

Adel S Elmaghraby

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/131560/publications.pdf>

Version: 2024-02-01

261
papers

3,258
citations

257450

24
h-index

223800

46
g-index

271
all docs

271
docs citations

271
times ranked

2559
citing authors

#	ARTICLE	IF	CITATIONS
1	A Deep Convolutional Neural Network-XGB for Direction and Severity Aware Fall Detection and Activity Recognition. <i>Sensors</i> , 2022, 22, 2547.	3.8	14
2	Multi-layer data integration technique for combining heterogeneous crime data. <i>Information Processing and Management</i> , 2022, 59, 102879.	8.6	3
3	BINER: A low-cost biomedical named entity recognition. <i>Information Sciences</i> , 2022, 602, 184-200.	6.9	10
4	Early detection and classification of abnormality in prior mammograms using image-to-image translation and YOLO techniques. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 221, 106884.	4.7	11
5	Making Cities Smarter – Optimization Problems for the IoT Enabled Smart City Development: A Mapping of Applications, Objectives, Constraints. <i>Sensors</i> , 2022, 22, 4380.	3.8	6
6	An integrated framework for breast mass classification and diagnosis using stacked ensemble of residual neural networks. <i>Scientific Reports</i> , 2022, 12, .	3.3	11
7	Aggregate density-based concept drift identification for dynamic sensor data models. <i>Neural Computing and Applications</i> , 2021, 33, 3267-3279.	5.6	5
8	Poincare sphere noise filtering for singularities in dynamic speckle activity: Application to paint drying time measurement. <i>Optics and Lasers in Engineering</i> , 2021, 136, 106317.	3.8	1
9	Identifying brain areas correlated with ADOS raw scores by studying altered dynamic functional connectivity patterns. <i>Medical Image Analysis</i> , 2021, 68, 101899.	11.6	10
10	Diabetes Type 2: Poincaré Data Preprocessing for Quantum Machine Learning. <i>Computers, Materials and Continua</i> , 2021, 67, 1849-1861.	1.9	6
11	Breast Lesions Detection and Classification via YOLO-Based Fusion Models. <i>Computers, Materials and Continua</i> , 2021, 69, 1407-1425.	1.9	18
12	Deep Learning Techniques for Speech Emotion Recognition, from Databases to Models. <i>Sensors</i> , 2021, 21, 1249.	3.8	145
13	A novel technology to integrate imaging and clinical markers for non-invasive diagnosis of lung cancer. <i>Scientific Reports</i> , 2021, 11, 4597.	3.3	9
14	A novel 3D segmentation approach for extracting retinal layers from optical coherence tomography images. <i>Medical Physics</i> , 2021, 48, 1584-1595.	3.0	11
15	IoT in Smart Cities: A Survey of Technologies, Practices and Challenges. <i>Smart Cities</i> , 2021, 4, 429-475.	9.4	199
16	A Novel Framework for Accurate and Non-Invasive Pulmonary Nodule Diagnosis by Integrating Texture and Contour Descriptors. , 2021, , .		1
17	Cybersecurity enhancement using recurrent neural networks and keystroke dynamics. , 2021, , .		0
18	Editorial: Enabling Wearable Brain Technologies - Methods and Applications. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 722388.	2.0	1

