Radiology, 2020, 93, 20190580.	2.2	100
15	Digital Breast Tomosynthesis Slab Thickness: Impact on Reader Performance and Interpretation Time. Radiology, 2020, 297, 534-542.	7.3	5
16	Computerâ€aided diagnosis in the era of deep learning. Medical Physics, 2020, 47, e218-e227.	3.0	154
17	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.	2.6	4
18	Generalization error analysis for deep convolutional neural network with transfer learning in breast cancer diagnosis. Physics in Medicine and Biology, 2020, 65, 105002.	3.0	23

#	Article	IF	Citations
19	Deep Learning in Medical Image Analysis. Advances in Experimental Medicine and Biology, 2020, 1213, 3-21.	1.6	300
20	Explainable AI for medical imaging: deep-learning CNN ensemble for classification of estrogen receptor status from breast MRI. , 2020, , .		28
21	Deep convolutional neural network denoising for digital breast tomosynthesis reconstruction. , 2020, , .		7
22	Assessment of task-based performance from five clinical DBT systems using an anthropomorphic breast phantom. , 2020, , .		2
23	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.	1.8	61
24	Intraobserver Variability in Bladder Cancer Treatment Response Assessment With and Without Computerized Decision Support. Tomography, 2020, 6, 194-202.	1.8	13
25	Hazards of data leakage in machine learning: a study on classification of breast cancer using deep neural networks. , 2020, , .		8
26	Convolutional neural network-based decision support system for bladder cancer staging in CT urography: decision threshold estimation and validation. , 2020, , .		1
27	Hybrid deep-learning model for volume segmentation of lung nodules in CT images. , 2020, , .		0
28	Bladder wall segmentation using U-net based deep learning. , 2020, , .		0
29	Generating high resolution digital mammogram from digitized film mammogram with conditional generative adversarial network. , 2020, , .		2
30	Effect of source blur on digital breast tomosynthesis reconstruction. Medical Physics, 2019, 46, 5572-5592.	3.0	10
31	Deep Learning Approach for Assessment of Bladder Cancer Treatment Response. Tomography, 2019, 5, 201-208.	1.8	38
32	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.	2.9	7
33	Automated pectoral muscle identification on <scp>MLO</scp>â€view mammograms: Comparison of deep neural network to conventional computer vision. Medical Physics, 2019, 46, 2103-2114.	3.0	10
34	Uâ€Net based deep learning bladder segmentation in <scp>CT</scp> urography. Medical Physics, 2019, 46, 1752-1765.	3.0	50
35	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.	8.9	147
36	Diagnostic Accuracy of CT for Prediction of Bladder Cancer Treatment Response with and without Computerized Decision Support. Academic Radiology, 2019, 26, 1137-1145.	2.5	46

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37	Synthesizing mammogram from digital breast tomosynthesis. Physics in Medicine and Biology, 2019, 64, 045011.	3.0	9
38	Deep Learning for Mammographic Breast Density Assessment and Beyond. Radiology, 2019, 290, 59-60.	7.3	9
39	Deepâ€learning convolutional neural network: Inner and outer bladder wall segmentation in CT urography. Medical Physics, 2019, 46, 634-648.	3.0	15
40	Multi-path deep learning model for automated mammographic density categorization. , 2019, , .		3
41	2D and 3D bladder segmentation using U-Net-based deep-learning. , 2019, , .		4
42	Quantitative MRI biomarker for treatment response assessment of multiple myeloma: robustness evaluation using independent test set of prospective cases. , 2019, , .		0
43	Analysis of mammographic density as a predictor for breast cancer occurrence. , 2019, , .		0
44	Deep learning based bladder cancer treatment response assessment. , 2019, , .		0
45	Homogenization of breast MRI across imaging centers and feature analysis using unsupervised deep embedding. , 2019, , .		1
46	Analysis of deep convolutional features for detection of lung nodules in computed tomography. , 2019, , .		3
47	Bladder cancer staging in CT urography: estimation and validation of decision thresholds for a radiomics-based decision support system. , 2019, , .		0
48	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.	2.2	2
