Lung cancer cell identification based on artificial neural

Artificial Intelligence in Medicine 24, 25-36

DOI: 10.1016/s0933-3657(01)00094-x

Citation Report

#	Article	IF	CITATIONS
1	Selectively ensembling neural classifiers., 0,,.		4
2	Rule learning based on neural network ensemble. , 0, , .		3
3	Ensembling neural networks: Many could be better than all. Artificial Intelligence, 2002, 137, 239-263.	3.9	1,622
4	Medical diagnosis with c4.5 rule preceded by artificial neural network ensemble. IEEE Transactions on Information Technology in Biomedicine, 2003, 7, 37-42.	3.6	138
5	Prediction of survival in surgical unresectable lung cancer by artificial neural networks including genetic polymorphisms and clinical parameters. Journal of Clinical Laboratory Analysis, 2003, 17, 229-234.	0.9	22
6	An Introduction to Boosting and Leveraging. Lecture Notes in Computer Science, 2003, , 118-183.	1.0	206
7	Advanced Lectures on Machine Learning. Lecture Notes in Computer Science, 2003, , .	1.0	17
8	Selective Ensemble of Decision Trees. , 2003, , 476-483.		68
9	Total ozone time series analysis: a neural network model approach. Nonlinear Processes in Geophysics, 2004, 11, 683-689.	0.6	14
10	Earthquake Prediction by RBF Neural Network Ensemble. Lecture Notes in Computer Science, 2004, , 962-969.	1.0	11
11	Prediction of postoperative morbidity after lung resection using an artificial neural network ensemble. Artificial Intelligence in Medicine, 2004, 30, 61-69.	3.8	52
12	Computational intelligence techniques for risk assessment and decision support. Children and Youth Services Review, 2004, 26, 1081-1095.	1.0	20
13	The responsibility gap: Ascribing responsibility for the actions of learning automata. Ethics and Information Technology, 2004, 6, 175-183.	2.3	474
14	Spiculated Lesion Detection in Digital Mammogram Based on Artificial Neural Network Ensemble. Lecture Notes in Computer Science, 2005, , 790-795.	1.0	3
15	Tree-structured grading of pathological images of prostate., 2005, 5747, 840.		18
16	Improving electric load forecasts using network committees. Electric Power Systems Research, 2005, 74, 83-94.	2.1	36
17	Dynamic adaptive ensemble case-based reasoning: application to stock market prediction. Expert Systems With Applications, 2005, 28, 435-443.	4.4	58
18	Evaluation of chemometric techniques and artificial neural networks for cancer screening using Cu, Fe, Se and Zn concentrations in blood serum. Analytica Chimica Acta, 2005, 533, 161-168.	2.6	24

#	Article	IF	CITATIONS
19	Neural network ensemble strategies for financial decision applications. Computers and Operations Research, 2005, 32, 2543-2559.	2.4	268
20	Improved classification of medical data using abductive network committees trained on different feature subsets. Computer Methods and Programs in Biomedicine, 2005, 80, 141-153.	2.6	27
21	Augmented cell-graphs for automated cancer diagnosis. Bioinformatics, 2005, 21, ii7-ii12.	1.8	46
22	Delimiting cut-off of age at onset in Schizophrenia using Bayesian network., 2005,,.		3
23	Neural Network Ensembles Based Approach for Mineral Prospectivity Prediction., 2005,,.		2
24	Learning the Topological Properties of Brain Tumors. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2005, 2, 262-270.	1.9	45
26	A time scale-oriented approach for building medical expert systems. Expert Systems With Applications, 2006, 31, 299-308.	4.4	42
27	Using LogitBoost classifier to predict protein structural classes. Journal of Theoretical Biology, 2006, 238, 172-176.	0.8	182
28	Clusterer ensemble. Knowledge-Based Systems, 2006, 19, 77-83.	4.0	176
29	Diagnosis of the macular diseases from pattern electroretinography signals using artificial neural networks. Expert Systems With Applications, 2006, 30, 361-366.	4.4	13
30	A knowledge-based approach to assign breast cancer treatments in oncology units. Expert Systems With Applications, 2006, 31, 451-457.	4.4	19
31	Clustering Ensemble Technique Applied in the Discovery and Diagnosis of Brain Lesions. , 2006, , .		O
32	Prototyping Virtual Cancer Therapist (VCT): A Software Engineering Approach., 2006, 2006, 5424-7.		1
33	Computer-aided cytological cancer diagnosis: cell type classification as a step towards fully automatic cancer diagnostics on cytopathological specimens of serous effusions., 2007,,.		7
34	LogitBoost classifier for discriminating thermophilic and mesophilic proteins. Journal of Biotechnology, 2007, 127, 417-424.	1.9	50
35	Improve Computer-Aided Diagnosis With Machine Learning Techniques Using Undiagnosed Samples. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2007, 37, 1088-1098.	3.4	288
36	An End-to-End Process for Cancer Identification from Images of Lung Tissue. , 2007, , .		0
37	Number Image Recognition Based on Neural Network Ensemble. , 2007, , .		8

