

Kenji Suzuki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4307924/publications.pdf>

Version: 2024-02-01

210
papers

7,533
citations

61687

45
h-index

66518

82
g-index

219
all docs

219
docs citations

219
times ranked

6779
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Recurrent Entropy Adaptive Model for System Reliability Monitoring. IEEE Transactions on Industrial Informatics, 2021, 17, 839-848.	7.2	45
2	Prediction of genetically-evaluated tumour responses to chemotherapy from breast MRI using machine learning with model selection. Journal of Physics: Conference Series, 2021, 1780, 012040.	0.3	1
3	Semantic Segmentation of Liver Tumor in Contrast-enhanced Hepatic CT by Using Deep Learning with Hessian-based Enhancer with Small Training Dataset Size. , 2021, , .		2
4	The Oxygen Reserve Index as a determinant of the necessary amount of postoperative supplemental oxygen. Minerva Anesthesiologica, 2021, 87, 439-447.	0.6	8
5	Massive-Training Artificial Neural Network (Mtann) With Special Kernel For Artifact Reduction In Fast-Acquisition Mri Of The Knee. , 2021, , .		0
6	Computer-aided diagnosis with a convolutional neural network algorithm for automated detection of urinary tract stones on plain X-ray. BMC Urology, 2021, 21, 102.	0.6	10
7	Corruption of the JSAPIMS Database. What Can We Learn from the 2,600 Lost Cases?. The Journal of Japan Society for Clinical Anesthesia, 2020, 40, 363-365.	0.0	0
8	A deep CNN based transfer learning method for false positive reduction. Multimedia Tools and Applications, 2019, 78, 1017-1033.	2.6	86
9	Separation of bones from soft tissue in chest radiographs: Anatomy-specific orientation-frequency-specific deep neural network convolution. Medical Physics, 2019, 46, 2232-2242.	1.6	20
10	Measuring System Entropy with a Deep Recurrent Neural Network Model. , 2019, , .		4
11	Anesthetic management of a surgical patient with an acute aortic dissection complicated by hemoglobin Kansas. JA Clinical Reports, 2019, 5, 69.	0.2	0
12	Development of Deep-learning Segmentation for Breast Cancer in MR Images based on Neural Network Convolution. , 2019, , .		2
13	A Comparative Study of Modern Machine Learning Approaches for Focal Lesion Detection and Classification in Medical Images: BoVW, CNN and MTANN. Intelligent Systems Reference Library, 2018, , 31-58.	1.0	4
14	Anesthetic management for a patient with aortic stenosis who underwent transcatheter aortic valve implantation after introduction of percutaneous cardiopulmonary support. JA Clinical Reports, 2018, 4, 30.	0.2	0
15	Monitoring the Oxygen Reserve Index can contribute to the early detection of deterioration in blood oxygenation during one-lung ventilation. Minerva Anesthesiologica, 2018, 84, 1063-1069.	0.6	23
16	Deep Neural Network Convolution for Natural Image Denoising. , 2018, , .		1
17	Mixture of Deep-Learning Experts for Separation of Bones from Soft Tissue in Chest Radiographs. , 2018, , .		0
18	Radiation dose reduction in digital breast tomosynthesis (DBT) by means of deep-learning-based supervised image processing. , 2018, , .		20