49	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.	3.0	74
50	Semiâ€automated pulmonary nodule interval segmentation using the <scp>NLST</scp> data. Medical Physics, 2018, 45, 1093-1107.	3.0	17
51	Detector Blur and Correlated Noise Modeling for Digital Breast Tomosynthesis Reconstruction. IEEE Transactions on Medical Imaging, 2018, 37, 116-127.	8.9	17
52	Computer-aided assessment of breast density: comparison of supervised deep learning and feature-based statistical learning. Physics in Medicine and Biology, 2018, 63, 025005.	3.0	44
53	Assessment of mammographic breast density after sleeve gastrectomy. Surgery for Obesity and Related Diseases, 2018, 14, 1643-1651.	1.2	3
54	Generalization error analysis: deep convolutional neural network in mammography. , 2018, , .		2

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55	Compression of deep convolutional neural network for computer-aided diagnosis of masses in digital breast tomosynthesis. , 2018, , .		1
56	Cross-domain and multi-task transfer learning of deep convolutional neural network for breast cancer diagnosis in digital breast tomosynthesis. , 2018, , .		9
57	Differentiating invasive and pre-invasive lung cancer by quantitative analysis of histopathologic images. , 2018, , .		1
58	Bladder cancer treatment response assessment with radiomic, clinical, and radiologist semantic features. , 2018, , .		0
59	Computer-aided detection of bladder wall thickening in CT urography (CTU). , 2018, , .		0
60	Bladder cancer treatment response assessment in CT urography using two-channel deep-learning network. , 2018, , .		1
61	Bladder cancer staging in CT urography: effect of stage labels on statistical modeling of a decision support system. , 2018, , .		0
62	Deep convolutional neural network for mammographic density segmentation. , 2018, , .		0
63	Fully automated pectoral muscle identification on MLO-view mammograms with deep convolutional neural network. , 2018, , .		1
64	Segmented separable footprint projector for digital breast tomosynthesis and its application for subpixel reconstruction. Medical Physics, 2017, 44, 986-1001.	3.0	4
65	Bladder cancer treatment response assessment using deep learning in CT with transfer learning. , 2017, , .		1
66	Segmentation of inner and outer bladder wall using deep-learning convolutional neural network in CT urography. Proceedings of SPIE, 2017, , .	0.8	10
67	Effects of detector blur and correlated noise on digital breast tomosynthesis reconstruction. , 2017, , .		2
68	Computerâ€aided detection of retained surgical needles from postoperative radiographs. Medical Physics, 2017, 44, 180-191.	3.0	3
69	Radiomic modeling of BI-RADS density categories. Proceedings of SPIE, 2017, , .	0.8	0
70	Quantitative analysis of CT attenuation distribution patterns of nodule components for pathologic categorization of lung nodules. Proceedings of SPIE, 2017, , .	0.8	1
71	Radiomics biomarkers for accurate tumor progression prediction of oropharyngeal cancer. Proceedings of SPIE, 2017, , .	0.8	1
72	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.	3.0	151

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73	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.	3.0	7
74	Bladder Cancer Treatment Response Assessment in CT using Radiomics with Deep-Learning. Scientific Reports, 2017, 7, 8738.	3.3	144
75	Urinary bladder cancer staging in <scp>CT</scp> urography using machine learning. Medical Physics, 2017, 44, 5814-5823.	3.0	79
76	Characterization of Breast Masses in Digital Breast Tomosynthesis and Digital Mammograms. Academic Radiology, 2017, 24, 1372-1379.	2.5	22
77	Identifying key radiogenomic associations between DCE-MRI and micro-RNA expressions for breast cancer. , 2017, , .		1
78	Breast Density Following Bariatric Surgery: Is BI-RADS the Answer?. Surgery for Obesity and Related Diseases, 2017, 13, S155-S156.	1.2	0
79	Computer-aided detection of bladder masses in CT urography (CTU). Proceedings of SPIE, 2017, , .	0.8	4
80	Bladder Cancer Segmentation in CT for Treatment Response Assessment: Application of Deep-Learning Convolution Neural Networkâ€"A Pilot Study. Tomography, 2016, 2, 421-429.	1.8	64