#	Article	IF	CITATIONS
38	The Use of Artificial Neural Networks for the Diagnosis and Estimation of Prognosis in Cancer Patients. , 2007, , 243-259.		3
39	An image analysis approach for automatic malignancy determination of prostate pathological images. Cytometry Part B - Clinical Cytometry, 2007, 72B, 227-240.	0.7	85
40	Predictive modeling of mercury speciation in combustion flue gases using GMDH-based abductive networks. Fuel Processing Technology, 2007, 88, 483-491.	3.7	17
41	The use of artificial neural networks to stratify the length of stay of cardiac patients based on preoperative and initial postoperative factors. Artificial Intelligence in Medicine, 2007, 40, 211-221.	3.8	63
42	ANN Ensembles Based Machine Vision Inspection for Solder Joints., 2007,,.		9
43	Cancer classification using ensemble of neural networks with multiple significant gene subsets. Applied Intelligence, 2007, 26, 243-250.	3.3	86
44	A hybrid approach for feature subset selection using neural networks and ant colony optimization. Expert Systems With Applications, 2007, 33, 49-60.	4.4	218
45	Exploring the extremes of sequence/structure space with ensemble fold recognition in the program Phyre. Proteins: Structure, Function and Bioinformatics, 2008, 70, 611-625.	1.5	377
46	Feature-based classifier ensembles for diagnosing multiple faults in rotating machinery. Applied Soft Computing Journal, 2008, 8, 1365-1380.	4.1	43
47	Evolutionary ensemble of diverse artificial neural networks using speciation. Neurocomputing, 2008, 71, 1604-1618.	3.5	21
48	A knowledge engineering approach to developing eâ€libraries for mobile learning. Electronic Library, 2008, 26, 303-317.	0.8	92
49	Hepatitis B Diagnosis Using Logical Inference and Self-Organizing Map. Journal of Computer Science, 2008, 4, 1042-1050.	0.5	12
50	CoSFuC: A Cost Sensitive Fuzzy Clustering Approach for Medical Prediction. , 2008, , .		1
51	A kernelised fuzzy-Support Vector Machine CAD system for the diagnosis of lung cancer from tissue images. International Journal of Functional Informatics and Personalised Medicine, 2008, 1, 26.	0.4	7
52	Reducing FPs in Nodule Detection Using Neural Networks Ensemble. , 2009, , .		3
53	A new genetic feature selection with neural network ensemble. International Journal of Computer Mathematics, 2009, 86, 1105-1117.	1.0	12
54	Mathematical analysis of colon glands for cancer diagnosis. , 2009, , .		0
55	Application of Neural Network Ensemble in NonlinearTime-Serials Forecasts. , 2009, , .		0