#	ARTICLE	IF	CITATIONS
19	Affective Virtual Reality Gaming for Autism. Contemporary Clinical Neuroscience, 2021, , 575-606.	0.3	0
20	Exploiting Deep Learning Techniques for Colon Polyp Segmentation. Computers, Materials and Continua, 2021, 67, 1629-1644.	1.9	1
21	A Hierarchical Approach to Activity Recognition and Fall Detection Using Wavelets and Adaptive Pooling. Sensors, 2021, 21, 6653.	3.8	9
22	Connected-UNets: a deep learning architecture for breast mass segmentation. Npj Breast Cancer, 2021, 7, 151.	5.2	61
23	Pressure injury image analysis with machine learning techniques: A systematic review on previous and possible future methods. Artificial Intelligence in Medicine, 2020, 102, 101742.	6.5	48
24	Analysis Of The Importance Of Systolic Blood Pressure Versus Diastolic Blood Pressure In Diagnosing Hypertension: MRA Study. , 2020, , .		1
25	Automated measurement systems in mine water management and mine workings â€œ A review of potential methods. Water Resources and Industry, 2020, 24, 100136.	3.9	19
26	Auto Resource Management to Enhance Reliability and Energy Consumption in Heterogeneous Cloud Computing. International Journal of Computer Networks and Communications, 2020, 12, 85-108.	0.3	0
27	TensorFlow Quantum: Impacts of Quantum State Preparation on Quantum Machine Learning Performance. IEEE Access, 2020, 8, 215246-215255.	4.2	20
28	A Comprehensive Framework For Accurate Classification of Pulmonary Nodules. , 2020, , .		1
29	Heuristic Analysis for In-Plane Non-Contact Calibration of Rulers Using Mask R-CNN. Information (Switzerland), 2020, 11, 259.	2.9	2
30	Integrating 3D Model Representation for an Accurate Non-Invasive Assessment of Pressure Injuries with Deep Learning. Sensors, 2020, 20, 2933.	3.8	21
31	Segmentation of retinal layers from OCT scans. , 2020, , 109-132.		1
32	A multimodal computerâ€aided diagnostic system for precise identification of renal allograft rejection: Preliminary results. Medical Physics, 2020, 47, 2427-2440.	3.0	15
33	Malicious Text Identification: Deep Learning from Public Comments and Emails. Information (Switzerland), 2020, 11, 312.	2.9	27
34	A topic modeling framework for spatio-temporal information management. Information Processing and Management, 2020, 57, 102340.	8.6	17
35	Kudoâ€™s Classification for Colon Polyps Assessment Using a Deep Learning Approach. Applied Sciences (Switzerland), 2020, 10, 501.	2.5	27
36	Ensemble Deep Learning Models for Heart Disease Classification: A Case Study from Mexico. Information (Switzerland), 2020, 11, 207.	2.9	64