#	ARTICLE	IF	CITATIONS
19	Deep neural network convolution (NNC) for three-class classification of diffuse lung disease opacities in high-resolution CT (HRCT): Consolidation, ground-glass opacity (GGO), and normal opacity. , 2018, , .		4
20	Introduction to Binary Coordinate Ascent: New Insights into Efficient Feature Subset Selection for Machine Learning. Intelligent Systems Reference Library, 2018, , 59-83.	1.0	2
21	Massive-Training Support Vector Regression With Feature Selection in Application of Computer-Aided Detection of Polyps in CT Colonography. Advances in Medical Diagnosis, Treatment, and Care, 2018, , 153-190.	0.1	2
22	Reduction in training time of a deep learning model in detection of lesions in CT. , 2018, , .		0
23	Radiation dose reduction in digital breast tomosynthesis (DBT) by means of neural network convolution (NNC) deep learning. , 2018, , .		3
24	Efficient tree-structured SfM by RANSAC generalized Procrustes analysis. Computer Vision and Image Understanding, 2017, 157, 179-189.	3.0	14
25	Computer-Aided Detection of Lung Cancer. , 2017, , 9-40.		7
26	Neural Network Convolution (NNC) for Converting Ultra-Low-Dose to "Virtual" High-Dose CT Images. Lecture Notes in Computer Science, 2017, , 334-343.	1.0	8
27	Overview of deep learning in medical imaging. Radiological Physics and Technology, 2017, 10, 257-273.	1.0	628
28	Comparing two classes of end-to-end machine-learning models in lung nodule detection and classification: MTANNs vs. CNNs. Pattern Recognition, 2017, 63, 476-486.	5.1	143
29	Fully automated MR liver volumetry using watershed segmentation coupled with active contouring. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 235-243.	1.7	21
30	A combinational algorithm for connected-component labeling and Euler number computing. Journal of Real-Time Image Processing, 2017, 13, 703-712.	2.2	3
31	Machine Learning Applications in Medical Image Analysis. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-2.	0.7	9
32	Perioperative management of a pregnant patient with mediastinal tumor complicated by tuberculosis. JA Clinical Reports, 2017, 3, 66.	0.2	1
33	Many Is Better Than One: An Integration of Multiple Simple Strategies for Accurate Lung Segmentation in CT Images. BioMed Research International, 2016, 2016, 1-13.	0.9	17
34	Enhancement of chest radiographs obtained in the intensive care unit through bone suppression and consistent processing. Physics in Medicine and Biology, 2016, 61, 2283-2301.	1.6	19
35	A comparative analysis of the effects of sevoflurane and propofol on cerebral oxygenation during steep Trendelenburg position and pneumoperitoneum for robotic-assisted laparoscopic prostatectomy. Journal of Anesthesia, 2016, 30, 949-955.	0.7	30
36	Binary coordinate ascent: An efficient optimization technique for feature subset selection for machine learning. Knowledge-Based Systems, 2016, 110, 191-201.	4.0	43

#	ARTICLE	IF	CITATIONS
37	A New Connected-Component Labeling Algorithm. International Journal of Advanced Network, Monitoring, and Controls, 2016, 1, .	0.2	0
38	Cerebral oxygenation measured by near-infrared spectroscopy and jugular vein oxygen saturation during robotic-assisted laparoscopic radical prostatectomy under total intravenous anaesthesia. International Journal of Medical Robotics and Computer Assisted Surgery, 2015, 11, 302-307.	1.2	5
39	A New Approach to Segment Both Main and Peripheral Retinal Vessels Based on Gray-Voting and Gaussian Mixture Model. PLoS ONE, 2015, 10, e0127748.	1.1	52
40	A joint ROI extraction filter for computer aided lung nodule detection. Bio-Medical Materials and Engineering, 2015, 26, S1491-S1499.	0.4	2
41	Machine learning in medical imaging. Computerized Medical Imaging and Graphics, 2015, 41, 1-2.	3.5	27
42	Development of Computer-Aided Diagnostic (CADx) System for Distinguishing Neoplastic from Nonneoplastic Lesions in CT Colonography (CTC): Toward CTC beyond Detection. , 2015, , .		5
43	An Automatic Method for Lung Segmentation in Thin Slice Computed Tomography Based on Random Walks. Journal of Medical Imaging and Health Informatics, 2015, 5, 303-308.	0.2	0
44	Computerized Detection of Lesions in Diagnostic Images. , 2015, , 101-131.		0
45	Quantitative radiology: automated measurement of polyp volume in computed tomography colonography using Hessian matrix-based shape extraction and volume growing. Quantitative Imaging in Medicine and Surgery, 2015, 5, 673-84.	1.1	1
46	A new method based on MTANNs for cutting down false-positives: An evaluation on different versions of commercial pulmonary nodule detection CAD software. Bio-Medical Materials and Engineering, 2014, 24, 2839-2846.	0.4	3
47	A new method for false-positive reduction in detection of lung nodules in CT images. , 2014, , .		4
48	Mining of Training Samples for Multiple Learning Machines in Computer-Aided Detection of Lesions in CT Images. , 2014, , .		1
49	Computational Intelligence in Biomedical Imaging. , 2014, , .		5
50	Pixel-based Machine Learning in Computer-Aided Diagnosis of Lung and Colon Cancer. Intelligent Systems Reference Library, 2014, , 81-112.	1.0	3
51	Quantitative analysis of rib movement based on dynamic chest bone images: preliminary results. Proceedings of SPIE, 2014, , .	0.8	2
52	Configuration-Transition-Based Connected-Component Labeling. IEEE Transactions on Image Processing, 2014, 23, 943-951.	6.0	97
53	Separation of Bones From Chest Radiographs by Means of Anatomically Specific Multiple Massive-Training ANNs Combined With Total Variation Minimization Smoothing. IEEE Transactions on Medical Imaging, 2014, 33, 246-257.	5.4	40
54	Computerized Liver Volumetry on MRI by Using 3D Geodesic Active Contour Segmentation. American Journal of Roentgenology, 2014, 202, 152-159.	1.0	38