#	Article	IF	Citations
56	Physics and chemistry-driven artificial neural network for predicting bioactivity of peptides and proteins and their design. Journal of Theoretical Biology, 2009, 256, 428-435.	0.8	17
57	Knowledge and intelligent computing system in medicine. Computers in Biology and Medicine, 2009, 39, 215-230.	3.9	103
58	Predicting software reliability with neural network ensembles. Expert Systems With Applications, 2009, 36, 2116-2122.	4.4	99
59	Diversity of ability and cognitive style for group decision processes. Information Sciences, 2009, 179, 542-558.	4.0	39
60	Cost-Sensitive Classification Based on Bregman Divergences for Medical Diagnosis., 2009,,.		12
61	The study on dynamic extraction of urban land use cover with remote sensing image based on AdaBoost algorithm. , 2009, , .		1
62	An Ensemble Method for Medicine Best Selling Prediction. , 2009, , .		2
63	Autonomous auscultation of the human heart employing a precordial electro-phonocardiogram and ensemble empirical mode decomposition. Australasian Physical and Engineering Sciences in Medicine, 2010, 33, 171-183.	1.4	13
64	ECM-aware cell-graph mining for bone tissue modeling and classification. Data Mining and Knowledge Discovery, 2010, 20, 416-438.	2.4	53
65	A data driven ensemble classifier for credit scoring analysis. Expert Systems With Applications, 2010, 37, 534-545.	4.4	132
66	Medical image analysis with artificial neural networks. Computerized Medical Imaging and Graphics, 2010, 34, 617-631.	3.5	271
67	Neural Network Ensemble-Based Computer-Aided Diagnosis for Differentiation of Lung Nodules on CT Images. Academic Radiology, 2010, 17, 595-602.	1.3	46
68	A Windows Mobile Based Application for Detection of Cancer in Squamous Cell., 2010,,.		2
69	A multi-expert approach for developing testing and diagnostic systems based on the concept-effect model. Computers and Education, 2010, 55, 527-540.	5.1	54
70	Using Soft Computing to Analyze Inspection Results for Bridge Evaluation and Management. Journal of Bridge Engineering, 2010, 15, 430-438.	1.4	35
71	Lung carcinoma pigeonholing and vaticination by interspersed approach. , 2010, , .		0
72	Determine the Critical dimension in data mining (experiments with bioinformatics datasets)., 2011,,.		4
73	An Unparagoned Application for Red Blood Cell Counting using Marker Controlled Watershed Algorithm for Android Mobile. , $2011, \ldots$		12

#	ARTICLE	IF	CITATIONS
75	Enhancing the classification accuracy by scatter-search-based ensemble approach. Applied Soft Computing Journal, 2011, 11, 1021-1028.	4.1	30
76	The build of n-Bits Binary Coding ICBP Ensemble System. Neurocomputing, 2011, 74, 3509-3519.	3 . 5	11
77	An expert system for improving web-based problem-solving ability of students. Expert Systems With Applications, 2011, 38, 8664-8672.	4.4	29
78	Neural network ensemble modeling for nosiheptide fermentation process based on partial least squares regression. Chemometrics and Intelligent Laboratory Systems, 2011, 105, 125-130.	1.8	24
79	Neural network ensembles for video game AI using evolutionary multi-objective optimization. , 2011, , .		3
80	A two-dimensional fuzzy repertory grid approach for building medical expert systems. , 2011, , .		0
81	Quantitative Automated Image Analysis System with Automated Debris Filtering for the Detection of Breast Carcinoma Cells. Acta Cytologica, 2011, 55, 271-280.	0.7	10
82	ENHANCING SOFTWARE RELIABILITY OF A COMPLEX SOFTWARE SYSTEM ARCHITECTURE USING ARTIFICIAL NEURAL-NETWORKS ENSEMBLE. International Journal of Reliability, Quality and Safety Engineering, 2011, 18, 271-284.	0.4	9
83	Optimization of type-2 fuzzy integration in ensemble neural networks for predicting the Dow Jones time series. , 2012, , .		7
84	A new selective neural network ensemble with negative correlation. Applied Intelligence, 2012, 37, 488-498.	3.3	26
85	Fuzzy cognitive map ensemble learning paradigm to solve classification problems: Application to autism identification. Applied Soft Computing Journal, 2012, 12, 3798-3809.	4.1	82
86	Hybrid ensembles of decision trees and artificial neural networks. , 2012, , .		8
87	Machine learning and radiology. Medical Image Analysis, 2012, 16, 933-951.	7.0	497
88	Histology image analysis for carcinoma detection and grading. Computer Methods and Programs in Biomedicine, 2012, 107, 538-556.	2.6	260
89	Classification of Endomicroscopic Images of the Lung Based on Random Subwindows and Extra-Trees. IEEE Transactions on Biomedical Engineering, 2012, 59, 2677-2683.	2.5	40
90	Heart Disease Diagnosis Using Machine Learning Algorithm. Advances in Intelligent and Soft Computing, 2012, , 217-225.	0.2	37
91	Cyberspace Safety and Security. Lecture Notes in Computer Science, 2012, , .	1.0	0
92	Neural Networks and Decision Trees For Eye Diseases Diagnosis. , 0, , .		5