81	Best-Quality Vessel Identification Using Vessel Quality Measure in Multiple-Phase Coronary CT Angiography. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-13.	1.3	1
82	Computer-aided detection of bladder mass within non-contrast-enhanced region of CT Urography (CTU). Proceedings of SPIE, 2016, , .	0.8	1
83	Automatic detection of ureter lesions in CT urography. , 2016, , .		0
84	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.	3.0	19
85	Mass detection in digital breast tomosynthesis: Deep convolutional neural network with transfer learning from mammography. Medical Physics, 2016, 43, 6654-6666.	3.0	232
86	Coronary artery analysis: Computerâ€assisted selection of bestâ€quality segments in multipleâ€phase coronary CT angiography. Medical Physics, 2016, 43, 5268-5278.	3.0	2
87	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.	0.7	1
88	Urinary bladder segmentation in CT urography using deepâ€learning convolutional neural network and level sets. Medical Physics, 2016, 43, 1882-1896.	3.0	192
89	Reference state estimation of breast computed tomography for registration with digital mammography. Proceedings of SPIE, 2016, , .	0.8	0
90	Digital breast tomosynthesis reconstruction using spatially weighted non-convex regularization. Proceedings of SPIE, 2016, , .	0.8	4

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91	Deep-learning convolution neural network for computer-aided detection of microcalcifications in digital breast tomosynthesis. Proceedings of SPIE, 2016, , .	0.8	28
92	First and second-order features for detection of masses in digital breast tomosynthesis. Proceedings of SPIE, 2016, , .	0.8	1
93	Comment on â€œLarge area CMOS active pixel sensor xâ€ray imager for digital breast tomosynthesis: Analysis, modeling, and characterizationâ€•[Med. Phys. 42, 6294â€“6308 (2015)]. Medical Physics, 2016, 43, 1578-1579.	3.0	1
94	Computerized flow and vessel wall analyses of coronary arteries for detection of non-calcified plaques in coronary CT angiography. , 2016, , .		0
95	Comparison of bladder segmentation using deep-learning convolutional neural network with and without level sets. Proceedings of SPIE, 2016, , .	0.8	3
96	Automated identification of best-quality coronary artery segments from multiple-phase coronary CT angiography (cCTA) for vessel analysis. , 2016, , .		0
97	Automatic staging of bladder cancer on CT urography. , 2016, , .		0
98	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, 449-457.	7.3	7
99	Multiscale bilateral filtering for improving image quality in digital breast tomosynthesis. Medical Physics, 2015, 42, 182-195.	3.0	20
100	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, 8457-8479.	3.0	28
101	Computer-aided detection of bladder mass within contrast-enhanced region of CTU. , 2015, , .		0
102	Robustness evaluation of a computer-aided detection system for pulmonary embolism (PE) in CTPA using independent test set from multiple institutions. Proceedings of SPIE, 2015, , .	0.8	2
103	Ureter segmentation in CT urography (CTU) by COMPASS with multiscale Hessian enhancement. Proceedings of SPIE, 2015, , .	0.8	0
104	Quantitative analysis of arterial flow properties for detection of non-calcified plaques in ECG-gated coronary CT angiography. Proceedings of SPIE, 2015, , .	0.8	0
105	Automatic selection of best quality vessels from multiple-phase coronary CT angiography (cCTA). , 2015, , .		1
106	Computer aided detection of surgical retained foreign object for prevention. Medical Physics, 2015, 42, 1213-1222.	3.0	6
107	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, 348-352.	2.2	7
108	Comparison of computer-aided detection of clustered microcalcifications in digital mammography and digital breast tomosynthesis. Proceedings of SPIE, 2015, , .	0.8	1

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109	Digital breast tomosynthesis: application of 2D digital mammography CAD to detection of microcalcification clusters on planar projection image. , 2015, , .		0
110	Novel Associations between Common Breast Cancer Susceptibility Variants and Risk-Predicting Mammographic Density Measures. Cancer Research, 2015, 75, 2457-2467.	0.9	55
111	Detection of urinary bladder mass in CT urography with SPAN. Medical Physics, 2015, 42, 4271-4284.	3.0	10