#	ARTICLE	IF	CITATIONS
55	Max-AUC Feature Selection in Computer-Aided Detection of Polyps in CT Colonography. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 585-593.	3.9	39
56	Guest Editorial: Special issue on advanced computing for image-guided intervention. Neurocomputing, 2014, 144, 1-2.	3.5	0
57	Liver Volumetry in MRI by Using Fast Marching Algorithm Coupled with 3D Geodesic Active Contour Segmentation. , 2014, , 141-157.		3
58	Bone Suppression in Chest Radiographs by Means of Anatomically Specific Multiple Massive-Training ANNs Combined with Total Variation Minimization Smoothing and Consistency Processing. , 2014, , 211-235.		3
59	Evidence based imaging strategies for solitary pulmonary nodule. Journal of Thoracic Disease, 2014, 6, 872-87.	0.6	28
60	Relative income of clinical faculty members vs. science faculty members in university settings-a short survey of France, Hong Kong, India, Japan, South Korea, The Netherlands, Taiwan, UK, and USA. Quantitative Imaging in Medicine and Surgery, 2014, 4, 500-1.	1.1	6
61	Computerized Detection of Lung Nodules by Means of "Virtual Dual-Energy" Radiography. IEEE Transactions on Biomedical Engineering, 2013, 60, 369-378.	2.5	59
62	An Algorithm for Connected-Component Labeling, Hole Labeling and Euler Number Computing. Journal of Computer Science and Technology, 2013, 28, 468-478.	0.9	96
63	Machine learning in medical imaging. Machine Vision and Applications, 2013, 24, 1327-1329.	1.7	6
64	Machine Learning in Medical Imaging. Lecture Notes in Computer Science, 2013, , .	1.0	24
65	Computerized segmentation of liver in hepatic CT and MRI by means of level-set geodesic active contouring. , 2013, 2013, 2984-7.		6
66	Effect of CADe on radiologists'™ performance in detection of "difficult" polyps in CT colonography. , 2013, , .		0
67	Lung Imaging Data Analysis. International Journal of Biomedical Imaging, 2013, 2013, 1-2.	3.0	1
68	Computer-Aided Diagnosis Systems for Lung Cancer: Challenges and Methodologies. International Journal of Biomedical Imaging, 2013, 2013, 1-46.	3.0	158
69	Lung cancer with scattered consolidation: detection of new independent radiological category of peripheral lung cancer on thin-section computed tomography. Interactive Cardiovascular and Thoracic Surgery, 2013, 16, 445-449.	0.5	28
70	Machine Learning in Computer-Aided Diagnosis of the Thorax and Colon in CT: A Survey. IEICE Transactions on Information and Systems, 2013, E96.D, 772-783.	0.4	34
71	A Computer Aided Pulmonary Nodule Detection System Using Multiple Massive Training SVMs. Applied Mathematics and Information Sciences, 2013, 7, 1165-1172.	0.7	13
72	Artificial Neural Networks - Architectures and Applications. , 2013, , .		65