#	ARTICLE	IF	CITATIONS
93	Data Mining in Healthcare and Biomedicine: A Survey of the Literature. Journal of Medical Systems, 2012, 36, 2431-2448.	2.2	435
94	An intelligent model for the classification of children's occupational therapy problems. Expert Systems With Applications, 2012, 39, 5233-5242.	4.4	13
95	Development of an optimized multi-biomarker panel for the detection of lung cancer based on principal component analysis and artificial neural network modeling. Expert Systems With Applications, 2012, 39, 10851-10856.	4.4	25
96	GRAMOFON: General model-selection framework based on networks. Neurocomputing, 2012, 75, 163-170.	3.5	6
97	Cell-graph coloring for cancerous tissue modelling and classification. Multimedia Tools and Applications, 2013, 66, 229-245.	2.6	2
98	A privacy-preserving algorithm for distributed training of neural network ensembles. Neural Computing and Applications, 2013, 22, 269-282.	3.2	14
99	Multimodal Sparse Representation-Based Classification for Lung Needle Biopsy Images. IEEE Transactions on Biomedical Engineering, 2013, 60, 2675-2685.	2.5	29
100	Prediction of lung tumor types based on protein attributes by machine learning algorithms. SpringerPlus, 2013, 2, 238.	1.2	35
101	An efficient ensemble pruning algorithm using One-Path and Two-Trips searching approach. Knowledge-Based Systems, 2013, 51, 85-92.	4.0	10
102	Forecasting business failure using twoâ€stage ensemble of multivariate discriminant analysis and logistic regression. Expert Systems, 2013, 30, 385-397.	2.9	26
103	Transductive cost-sensitive lung cancer image classification. Applied Intelligence, 2013, 38, 16-28.	3.3	16
104	A New Method for Type-2 Fuzzy Integration in Ensemble Neural Networks Based on Genetic Algorithms. Studies in Computational Intelligence, 2013, , 173-182.	0.7	6
105	Automatic differential diagnosis of pancreatic serous and mucinous cystadenomas based on morphological features. Computers in Biology and Medicine, 2013, 43, 1-15.	3.9	15
106	A competitive ensemble pruning approach based on cross-validation technique. Knowledge-Based Systems, 2013, 37, 394-414.	4.0	68
107	Edge detection for diagnosis early Alzheimer's disease by using Weibull distribution., 2013,,.		4
108	Application of Artificial Neural Networks for Diagnosing Acute Appendicitis. Applied Mechanics and Materials, 0, 479-480, 445-450.	0.2	0
109	The Research of Data Stream Classification Based on Rough Set Theory-Neural Network Integration. Applied Mechanics and Materials, 2013, 441, 717-720.	0.2	0
110	Neural Network Ensemble Based on K-Means Clustering Individual Selection and Application for Software Reliability Prediction. , 2013, , .		2