#	ARTICLE	IF	CITATIONS
37	Determining Fall direction and severity using SVMs. , 2020, , .		1
38	A Novel Framework for Early Detection of Hypertension using Magnetic Resonance Angiography. Scientific Reports, 2019, 9, 11105.	3.3	12
39	Detecting Prostate Cancer Using A CNN-Based System Without Segmentation. , 2019, , .		4
40	Radiomic-Based Framework for Early Diagnosis of Lung Cancer. , 2019, , .		13
41	A Personalized Autism Diagnosis CAD System Using a Fusion of Structural MRI and Resting-State Functional MRI Data. Frontiers in Psychiatry, 2019, 10, 392.	2.6	50
42	Scalable Healthcare Assessment for Diabetic Patients Using Deep Learning on Multiple GPUs. IEEE Transactions on Industrial Informatics, 2019, 15, 5682-5689.	11.3	33
43	Detection of Volatile Compounds Emitted by Bacteria in Wounds Using Gas Sensors. Sensors, 2019, 19, 1523.	3.8	5
44	Demographic Influence on Opioid Misuse. , 2019, , .		0
45	Automatic Segmentation and Functional Assessment of the Left Ventricle using U-net Fully Convolutional Network. , 2019, , .		4
46	A New System for Lung Cancer Diagnosis based on the Integration of Global and Local CT Features. , 2019, , .		2
47	Ensemble Learning of Blood Metabolic Biomarkers: A Novel CAD System of Heart Failure. , 2019, , .		2
48	Computer-Aided Diagnosis of Acute Myocardial Infarction using Time-Dependent Plasma Metabolites. , 2019, , .		2
49	Maintaining Cloud Performance under DDOS Attacks. International Journal of Computer Networks and Communications, 2019, 11, 1-22.	0.3	1
50	Retinal Layers OCT Scans 3-D Segmentation. , 2019, , .		5
51	A Novel CT-Based Descriptors for Precise Diagnosis of Pulmonary Nodules. , 2019, , .		5
52	STEM for Public Safety in Cyber: Training for Local Law Enforcement and Cyber Security. , 2019, , .		2
53	A CNN-Based Framework for Bladder Wall Segmentation Using MRI. , 2019, , .		10
54	Functional Magnetic Resonance Imaging Based Framework for Autism Diagnosis. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
55	A Novel Deep Learning Approach for Left Ventricle Automatic Segmentation in Cardiac Cine MR. , 2019, , .		4
56	Lung Nodule Classification Based on the Integration of a Higher-Order Markov-Gibbs Random Field Appearance Model and Geometric Features. , 2019, , 203-224.		0
57	Towards Big Data in Acute Renal Rejection. , 2019, , 205-223.		0
58	Tissue classification and segmentation of pressure injuries using convolutional neural networks. Computer Methods and Programs in Biomedicine, 2018, 159, 51-58.	4.7	59
59	Localized analysis of paint-coat drying using dynamic speckle interferometry. Optics and Lasers in Engineering, 2018, 106, 61-67.	3.8	6
60	Early Assessment of Acute Renal Rejection Post-transplantation: A Combined Imaging and Clinical Biomarkers Protocol. , 2018, , .		3
61	A Novel Fully Automated CAD System for Left Ventricle Volume Estimation. , 2018, , .		0
62	Athlete-Customized Injury Prediction using Training Load Statistical Records and Machine Learning. , 2018, , .		17
63	MRI Markers for Early Assessment of Bladder Cancer: A Review. , 2018, , .		4
64	Using 3-D CNNs and Local Blood Flow Information to Segment Cerebral Vasculature. , 2018, , .		8
65	A Computer-Aided System for Prostate Cancer Diagnosis. , 2018, , .		2
66	A Novel Fully Automated CAD System for Left Ventricle Volume Estimation. , 2018, , .		1
67	Annotation Technique for Health-Related Tweets Sentiment Analysis. , 2018, , .		15
68	Towards Accurate Personalized Autism Diagnosis Using Different Imaging Modalities: sMRI, fMRI, and DTI. , 2018, , .		8
69	Morphological Analysis of Pressure Injury Images. , 2018, , .		0
70	Trends on Health in Social Media: Analysis using Twitter Topic Modeling. , 2018, , .		14
71	Colon Polyp Segmentation Using Texture Analysis. , 2018, , .		2
72	On The Integration of CT-Derived Features for Accurate Detection of Lung Cancer. , 2018, , .		8

#	ARTICLE	IF	CITATIONS
73	A Semi-Automatic System for Data Management and Cleaning. , 2018, , .		1
74	A Novel MRA-Based Framework For Detecting Correlation Between Cerebrovascular Changes and Mean Arterial Pressure. , 2018, , .		4
75	Face and kinship image based on combination descriptors-DIEDA for large scale features. , 2018, , .		1
76	Computer-Aided Diagnosis of Prostate Cancer on Diffusion Weighted Imaging: A Technical Review. , 2018, , .		4
77	A New Fast Framework for Early Detection of Prostate Cancer Without Prostate Segmentation. , 2018, , .		4
78	Tissues Classification for Pressure Ulcer Images Based on 3D Convolutional Neural Network. , 2018, , .		12
79	Towards Personalized Autism Diagnosis: Promising Results. , 2018, , .		3
80	A Novel ADCs-Based CNN Classification System for Precise Diagnosis of Prostate Cancer. , 2018, , .		11
81	An Automated Classification Framework for Pressure Ulcer Tissues Based on 3D Convolutional Neural Network. , 2018, , .		3
82	A Generalized Deep Learning-Based Diagnostic System for Early Diagnosis of Various Types of Pulmonary Nodules. Technology in Cancer Research and Treatment, 2018, 17, 153303381879880.	1.9	54
83	A Novel Autoencoder-Based Diagnostic System for Early Assessment of Lung Cancer. , 2018, , .		24
84	An Innovative 3D Adaptive Patient-Related Atlas for Automatic Segmentation of Retina Layers from Oct Images. , 2018, , .		2
85	A novel MRA framework based on integrated global and local analysis for accurate segmentation of the cerebral vascular system. , 2018, , .		15
86	Deep Learning Role in Early Diagnosis of Prostate Cancer. Technology in Cancer Research and Treatment, 2018, 17, 153303461877553.	1.9	69
87	Deep Learning Based vs. Markov Chain Based Text Generation for Cross Domain Adaptation for Sentiment Classification. , 2018, , .		14
88	Automatized colon polyp segmentation via contour region analysis. Computers in Biology and Medicine, 2018, 100, 152-164.	7.0	38
89	Efficient use of mobile devices for quantification of pressure injury images. Technology and Health Care, 2018, 26, 269-280.	1.2	7
90	Classification of pressure ulcer tissues with 3D convolutional neural network. Medical and Biological Engineering and Computing, 2018, 56, 2245-2258.	2.8	39