#	ARTICLE	IF	CITATIONS
73	A Novel Two-Scan Connected-Component Labeling Algorithm. Lecture Notes in Electrical Engineering, 2013, , 445-459.	0.3	3
74	Machine Learning in Medical Imaging. International Journal of Biomedical Imaging, 2012, 2012, 1-2.	3.0	13
75	Pixel-Based Machine Learning in Medical Imaging. International Journal of Biomedical Imaging, 2012, 2012, 1-18.	3.0	51
76	A multilayered partitioning image registration method for chest-radiograph temporal subtraction. , 2012, , .		0
77	A mutual-information-based image registration method for chest-radiograph temporal subtraction. , 2012, , .		0
78	Computer-aided detection of polyps in CT colonography by means of AdaBoost. , 2012, , .		0
79	Maximal partial AUC feature selection in computer-aided detection of hepatocellular carcinoma in contrast-enhanced hepatic CT. , 2012, , .		1
80	A New First-Scan Method for Two-Scan Labeling Algorithms. IEICE Transactions on Information and Systems, 2012, E95.D, 2142-2145.	0.4	2
81	Prognostic Value of the Quantitative Metabolic Volumetric Measurement on 18F-FDG PET/CT in Stage IV Nonsurgical Small-cell Lung Cancer. Academic Radiology, 2012, 19, 69-77.	1.3	101
82	Machine Learning in Medical Imaging. Lecture Notes in Computer Science, 2012, , .	1.0	5
83	Prognostic value of metabolic tumor burden on 18F-FDG PET in nonsurgical patients with non-small cell lung cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 27-38.	3.3	255
84	A review of computer-aided diagnosis in thoracic and colonic imaging. Quantitative Imaging in Medicine and Surgery, 2012, 2, 163-76.	1.1	54
85	Computer-Aided Detection of Polyps in CT Colonography by Means of Feature Selection and Massive-Training Support Vector Regression. Advances in Bioinformatics and Biomedical Engineering Book Series, 2012, , 178-201.	0.2	0
86	Computerized Detection of Lung Nodules on Chest Radiographs. Advances in Bioinformatics and Biomedical Engineering Book Series, 2012, , 122-144.	0.2	0
87	A New Computer Aided Detection System for Pulmonary Nodule Detection in Chest Radiography. Advanced Science Letters, 2012, 11, 536-541.	0.2	1
88	A Mutual-Information-Based Global Matching Method for Chest-Radiography Temporal Subtraction. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2012, 16, 841-850.	0.5	0
89	A spinning tangent based CAD system for detection of flat lesions in CT colonography. , 2011, , .		1
90	Pixel-Based Artificial Neural Networks in Computer-Aided Diagnosis. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
91	Massive-training support vector regression and Gaussian process for false-positive reduction in computer-aided detection of polyps in CT colonography. Medical Physics, 2011, 38, 1888-1902.	1.6	39
92	Improved computerized detection of lung nodules in chest radiographs by means of 'virtual dual-energy' radiography. Proceedings of SPIE, 2011, , .	0.8	1
93	Computer-aided detection of hepatocellular carcinoma in multiphase contrast-enhanced hepatic CT: a preliminary study. , 2011, , .		2
94	Artificial Neural Networks - Methodological Advances and Biomedical Applications. , 2011, , .		85
95	Lack of association between orexin receptor gene polymorphisms and obstructive sleep apnea syndrome in Japanese. Sleep and Biological Rhythms, 2011, 9, 73-77.	0.5	1
96	Two Efficient Label-Equivalence-Based Connected-Component Labeling Algorithms for 3-D Binary Images. IEEE Transactions on Image Processing, 2011, 20, 2122-2134.	6.0	86
97	Computed tomography liver volumetry using 3-dimensional image data in living donor liver transplantation: Effects of the slice thickness on the volume calculation. Liver Transplantation, 2011, 17, 1427-1436.	1.3	34
98	Quantitative Radiology: Automated CT Liver Volumetry Compared With Interactive Volumetry and Manual Volumetry. American Journal of Roentgenology, 2011, 197, W706-W712.	1.0	103
99	Computer-aided detection of hepatocellular carcinoma in hepatic CT: False positive reduction with feature selection. , 2011, , .		6
100	Temporal subtraction of 'virtual dual-energy' chest radiographs for improved conspicuity of growing cancers and other pathologic changes. , 2011, , .		1
101	Development and evaluation of a computer-aided diagnostic scheme for lung nodule detection in chest radiographs by means of two-stage nodule enhancement with support vector classification. Medical Physics, 2011, 38, 1844-1858.	1.6	65
102	Computer-Aided Diagnosis in Computed Tomographic Colonography. , 2011, , 163-182.		3
103	Computer-Aided Detection of Polyps in CT Colonography with Pixel-Based Machine Learning Techniques. Lecture Notes in Computer Science, 2011, , 360-367.	1.0	1
104	False-Positive Reduction in Computer-Aided Detection of Polyps in CT Colonography: A Massive-Training Support Vector Regression Approach. Lecture Notes in Computer Science, 2011, , 47-52.	1.0	3
105	Artificial Neural Networks - Industrial and Control Engineering Applications. , 2011, , .		28
106	Computerized Segmentation of Organs by Means of Geodesic Active-Contour Level-Set Algorithm. , 2011, , 103-128.		1
107	CT colonography: Advanced computer-aided detection scheme utilizing MTANNs for detection of missed polyps in a multicenter clinical trial. Medical Physics, 2010, 37, 12-21.	1.6	41
108	A global registration method for temporal subtraction of chest radiographs. Proceedings of SPIE, 2010, , .	0.8	0