#	Article	IF	CITATIONS
112	Multi-View Face Detection Based on Multi-Features AdaBoost Collaborative Learning Algorithm. Advanced Materials Research, 0, 998-999, 884-888.	0.3	0
113	A Novel Dynamic Weight Neural Network Ensemble Model. , 2014, , .		0
114	Detection of leukocoria using a soft fusion of expert classifiers under non-clinical settings. BMC Ophthalmology, 2014, 14, 110.	0.6	15
115	An effective ensemble pruning algorithm based on frequent patterns. Knowledge-Based Systems, 2014, 56, 79-85.	4.0	22
116	Particle swarm optimization of ensemble neural networks with fuzzy aggregation for time series prediction of the Mexican Stock Exchange. Information Sciences, 2014, 280, 188-204.	4.0	112
117	Comparing large number of metaheuristics for artificial neural networks training to predict water temperature in a natural river. Computers and Geosciences, 2014, 64, 136-151.	2.0	37
118	Development and implementation of clinical guidelines: An artificial intelligence perspective. Artificial Intelligence Review, 2014, 42, 999-1027.	9.7	26
119	Automated trading with performance weighted random forests and seasonality. Expert Systems With Applications, 2014, 41, 3651-3661.	4.4	108
120	A neuro-wavelet technique for seismic damage identification of cantilever structures. Structure and Infrastructure Engineering, 2014, 10, 1666-1684.	2.0	18
121	LibD3C: Ensemble classifiers with a clustering and dynamic selection strategy. Neurocomputing, 2014, 123, 424-435.	3.5	227
122	Virtual doctor: an artificial medical diagnostic system based on hard and soft inputs. International Journal of Biomedical Engineering and Technology, 2014, 16, 329.	0.2	6
123	Correlation Based Random Subspace Ensembles for Predicting Number of Axillary Lymph Node Metastases in Breast DCE-MRI Tumors. , 2015, , .		2
124	Acute appendicitis diagnosis using artificial neural networks. Technology and Health Care, 2015, 23, S559-S565.	0.5	28
125	Lung Cancer Prediction Using Neural Network Ensemble with Histogram of Oriented Gradient Genomic Features. Scientific World Journal, The, 2015, 2015, 1-17.	0.8	60
126	Improve the diagnosis of atrial hypertrophy with the local discriminative support vector machine. Bio-Medical Materials and Engineering, 2015, 26, S1813-S1820.	0.4	3
127	Optimization of Ensemble Neural Networks with Fuzzy Integration Using the Particle Swarm Algorithm for Time Series Prediction. Studies in Computational Intelligence, 2015, , 171-184.	0.7	1
128	A hybrid algorithm for feature subset selection in high-dimensional datasets using FICA and IWSSr algorithm. Applied Soft Computing Journal, 2015, 35, 123-135.	4.1	23
129	An ensemble neuro-fuzzy radial basis network with self-adaptive swarm based supervisor and negative correlation for modeling automotive engine coldstart hydrocarbon emissions: A soft solution to a crucial automotive problem. Applied Soft Computing Journal, 2015, 32, 449-467.	4.1	11