#	ARTICLE	IF	CITATIONS
91	Identifying Personalized Autism Related Impairments Using Resting Functional MRI and ADOS Reports. Lecture Notes in Computer Science, 2018, , 240-248.	1.3	7
92	Ubiquitous Networks, Ubiquitous Sensors: Issues of Security, Reliability and Privacy in the Internet of Things. Lecture Notes in Computer Science, 2018, , 331-343.	1.3	3
93	Evolutionary Centrality and Maximal Cliques in Mobile Social Networks. International Journal of Computer Science and Information Technology, 2018, 10, 13-24.	0.6	1
94	Hypertension and Correlation to Cerebrovascular Change: A Brief Overview. , 2018, , 345-364.		3
95	A Computer-Aided System for Prostate Cancer Diagnosis. , 2018, , .		0
96	Network science algorithms for mobile network analytics. , 2017, , .		0
97	Automated framework for accurate segmentation of pressure ulcer images. Computers in Biology and Medicine, 2017, 90, 137-145.	7.0	18
98	A novel CAD system for autism diagnosis using structural and functional MRI. , 2017, , .		20
99	A comprehensive framework for early assessment of lung injury. , 2017, , .		7
100	A new framework for incorporating appearance and shape features of lung nodules for precise diagnosis of lung cancer. , 2017, , .		23
101	Welcoming address by ISPPITT 2017 general co-chairs. , 2017, , .		0
102	Simulation and development of a system for the analysis of pressure ulcers. , 2017, , .		3
103	3D Kidney Segmentation from Abdominal Images Using Spatial-Appearance Models. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-10.	1.3	30
104	Automatic colon polyp detection using Convolutional encoder-decoder model. , 2017, , .		16
105	Biologically Inspired Methods for Imaging, Cognition, Vision, and Intelligence. Computational Intelligence and Neuroscience, 2016, 2016, 1-1.	1.7	0
106	Detection of lung injury using 4D-CT chest images. , 2016, , .		10
107	MobiX: A software proposal based authentication service for mobile devices. , 2016, , .		0
108	Improved dialect recognition for colloquial Arabic speakers. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
109	Categorizing hardware failure in large scale cloud computing environment. , 2016, , .		0
110	Image-based CAD system for accurate identification of lung injury. , 2016, , .		13
111	Kidney segmentation from CT images using a 3D NMF-guided active contour model. , 2016, , .		11
112	UofL at SemEval-2016 Task 4: Multi Domain word2vec for Twitter Sentiment Classification. , 2016, , .		14
113	Chapter 18 Virtual reality with psychophysiological monitoring as an approach to evaluate emotional reactivity, social skills, and joint attention in autism spectrum disorder. , 2016, , 371-396.		0
114	Implementation of edge-enhancement nonlinear anisotropic diffusion filtering using different CUDA memory models. , 2015, , .		2
115	Serious games providing opportunities to empower citizen engagement and participation in e-government services. , 2015, , .		4
116	Using physiological signal analysis to design affective VR games. , 2015, , .		14
117	Digital heritage from the Smart City and the Internet of Things: History or stasis?. , 2015, , .		2
118	Designing immersive affective environments with biofeedback. , 2015, , .		4
119	Effect of training set size on SVM and Naïve Bayes for Twitter sentiment analysis. , 2015, , .		23
120	A framework for using games for behavioral analysis of autistic children. , 2014, , .		8
121	A novel 4D PDE-based approach for accurate assessment of myocardium function using cine cardiac magnetic resonance images. , 2014, , .		7
122	Emotion analysis from speech using temporal contextual trajectories. , 2014, , .		1
123	Cyber security challenges in Smart Cities: Safety, security and privacy. Journal of Advanced Research, 2014, 5, 491-497.	9.5	348
124	<l>In-Vitro</l> and <l>In-Vivo</l> Diagnostic Techniques for Prostate Cancer: A Review. Journal of Biomedical Nanotechnology, 2014, 10, 2747-2777.	1.1	24
125	Towards the use of serious games for effective e-government service. , 2014, , .		2
126	A Novel Image-Based Approach for Early Detection of Prostate Cancer Using DCE-MRI. , 2014, , 55-82.		15