#	ARTICLE	IF	CITATIONS
109	An efficient run-based connected-component labeling algorithm for three-dimensional binary images. Proceedings of SPIE, 2010, , .	0.8	2
110	CT liver volumetry using geodesic active contour segmentation with a level-set algorithm. , 2010, , .		4
111	Flat lesions in CT colonography. Abdominal Imaging, 2010, 35, 578-583.	2.0	29
112	Massive-Training Artificial Neural Network Coupled With Laplacian-Eigenfunction-Based Dimensionality Reduction for Computer-Aided Detection of Polyps in CT Colonography. IEEE Transactions on Medical Imaging, 2010, 29, 1907-1917.	5.4	65
113	An efficient first-scan method for label-equivalence-based labeling algorithms. Pattern Recognition Letters, 2010, 31, 28-35.	2.6	111
114	Massive-Training Artificial Neural Networks (MTANN) in Computer-Aided Detection of Colorectal Polyps and Lung Nodules in CT. , 2010, , .		0
115	Hessian Matrix-Based Shape Extraction and Volume Growing for 3D Polyp Segmentation in CT Colonography. , 2010, , .		0
116	Automated scheme for measuring polyp volume in CT colonography using Hessian matrix-based shape extraction and 3D volume growing. Proceedings of SPIE, 2010, , .	0.8	0
117	Comparison of 2D and 3D Views for Evaluation of Flat Lesions in CT Colonography. Academic Radiology, 2010, 17, 39-47.	1.3	20
118	A RUN-BASED ONE-AND-A-HALF-SCAN CONNECTED-COMPONENT LABELING ALGORITHM. International Journal of Pattern Recognition and Artificial Intelligence, 2010, 24, 557-579.	0.7	29
119	Computer-aided measurement of liver volumes in CT by means of geodesic active contour segmentation coupled with level-set algorithms. Medical Physics, 2010, 37, 2159-2166.	1.6	95
120	Principal-Component Massive-Training Machine-Learning Regression for False-Positive Reduction in Computer-Aided Detection of Polyps in CT Colonography. Lecture Notes in Computer Science, 2010, , 182-189.	1.0	4
121	TU-2004-03: Machine Learning for Medical Image Processing and Pattern Recognition. Medical Physics, 2010, 37, 3396-3396.	1.6	0
122	Reducing FPs in Nodule Detection Using Neural Networks Ensemble. , 2009, , .		3
123	Performance of Radiologists in Detection of Small Pulmonary Nodules on Chest Radiographs: Effect of Rib Suppression With a Massive-Training Artificial Neural Network. American Journal of Roentgenology, 2009, 193, W397-W402.	1.0	54
124	A supervised "lesion-enhancement" filter by use of a massive-training artificial neural network (MTANN) in computer-aided diagnosis (CAD). Physics in Medicine and Biology, 2009, 54, S31-S45.	1.6	63
125	Diffusion-weighted MRI: A new tool for the diagnosis of fistula in ano. Journal of Magnetic Resonance Imaging, 2009, 30, 1021-1026.	1.9	88
126	Optimizing two-pass connected-component labeling algorithms. Pattern Analysis and Applications, 2009, 12, 117-135.	3.1	280