112	Response. Radiology, 2015, 275, 619.	7.3	0
113	Digital breast tomosynthesis: computer-aided detection of clustered microcalcifications on planar projection images. Physics in Medicine and Biology, 2014, 59, 7457-7477.	3.0	32
114	Coronary CT angiography (cCTA): automated registration of coronary arterial trees from multiple phases. Physics in Medicine and Biology, 2014, 59, 4661-4680.	3.0	9
115	Comparison of CLASS and ITK-SNAP in segmentation of urinary bladder in CT urography. Proceedings of SPIE, 2014, , .	0.8	0
116	COMPASS-based ureter segmentation in CT urography (CTU). Proceedings of SPIE, 2014, , .	0.8	0
117	Computerized luminal analysis for detection of non-calcified plaques in coronary CT angiography. Proceedings of SPIE, 2014, , .	0.8	0
118	False positive reduction of microcalcification cluster detection in digital breast tomosynthesis. Proceedings of SPIE, 2014, , .	0.8	3
119	Automated identification of spinal cord and vertebras on sagittal MRI. Proceedings of SPIE, 2014, , .	0.8	0
120	Digital breast tomosynthesis: effects of projection-view distribution on computer-aided detection of microcalcification clusters. Proceedings of SPIE, 2014, , .	0.8	3
121	Segmentation of urinary bladder in CT urography (CTU) using CLASS with enhanced contour conjoint procedure. Proceedings of SPIE, 2014, , .	0.8	0
122	Computerâ€aided detection of clustered microcalcifications in multiscale bilateral filtering regularized reconstructed digital breast tomosynthesis volume. Medical Physics, 2014, 41, 021901.	3.0	25
123	Computerized detection of noncalcified plaques in coronary CT angiography: Evaluation of topological soft gradient prescreening method and luminal analysis. Medical Physics, 2014, 41, 081901.	3.0	23
124	Multichannel response analysis on 2D projection views for detection of clustered microcalcifications in digital breast tomosynthesis. Medical Physics, 2014, 41, 041913.	3.0	17
125	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, 675-685.	7.3	47
126	Computerized analysis of coronary artery disease: Performance evaluation of segmentation and tracking of coronary arteries in CT angiograms. Medical Physics, 2014, 41, 081912.	3.0	12

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127	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, 5883-5902.	3.0	37
128	Surgical retained foreign object (RFO) prevention by computer aided detection (CAD). Proceedings of SPIE, 2014, , .	0.8	1
129	CT urography: segmentation of urinary bladder using CLASS with local contour refinement. Physics in Medicine and Biology, 2014, 59, 2767-2785.	3.0	15
130	Genome-wide association study identifies multiple loci associated with both mammographic density and breast cancer risk. Nature Communications, 2014, 5, 5303.	12.8	109
131	Ureter tracking and segmentation in CT urography (CTU) using COMPASS. Medical Physics, 2014, 41, 121906.	3.0	2
132	Digital breast tomosynthesis reconstruction with an adaptive voxel grid. , 2014, , .		1
133	A similarity study of contentâ€based image retrieval system for breast cancer using decision tree. Medical Physics, 2013, 40, 012901.	3.0	8
134	087001.	3.0	102
135	Quality assurance and training procedures for computerâ€aided detection and diagnosis systems in	3.0	22
136	Auto-Initialized Cascaded Level Set (AI-CALS) Segmentation of Bladder Lesions on Multidetector Row CT Urography. Academic Radiology, 2013, 20, 148-155.	2.5	31
137	Automatic identification of origins of left and right coronary arteries in CT angiography for coronary arterial tree tracking and plaque detection. Proceedings of SPIE, 2013, , .	0.8	1
138	Detection of microcalcifications in breast tomosynthesis reconstructed with multiscale bilateral filtering regularization. , 2013, , .		4
139	Neural network training by maximization of the area under the ROC curve: application to characterization of masses on breast ultrasound as malignant or benign. Proceedings of SPIE, 2013, , .	0.8	1
140	Computerized detection of non-calcified plaques in coronary CT angiography: topological soft-gradient detection method for plaque prescreening. , 2013, , .		1