#	ARTICLE	IF	CITATIONS
127	A vehicle threat detection system using correlation analysis and synthesized x-ray images. Proceedings of SPIE, 2013, , .	0.8	9
128	E-government services challenges and opportunities for developing countries: The case of Libya. , 2013, , .		10
129	Speech emotion detection using time dependent self organizing maps. , 2013, , .		8
130	Myocardial borders segmentation from cine MR images using bidirectional coupled parametric deformable models. Medical Physics, 2013, 40, 092302.	3.0	31
131	Simulation of face recognition at a distance by scaling down images. , 2013, , .		1
132	MRI-based diagnostic system for early detection of prostate cancer. , 2013, , .		6
133	Accurate segmentation framework for the left ventricle wall from cardiac cine MRI. , 2013, , .		9
134	A diffusion-weighted imaging based diagnostic system for early detection of prostate cancer. Journal of Biomedical Science and Engineering, 2013, 06, 346-356.	0.4	28
135	A novel image-based approach for early detection of prostate cancer. , 2012, , .		10
136	Computational intelligence techniques for identifying the pectoral muscle region in mammograms. , 2012, , .		1
137	A framework for interactive generation of music for games. , 2012, , .		4
138	Serious games and Health Informatics: A unified framework. , 2012, , .		7
139	Performance improvement of face recognition using multispectral images and stereo images. , 2012, , .		2
140	Intelligent serious games system for children with learning disabilities. , 2012, , .		17
141	Identification of the skin-air interface in CC- and MLO-view mammograms via computational intelligence techniques. , 2012, , .		0
142	A new 3D automatic segmentation framework for accurate extraction of prostate from diffusion imaging. , 2011, , .		7
143	Non-Invasive Image-Based Approach for Early Detection of Prostate Cancer. , 2011, , .		8
144	A brief survey on multispectral face recognition and multimodal score fusion. , 2011, , .		18