#	ARTICLE	IF	CITATIONS
127	Fast connected-component labeling. Pattern Recognition, 2009, 42, 1977-1987.	5.1	344
128	A CAD utilizing 3D massive-training ANNs for detection of flat lesions in CT colonography: preliminary results. Proceedings of SPIE, 2009, , .	0.8	2
129	A Run-Based One-Scan Labeling Algorithm. Lecture Notes in Computer Science, 2009, , 93-102.	1.0	9
130	A Genetic-Algorithm-Based Temporal Subtraction for Chest Radiographs. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2009, 13, 289-296.	0.5	5
131	SU-FF-I-03: Computer-Aided Diagnostic Scheme for Detection of Hepatocellular Carcinoma in Contrast-Enhanced Hepatic CT: Preliminary Results. Medical Physics, 2009, 36, 2434-2434.	1.6	2
132	TH-C-304A-10: Computer-Aided Measurement of Liver Volumes in CT by Means of Fast-Marching and Level-Set Segmentation. Medical Physics, 2009, 36, 2805-2805.	1.6	0
133	Survey on Neural Networks Used for Medical Image Processing. International Journal of Computational Science, 2009, 3, 86-100.	1.0	9
134	Supervised enhancement of lung nodules by use of a massive-training artificial neural network (MTANN) in computer-aided diagnosis (CAD). , 2008, , .		7
135	A Run-Based Two-Scan Labeling Algorithm. IEEE Transactions on Image Processing, 2008, 17, 749-756.	6.0	269
136	An MTANN CAD for detection of polyps in false-negative CT colonography cases in a large multicenter clinical trial: preliminary results. Proceedings of SPIE, 2008, , .	0.8	1
137	Computerized assessment of coronary calcified plaques in CT images of a dynamic cardiac phantom. , 2008, , .		1
138	Massive-training artificial neural networks for CAD for detection of polyps in CT colonography: False-negative cases in a large multicenter clinical trial. , 2008, , .		2
139	Segmentation of Lesions with Improved Specificity in Computer-Aided Diagnosis Using a Massive-Training Artificial Neural Network (MTANN). , 2008, , .		1
140	Computer-Aided Diagnosis. , 2008, , 359-XXII.		23
141	Mixture of expert 3D massive-training ANNs for reduction of multiple types of false positives in CAD for detection of polyps in CT colonography. Medical Physics, 2008, 35, 694-703.	1.6	89
142	A High-Speed Run-Based Two-Scan Labeling Algorithm. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2008, 62, 1461-1465.	0.0	3
143	WE-C-332-09: Effect of Massive-Training ANNs On the Performance of a CAD System On "omitted" Polyps in CT Colonography. Medical Physics, 2008, 35, 2941-2941.	1.6	0
144	Image quality evaluation of motion-contaminated calcified plaques in cardiac CT. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
145	CT Colonography: False-Negative Interpretations. Radiology, 2007, 244, 165-173.	3.6	86
146	Determination of subjective similarity for pairs of masses and pairs of clustered microcalcifications on mammograms: Comparison of similarity ranking scores and absolute similarity ratings. Medical Physics, 2007, 34, 2890-2895.	1.6	37
147	Computerized assessment of motion-contaminated calcified plaques in cardiac multidetector CT. Medical Physics, 2007, 34, 4876-4889.	1.6	8
148	Feature-based characterization of motion-contaminated calcified plaques in cardiac multidetector CT. Medical Physics, 2007, 34, 4860-4875.	1.6	7
149	A dual-stage method for lesion segmentation on digital mammograms. Medical Physics, 2007, 34, 4180-4193.	1.6	92
150	A Linear-Time Two-Scan Labeling Algorithm. , 2007, , .		65
151	Motion compensated reconstructions of calcified coronary plaques in cardiac CT. , 2007, , .		0
152	Mixture of expert artificial neural networks with ensemble training for reduction of various sources of false positives in CAD. , 2007, , .		2
153	Computer-aided assessment of cardiac computed tomographic images. , 2007, , .		0
154	Determination of subjective and objective similarity for pairs of masses on mammograms for selection of similar images. , 2007, , .		5
155	An Improvement of Herbrand's Theorem and Its Application to Model Generation Theorem Proving. Journal of Computer Science and Technology, 2007, 22, 541-553.	0.9	1
156	A Run-Based Two-Scan Labeling Algorithm. Lecture Notes in Computer Science, 2007, , 131-142.	1.0	8
157	SU-FF-I-03: Investigation of Similarity Measures for Selection of Similar Images for Breast Lesions On Mammograms. Medical Physics, 2007, 34, 2338-2338.	1.6	0
158	An Improvement on Sub-Herbrand Universe Computation. The Open Artificial Intelligence Journal, 2007, 1, 12-18.	1.8	0
159	Image-processing technique for suppressing ribs in chest radiographs by means of massive training artificial neural network (MTANN). IEEE Transactions on Medical Imaging, 2006, 25, 406-416.	5.4	196
160	A two-stage method for lesion segmentation on digital mammograms. , 2006, , .		1
161	Special Session on Thoracic CAD. International Journal of Computer Assisted Radiology and Surgery, 2006, 1, 345-367.	1.7	2
162	Massive-training artificial neural network (MTANN) for reduction of false positives in computer-aided detection of polyps: Suppression of rectal tubes. Medical Physics, 2006, 33, 3814-3824.	1.6	95