141	Multiscale intensity homogeneity transformation method and its application to computer-aided detection of pulmonary embolism in computed tomographic pulmonary angiography (CTPA). Proceedings of SPIE, 2013, , .	0.8	0
142	Automated registration of coronary arterial trees from multiple phases in coronary CT angiography (cCTA). Proceedings of SPIE, 2013, , .	0.8	3
143	Curved planar reformation and optimal path tracing (CROP) method for false positive reduction in computer-aided detection of pulmonary embolism in CTPA. , 2013, , .		0
144	Study of image quality in digital breast tomosynthesis by subpixel reconstruction. , 2013, , .		2

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145	Computerized segmentation of ureters in CT urography (CTU) using COMPASS. , 2013, , .		1
146	Urinary bladder segmentation in CT urography (CTU) using CLASS. Medical Physics, 2013, 40, 111906.	3.0	12
147	A diffusion-based truncated projection artifact reduction method for iterative digital breast tomosynthesis reconstruction. Physics in Medicine and Biology, 2013, 58, 569-587.	3.0	15
148	Automated iterative neutrosophic lung segmentation for image analysis in thoracic computed tomography. Medical Physics, 2013, 40, 081912.	3.0	36
149	Aromatase inhibitor-induced modulation of breast density: clinical and genetic effects. British Journal of Cancer, 2013, 109, 2331-2339.	6.4	25
150	Breast Mass Characterization Using 3â€Dimensional Automated Ultrasound as an Adjunct to Digital Breast Tomosynthesis. Journal of Ultrasound in Medicine, 2013, 32, 93-104.	1.7	22
151	Automatic seed point identification and main artery segmentation for pulmonary vascular tree segmentation and tracking in computed tomographic pulmonary angiography (CTPA). Proceedings of SPIE, 2012, , .	0.8	0
152	Segmentation of urinary bladder in CT urography. , 2012, 2012, 3978-81.		0
153	Computer-aided detection of microcalcifications in digital breast tomosynthesis (DBT): a multichannel signal detection approach on projection views. Proceedings of SPIE, 2012, , .	0.8	1
154	Segmentation of urinary bladder in CT urography (CTU) using CLASS. Proceedings of SPIE, 2012, , .	0.8	4
155	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. Proceedings of SPIE, 2012, , .	0.8	1
156	Interactive content-based image retrieval (CBIR) computer-aided diagnosis (CADx) system for ultrasound breast masses using relevance feedback. , 2012, , .		3
157	Pulmonary vessel segmentation utilizing curved planar reformation and optimal path finding (CROP) in computed tomographic pulmonary angiography (CTPA) for CAD applications. Proceedings of SPIE, 2012, , .	0.8	7
158	Digital Breast Tomosynthesis Is Comparable to Mammographic Spot Views for Mass Characterization. Radiology, 2012, 262, 61-68.	7.3	142
159	Multiscale regularized reconstruction for enhancing microcalcification in digital breast tomosynthesis. Proceedings of SPIE, 2012, , .	0.8	6
160	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.	5.8	48
161	Inter- and Intra-Observer Variability of Radiologists Evaluating CBIR Systems. Lecture Notes in Computer Science, 2012, , 482-489.	1.3	3
162	Improving Image Quality of Digital Breast Tomosynthesis by Artifact Reduction. Lecture Notes in Computer Science, 2012, , 745-752.	1.3	1

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163	Breast Parenchymal Pattern (BPP) Analysis: Comparison of Digital Mammograms and Breast Tomosynthesis. Lecture Notes in Computer Science, 2012, , 514-520.	1.3	0
164	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.	3.0	0
165	BI-RADS guided mammographic mass retrieval. Proceedings of SPIE, 2011, , .	0.8	4
166	Computerâ€aided detection of breast masses: Fourâ€view strategy for screening mammography. Medical Physics, 2011, 38, 1867-1876.	3.0	25
167	Similarity evaluation between query and retrieved masses using a content-based image retrieval (CBIR) CADx system for characterization of breast masses on ultrasound images: an observer study. Proceedings of SPIE, 2011, , .	0.8	0
168	Study of adaptability of breast density analysis system developed for screen film mammograms (SFMs) to full-field digital mammograms (FFDMs): robustness of parenchymal texture analysis. , 2011, , .		0