#	ARTICLE	IF	CITATIONS
145	ISCC 2011: General chairs' message. , 2011, , .		0
146	Combinatorial Optimization of the piecewise constant Mumford-Shah functional with application to scalar/vector valued and volumetric image segmentation. Image and Vision Computing, 2011, 29, 365-381.	4.5	20
147	3D automatic approach for precise segmentation of the prostate from Diffusion-Weighted Magnetic Resonance Imaging. , 2011, , .		7
148	A new 3D automatic segmentation framework for accurate segmentation of prostate from DCE-MRI. , 2011, , .		8
149	The Virtual World of Cerberus. , 2011, , 158-166.		0
150	A novel 3D segmentation approach for segmenting the prostate from dynamic contrast enhanced MRI using current appearance and learned shape prior. , 2010, , .		4
151	Computer networks resilience challenges: Routing protocols. , 2010, , .		1
152	Medical image storage system for content-based retrieval. , 2010, , .		0
153	Pathological vocal folds diagnosis using modified active contour models. , 2010, , .		0
154	Legal Issues for Research and Practice in Computational Forensics. Advances in Digital Crime, Forensics, and Cyber Terrorism, 2010, , 496-515.	0.4	0
155	An active surface model for volumetric image segmentation. , 2009, , .		2
156	Using JavaTM to Design Forensically Resistant Applications. , 2009, , .		0
157	A Distributed Triage Model for Digital Forensic Services to State and Local Law Enforcement. , 2009, , .		0
158	Recursive trace line method for detecting myelinated bundles: A comparison study with pyramidal cell arrays. Journal of Neuroscience Methods, 2008, 168, 367-372.	2.5	14
159	Adaptive tracking of network behavioral signals for real time forensic analysis of service quality degradation. IEEE Transactions on Network and Service Management, 2008, 5, 105-117.	4.9	2
160	Node-Based Probing and Monitoring to Investigate Use of Peer-to-Peer Technologies for Distribution of Contraband Material. , 2008, , .		5
161	Network Forensics: Network Data and State Seizures in the United States. , 2008, , .		1
162	Seamless Connectivity Scheme for Heterogeneous Wireless Networks. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
163	Data Center Resilience Evaluation Test-bed: Design and Implementation. , 2008, , .		2
164	Implications of Attorney Experiences with Digital Forensics and Electronic Evidence in the United States. , 2008, , .		1
165	A graph cut based active contour without edges with relaxed homogeneity constraint. , 2008, , .		9
166	Graph cut based deformable model with statistical shape priors. , 2008, , .		8
167	Variability of the relative corpus callosum cross sectional area between dyslexic and normally developed brains. , 2008, , .		3
168	A graph cut based active contour for multiphase image segmentation. , 2008, , .		12
169	Evaluation of resilience for Data Center systems. , 2008, , .		5
170	Transformation of Relational Features for Use with Conventional Classifiers. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	2
171	Reliability analysis framework for computer-assisted medical decision systems. Medical Physics, 2007, 34, 763-772.	3.0	10
172	Performance modeling of resilient information system for remote data storage. , 2007, , .		0
173	Use of Simulation and Random Matrix Theory to Identify the State of Network Traffic. , 2007, , .		2
174	Contribution of Haar wavelets and MPEG-7 textural features for false positive reduction in a CAD system for the detection of masses in mammograms. , 2007, 6514, 41.		0
175	Particle swarm optimization of neural network CAD systems with clinically relevant objectives. , 2007, , .		4
176	Prevalence, Use, and Evidentiary Issues of Digital Evidence of Cellular Telephone Consumer and Small-Scale Digital Devices. Journal of Digital Forensic Practice, 2007, 1, 291-296.	0.2	5
177	Bilateral Breast Volume Asymmetry in Screening Mammograms as a Potential Marker of Breast Cancer: Preliminary Experience. , 2007, , .		6
178	A Concentric Morphology Model for the Detection of Masses in Mammography. IEEE Transactions on Medical Imaging, 2007, 26, 880-889.	8.9	137
179	Challenge--Construction of an Adequate Digital Forensics Testbed. , 2007, , .		1
180	Data Mining from Multimedia Patient Records. , 2006, , 551-595.		6