#	ARTICLE	IF	CITATIONS
163	Computer-aided diagnostic scheme for the detection of lung nodules on chest radiographs: Localized search method based on anatomical classification. <i>Medical Physics</i> , 2006, 33, 2642-2653.	1.6	73
164	Experimental determination of subjective similarity for pairs of clustered microcalcifications on mammograms: Observer study results. <i>Medical Physics</i> , 2006, 33, 3460-3468.	1.6	34
165	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.	1.0	3
166	SU-FF-I-01: Determination of Subjective Similarity for Pairs of Lesions On Mammograms: Comparison of Ranking Scores in 2AFC Versus Absolute Ratings for Masses and Microcalcifications. <i>Medical Physics</i> , 2006, 33, 1996-1997.	1.6	0
167	TU-EE-A3-04: Massive Training Artificial Neural Network (MTANN) to Reduce False Positives Due to Rectal Tubes in Computer-Aided Polyp Detection. <i>Medical Physics</i> , 2006, 33, 2208-2208.	1.6	0
168	TU-D-330A-03: Comparison of Image Segmentation Algorithms On Digitized Mammograms and FFDM Images for CAD. <i>Medical Physics</i> , 2006, 33, 2195-2196.	1.6	0
169	Effect of CAD on radiologists' responses in distinction between malignant and benign pulmonary nodules on high-resolution CT. , 2005, , .		0
170	Effect of massive training artificial neural networks for rib suppression on reduction of false positives in computerized detection of nodules on chest radiographs. , 2005, , .		1
171	Computer-aided Detection of Peripheral Lung Cancers Missed at CT: ROC Analyses without and with Localization. <i>Radiology</i> , 2005, 237, 684-690.	3.6	113
172	Investigation of psychophysical measure for evaluation of similar images for mammographic masses: Preliminary results. <i>Medical Physics</i> , 2005, 32, 2295-2304.	1.6	71
173	Computer-Aided Diagnosis in Thoracic CT. <i>Seminars in Ultrasound, CT and MRI</i> , 2005, 26, 357-363.	0.7	55
174	False-positive reduction in computer-aided diagnostic scheme for detecting nodules in chest radiographs by means of massive training artificial neural network1. <i>Academic Radiology</i> , 2005, 12, 191-201.	1.3	114
175	How Can a Massive Training Artificial Neural Network (MTANN) Be Trained With a Small Number of Cases in the Distinction Between Nodules and Vessels in Thoracic CT?1. <i>Academic Radiology</i> , 2005, 12, 1333-1341.	1.3	52
176	Computer-aided diagnostic scheme for distinction between benign and malignant nodules in thoracic low-dose CT by use of massive training artificial neural network. <i>IEEE Transactions on Medical Imaging</i> , 2005, 24, 1138-1150.	5.4	199
177	A case of child sedated with propofol and fentanyl for 10 days. <i>Journal of the Japanese Society of Intensive Care Medicine</i> , 2005, 12, 35-36.	0.0	0
178	WE-C-I-609-02: Investigation of Various Methods for Determination of Similarity Measures for Pairs of Clustered Microcalcifications On Mammograms. <i>Medical Physics</i> , 2005, 32, 2120-2120.	1.6	0
179	Radiologists' Performance for Differentiating Benign from Malignant Lung Nodules on High-Resolution CT Using Computer-Estimated Likelihood of Malignancy. <i>American Journal of Roentgenology</i> , 2004, 183, 1209-1215.	1.0	93
180	Determining the receptive field of a neural filter. <i>Journal of Neural Engineering</i> , 2004, 1, 228-237.	1.8	26