169	Computerized detection of pulmonary embolism in computed tomographic pulmonary angiography (CTPA): improvement of vessel segmentation. Proceedings of SPIE, 2011, , .	0.8	0
170	Computer-aided detection of breast masses in digital breast tomosynthesis (DBT): improvement of false positive reduction by optimization of object segmentation. Proceedings of SPIE, 2011, , .	0.8	6
171	Analysis of the number of distinct findings obtained by multiple readers in an MRMC study: When do findings obtained from the addition of new readers become redundant, or otherwise negligible?. , 2011, , .		0
172	Image quality of microcalcifications in digital breast tomosynthesis: Effects of projection-view distributions. Medical Physics, 2011, 38, 5703-5712.	3.0	33
173	Computer-aided detection of clustered microcalcifications in digital breast tomosynthesis: A 3D approach. Medical Physics, 2011, 39, 28-39.	3.0	49
174	Similarity evaluation in a contentâ€based image retrieval (CBIR) CADx system for characterization of breast masses on ultrasound images. Medical Physics, 2011, 38, 1820-1831.	3.0	24
175	Adaptive diffusion regularization for enhancement of microcalcifications in digital breast tomosynthesis (DBT) reconstruction. Proceedings of SPIE, 2011, , .	0.8	7
176	Association of Computerized Mammographic Parenchymal Pattern Measure with Breast Cancer Risk: A Pilot Case-Control Study. Radiology, 2011, 260, 42-49.	7.3	75
177	Dynamic multiple thresholding breast boundary detection algorithm for mammograms. Medical Physics, 2010, 37, 391-401.	3.0	16
178	Digital breast tomosynthesis: computerized detection of microcalcifications in reconstructed breast volume using a 3D approach. Proceedings of SPIE, 2010, , .	0.8	1
179	Interobserver variability effects on computerized volume analysis of treatment response of head and neck lesions in CT. , 2010, , .		0
180	Digital breast tomosynthesis: feasibility of automated detection of microcalcification clusters on projections views. , 2010, , .		1

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181	Computerized image analysis: Textureâ€field orientation method for pectoral muscle identification on MLOâ€view mammograms. Medical Physics, 2010, 37, 2289-2299.	3.0	16
182	Characterization of masses in digital breast tomosynthesis: Comparison of machine learning in projection views and reconstructed slices. Medical Physics, 2010, 37, 3576-3586.	3.0	28
183	Effect of finite sample size on feature selection and classification: A simulation study. Medical Physics, 2010, 37, 907-920.	3.0	53
184	Selectiveâ€diffusion regularization for enhancement of microcalcifications in digital breast tomosynthesis reconstruction. Medical Physics, 2010, 37, 6003-6014.	3.0	35
185	Association of a mammographic parenchymal pattern (MPP) descriptor with breast cancer risk: a case-control study. , 2010, , .		1
186	Automated segmentation and tracking of coronary arteries in cardiac CT scans: comparison of performance with a clinically used commercial software. Proceedings of SPIE, 2010, , .	0.8	2
187	Effects of projection-view distributions on image quality of calcifications in digital breast tomosynthesis (DBT) reconstruction. Proceedings of SPIE, 2010, , .	0.8	2
188	Treatment Response Assessment of Head and Neck Cancers on CT Using Computerized Volume Analysis. American Journal of Neuroradiology, 2010, 31, 1744-1751.	2.4	16
189	Head and Neck Cancers on CT: Preliminary Study of Treatment Response Assessment Based on Computerized Volume Analysis. American Journal of Roentgenology, 2010, 194, 1083-1089.	2.2	13
190	Computer-Aided Diagnosis of Lung Nodules on CT Scans:. Academic Radiology, 2010, 17, 323-332.	2.5	39
191	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, 3107-3121.	3.0	11
192	A new automated method for the segmentation and characterization of breast masses on ultrasound images. Medical Physics, 2009, 36, 1553-1565.	3.0	34
193	Computerâ€aided diagnosis of pulmonary nodules on CT scans: Improvement of classification performance with nodule surface features. Medical Physics, 2009, 36, 3086-3098.	3.0	128
194	Multi-modality CADx. Academic Radiology, 2009, 16, 810-818.	2.5	29
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