#	ARTICLE	IF	CITATIONS
181	A Survey for QoS and Power Management Algorithms in Wireless Transmission. , 2006, , .		1
182	Fuzzy Expert System for Object Labeling Integrated with Probabilistic Learning. , 2006, , .		0
183	Three-band MRI image fusion utilizing the wavelet-based method optimized with two quantitative fusion metrics. , 2006, 6144, 243.		4
184	Confidence-based stratification of CAD recommendations with application to breast cancer detection. , 2006, 6144, 1759.		0
185	Data mining in proteomic mass spectrometry. Clinical Proteomics, 2006, 2, 13-32.	2.1	7
186	Special Session on Breast CAD. International Journal of Computer Assisted Radiology and Surgery, 2006, 1, 325-343.	2.8	2
187	Significance of MPEG-7 Textural Features for Improved Mass Detection in Mammography. , 2006, 2006, 4779-82.		1
188	Probabilistic Framework for Reliability Analysis of Information-Theoretic CAD Systems in Mammography. , 2006, 2006, 6113-6.		2
189	Towards a Multimodal Framework for Human Behavior Recognition. , 2006, , .		0
190	Probabilistic Framework for Reliability Analysis of Information-Theoretic CAD Systems in Mammography. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
191	Automated detection of mammographic masses: preliminary assessment of an information-theoretic CAD scheme for reduction of false positives. , 2005, , .		2
192	Detection of architectural distortion in mammograms using fractal analysis. , 2005, , .		2
193	Adapted morphing model for 3D volume reconstruction applied to abdominal CT images. , 2005, , .		0
194	A novel technique for assessing the case-specific reliability of decisions made by CAD tools. , 2005, , .		1
195	Estimation of generalized entropies with sample spacing. Pattern Analysis and Applications, 2005, 8, 95-101.	4.6	9
196	A Scalable Pricing Model for Bandwidth Allocation. Electronic Commerce Research, 2005, 5, 203-227.	5.0	6
197	Resolution improvement and detail enhancement for computed tomography scout images. Journal of Electronic Imaging, 2005, 14, 013003.	0.9	3
198	DNA: directional neighborhood analysis for detection of breast masses in screening mammograms. , 2005, , .		3

#	ARTICLE	IF	CITATIONS
199	Automated Recursive Segmentation of Large Neocortical Images Using Standard Deviation as Termination Criteria. , 2005, 2005, 2531-4.		0
200	Work in progress - Cybersecurity curriculum development initiated by public interests. , 2005, , .		1
201	Feature And Knowledge Based Analysis For Reduction of False Positives in the Computerized Detection of Masses in Screening Mammography. , 2005, 2005, 6524-7.		8
202	Morphological concentric layer analysis for automated detection of suspicious masses in screening mammograms. , 2004, 2004, 1279-82.		4
203	Breast segmentation in screening mammograms using multiscale analysis and self-organizing maps. , 2004, 2004, 1786-9.		7
204	An Approach to Multimodal Biomedical Image Registration Utilizing Particle Swarm Optimization. IEEE Transactions on Evolutionary Computation, 2004, 8, 289-301.	10.0	324
205	Unsupervised tissue segmentation in screening mammograms for automated breast density assessment. , 2004, 5370, 75.		2
206	Pilot pollution interference cancellation in CDMA systems. Wireless Communications and Mobile Computing, 2003, 3, 743-757.	1.2	1
207	<title>Building intelligence in third-generation training and battle simulations</title>. , 2003, , .		0
208	Similarity metrics based on nonadditive entropies for 2D-3D multimodal biomedical image registration. , 2003, , .		29
209	CT scout z-resolution improvement with image restoration methods. , 2003, 5032, 1851.		2
210	<title>General ultrasound speckle models in determining scatterer density</title>. , 2002, 4687, 285.		14
211	Estimation of K distribution parameters using neural networks. IEEE Transactions on Biomedical Engineering, 2002, 49, 617-620.	4.2	38
212	The Continuous Tabu Search as an Optimizer for 2D-to-3D Biomedical Image Registration. Lecture Notes in Computer Science, 2001, , 1273-1274.	1.3	8
213	Statistical and Neural Approaches for Estimating Parameters of a Speckle Model Based on the Nakagami Distribution. Lecture Notes in Computer Science, 2001, , 196-205.	1.3	0
214	Is it better to combine predictions?. Protein Engineering, Design and Selection, 2000, 13, 15-19.	2.1	34
215	Web-based performance visualization of distributed discrete event simulation. , 1999, , .		1
216	Visualization of neural-network gaps based on error analysis. IEEE Transactions on Neural Networks, 1999, 10, 419-426.	4.2	7