#	ARTICLE	IF	CITATIONS
181	Extraction of Left Ventricular Contours From Left Ventriculograms by Means of a Neural Edge Detector. IEEE Transactions on Medical Imaging, 2004, 23, 330-339.	5.4	86
182	Computerized scheme for automated detection of lung nodules in low-dose computed tomography images for lung cancer screening. Academic Radiology, 2004, 11, 617-629.	1.3	146
183	Characteristics of a massive training artificial neural network in the distinction between lung nodules and vessels in CT images. International Congress Series, 2004, 1268, 923-928.	0.2	3
184	Usefulness of computerized scheme for differentiating benign from malignant lung nodules on high-resolution CT. International Congress Series, 2004, 1268, 946-951.	0.2	3
185	Suppression of the contrast of ribs in chest radiographs by means of massive training artificial neural network. , 2004, , .		19
186	Load-Carrying Capacity and Friction Characteristics of a Water Droplet on Hydrophobic Surfaces. Tribology Letters, 2003, 15, 77-82.	1.2	12
187	Linear-time connected-component labeling based on sequential local operations. Computer Vision and Image Understanding, 2003, 89, 1-23.	3.0	370
188	Contour extraction of left ventricular cavity from digital subtraction angiograms using a neural edge detector. Systems and Computers in Japan, 2003, 34, 55-69.	0.2	11
189	Neural edge enhancer for supervised edge enhancement from noisy images. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 1582-1596.	9.7	131
190	Effect of a small number of training cases on the performance of massive training artificial neural network (MTANN) for reduction of false positives in computerized detection of lung nodules in low-dose CT. , 2003, , .		15
191	Massive training artificial neural network (MTANN) for reduction of false positives in computerized detection of lung nodules in low-dose computed tomography. Medical Physics, 2003, 30, 1602-1617.	1.6	226
192	Quantitative computerized analysis of diffuse lung disease in high-resolution computed tomography. Medical Physics, 2003, 30, 2440-2454.	1.6	135
193	Efficient approximation of neural filters for removing quantum noise from images. IEEE Transactions on Signal Processing, 2002, 50, 1787-1799.	3.2	73
194	Neural Edge Detector - A Good Mimic of Conventional One Yet Robuster against Noise. Lecture Notes in Computer Science, 2001, , 303-310.	1.0	7
195	<title>Computer-aided diagnosis system for coronary artery stenosis using a neural network</title>. , 2001, , .		6
196	A Simple Neural Network Pruning Algorithm with Application to Filter Synthesis. Neural Processing Letters, 2001, 13, 43-53.	2.0	65
197	<title>Extraction of the contours of left ventricular cavity according with those traced by medical doctors from left ventriculograms using a neural edge detector</title>. , 2001, , .		1
198	Sound Source Separation in the Frequency Domain with Image Processing. IEEJ Transactions on Electronics, Information and Systems, 2001, 121, 1866-1874.	0.1	1

#	ARTICLE	IF	CITATIONS
199	PHYSICAL EXERCISE AND FREE RADICALS. Japanese Journal of Physical Fitness and Sports Medicine, 2001, 50, 389-415.	0.0	2
200	An Approach to Synthesize Filters with Reduced Structures Using a Neural Network. , 2000, , .		3
201	Recognition of Coronary Arterial Stenosis Using Neural Network on DSA System. Systems and Computers in Japan, 1995, 26, 66-74.	0.2	22
202	Concentric Fibrosis and Cellular Infiltration Around Bile Ducts Induced by Graft-Versus-Host Reaction in Mice: A Role of CD8+Cells. Autoimmunity, 1995, 22, 163-171.	1.2	7
203	A study on the relationship between subcutaneous fat thickness and serum cholesterol in three field surveys.. [Minzoku Eisei] Race Hygiene, 1990, 56, 72-86.	0.0	0
204	Experimental and Clinical Studies of Causative Bacteria in Tonsillitis. Acta Oto-Laryngologica, 1988, 105, 185-191.	0.3	7
205	Relationship between Precipitate Volume and Antigen Weight in Immunodiffusion. Tohoku Journal of Experimental Medicine, 1976, 118, 289-296.	0.5	4
206	Designing the optimal structure of a neural filter. , 0, , .		9
207	Efficient approximation of a neural filter for quantum noise removal in X-ray images. , 0, , .		6
208	Fast connected-component labeling based on sequential local operations in the course of forward raster scan followed by backward raster scan. , 0, , .		26
209	Training under achievement quotient criterion. , 0, , .		6
210	Edge detection from noisy images using a neural edge detector. , 0, , .		4