#	ARTICLE	IF	CITATIONS
217	An analytical model for hybrid checkpointing in time warp distributed simulation. IEEE Transactions on Parallel and Distributed Systems, 1998, 9, 947-951.	5.6	31
218	Logic-oriented model of artificial neural networks. Information Sciences, 1997, 101, 85-107.	6.9	2
219	On teaching AI and expert systems courses. IEEE Transactions on Education, 1993, 36, 193-197.	2.4	3
220	An investigation of a standard simulation-knowledge interface. , 1992, , .		2
221	A simulation study of hierarchical clustering techniques for the design of cellular manufacturing systems. Computers and Industrial Engineering, 1991, 21, 267-271.	6.3	3
222	Optimization of the Economy of an Oil-Producing Country. IEEE Transactions on Systems, Man, and Cybernetics, 1981, 11, 753-759.	0.9	1
223	Voice recognition applications for programming environments. , 0, , .		3
224	Computer-aided documentation for Pascal programs. , 0, , .		1
225	Design of an embedded robot control sublanguage. , 0, , .		0
226	Simulation of hypercube architectures using Network II.5. , 0, , .		0
227	Evaluation of flexibility in manufacturing systems. , 0, , .		6
228	Parallel and distributed simulation: an overview. , 0, , .		1
229	Performance evaluation of the aggressive adaptive-risk approach for parallel and distributed simulation. , 0, , .		0
230	Performance evaluation of a clustered adaptive-risk approach for parallel simulation. , 0, , .		0
231	Evaluation of a prototype visualization for distributed simulations. , 0, , .		1
232	A computational model of visual cortex receptive fields using spatio-temporal filters. , 0, , .		2
233	A neural network approach for estimating large K distribution parameters. , 0, , .		2
234	A perceptual learning model based on topological representation. , 0, , .		1

#	ARTICLE	IF	CITATIONS
235	Generalized regression neural networks for biomedical image interpolation. , 0, , .		7
236	Hybrid optimization for ultrasound and multimodal image registration. , 0, , .		7
237	Biologically motivated model for encoding multiple object motions in primate visual cortex using sequences of natural images. , 0, , .		0
238	Characterization of ultrasonic backscatter based on generalized entropy. , 0, , .		4
239	Generalized mutual information similarity metrics for multimodal biomedical image registration. , 0, , .		5
240	A supervised learning approach to landmark-based elastic biomedical image registration and interpolation. , 0, , .		4
241	An integrated neuro configuration management approach for hybrid mobile communication networks. , 0, , .		1
242	Bandwidth allocation in a dynamic environment using a variable pricing policy. , 0, , .		3
243	Interface for digital medical image databases. , 0, , .		1
244	Pilot pollution interference reduction using multi-carrier interferometry. , 0, , .		5
245	Sensory system for early detection of pilot pollution interference in UMTS networks. , 0, , .		4
246	Self-organizing maps for masking mammography images. , 0, , .		7
247	A novel cluster-based image retrieval. , 0, , .		1
248	Data mining application for predictive learning from visiting nurse association data. , 0, , .		0
249	CoIRS: cluster-oriented image retrieval system. , 0, , .		4
250	Base station assisted search approach for mitigation of pilot pollution interference. , 0, , .		0
251	Expectation-maximization framework for rock textures segmentation. , 0, , .		1
252	A methodology for analysis extraction and visualization of CT scans. , 0, , .		2

#	ARTICLE	IF	CITATIONS
253	A swarm approach for emission sources localization. , 0, , .		42
254	A swarm-based fuzzy logic control mobile sensor network for hazardous contaminants localization. , 0, , .		50
255	Tracking Non-Stationary Optimal Solution by Particle Swarm Optimizer. , 0, , .		16
256	Error investigation of models for improved detection of masses in screening mammography. , 0, , .		1
257	Quality evaluation of fast morphing interpolation model for 3D volume reconstruction. , 0, , .		0
258	Recursive Segmentation of Minicolumns Using Myelinated Bundles. , 0, , .		1
259	DIEDA: discriminative information based on exponential discriminant analysis combined with local features representation for face and kinship verification. Multimedia Tools and Applications, 0, , 1.	3.9	10
260	Security and the Transnational Information Polity. Digital Forensics, Security and Law Journal, 0, , .	0.0	0
261	Early diagnosis system for lung nodules based on the integration of a higher-order MGRF appearance feature model and 3D-CNN. , 0, , .		2