#	ARTICLE	IF	CITATIONS
130	A new reverse reduce-error ensemble pruning algorithm. Applied Soft Computing Journal, 2015, 28, 237-249.	4.1	31
131	Comparing various artificial neural network types for water temperature prediction in rivers. Journal of Hydrology, 2015, 529, 302-315.	2.3	97
132	Genetic Diagnosis of Cancer by Evolutionary Fuzzy-Rough based Neural-Network Ensemble. International Journal of Knowledge Discovery in Bioinformatics, 2016, 6, 1-16.	0.8	5
133	Automatic detection of major lung diseases using Chest Radiographs and classification by feed-forward artificial neural network. , $2016, , .$		57
134	Expert system for validation of academic credits in higher education institutions. IEEE Latin America Transactions, 2016, 14, 4136-4142.	1.2	1
135	A Neural Network Ensemble Classifier for Effective Intrusion Detection Using Fuzzy Clustering and Radial Basis Function Networks. International Journal on Artificial Intelligence Tools, 2016, 25, 1550033.	0.7	22
136	Genetic algorithm and Particle Swarm Optimization of ensemble neural networks with type-1 and type-2 fuzzy integration for prediction of the Taiwan Stock Exchange. , 2016, , .		5
137	ARTIFICIAL INTELLIGENT SYSTEMS APPLICATION IN CERVICAL CANCER PATHOLOGICAL CELL IMAGE CLASSIFICATION SYSTEMS — A REVIEW. Biomedical Engineering - Applications, Basis and Communications, 2016, 28, 1630001.	0.3	4
138	Ensemble Neural Network with Type-1 and Type-2 Fuzzy Integration for Time Series Prediction and Its Optimization with PSO. Studies in Fuzziness and Soft Computing, 2016, , 375-388.	0.6	2
139	PRUNING TREES IN RANDOM FORESTS FOR MINIMIZING NON DETECTION IN MEDICAL IMAGING. , 2016, , 89-107.		0
140	Disease prediction with different types of neural network classifiers. Telematics and Informatics, 2016, 33, 277-292.	3.5	94
141	Lung cancer classification using deep learned features on low population dataset. , 2017, , .		25
142	Machine Learning Method Applied in Readout System of Superheated Droplet Detector. IEEE Transactions on Nuclear Science, 2017, 64, 1659-1663.	1.2	0
144	Computer aided diagnosis in digital pathology application: Review and perspective approach in lung cancer classification., 2017, , .		17
145	Fusion of artificial neural networks for learning capability enhancement: Application to medical image classification. Expert Systems, 2017, 34, e12225.	2.9	8
146	An artificial neural networks approach for assessment treatment response in oncological patients using PET/CT images. BMC Medical Imaging, 2017, 17, 13.	1.4	14
147	An Efficient System for Heart Disease Prediction Using Hybrid OFBAT with Rule-Based Fuzzy Logic Model. Journal of Circuits, Systems and Computers, 2017, 26, 1750061.	1.0	78
148	Modeling the Retention of Organic Compounds by Nanofiltration and Reverse Osmosis Membranes Using Bootstrap Aggregated Neural Networks. Arabian Journal for Science and Engineering, 2017, 42, 1443-1453.	1.7	15

#	Article	IF	CITATIONS
149	Lung cancer classification using radial basis function neural network model with point operation. , 2017, , .		2
150	An optimized lung cancer classification system for computed tomography images. , 2017, , .		8
151	Rescuing Collective Wisdom when the Average Group Opinion Is Wrong. Frontiers in Robotics and AI, 2017, 4, .	2.0	27
152	Cuckoo Search Optimized Reduction and Fuzzy Logic Classifier for Heart Disease and Diabetes Prediction. International Journal of Fuzzy System Applications, 2017, 6, 25-42.	0.5	52
153	An overview of the use of artificial neural networks in lung cancer research. Journal of Thoracic Disease, 2017, 9, 924-931.	0.6	50
155	Heart disease classification system using optimised fuzzy rule based algorithm. International Journal of Biomedical Engineering and Technology, 2018, 27, 183.	0.2	41
156	Developing a Competency-based System to Enhance Knowledge Management Program. , 2018, , .		0
157	Prediction of Lung Cancer from Low-Resolution Nodules in CT-Scan Images by using Deep Features. , 2018, , .		11
158	Could Machine Learning Break the Convection Parameterization Deadlock?. Geophysical Research Letters, 2018, 45, 5742-5751.	1.5	246
159	Soft Computing based object detection and tracking approaches: State-of-the-Art survey. Applied Soft Computing Journal, 2018, 70, 423-464.	4.1	42
160	A Computer Vision Approach for Lung Cancer Classification Using FNAC-Based Cytological Images. Advances in Intelligent Systems and Computing, 2018, , 181-195.	0.5	5
161	ANN prediction of corrosion behaviour of uncoated and biopolymers coated cp-Titanium substrates. Materials and Design, 2018, 157, 35-51.	3.3	26
162	Ensemble Learning for Overall Power Conversion Efficiency of the All-Organic Dye-Sensitized Solar Cells. IEEE Access, 2018, 6, 34118-34126.	2.6	26
163	Classification and diagnostic prediction of prostate cancer using gene expression and artificial neural networks. Neural Computing and Applications, 2019, 31, 7539-7548.	3.2	12
164	Research and Application of Deep Belief Network Based on Local Binary Pattern and Improved Weight Initialization. , 2019, , .		1
165	Explainable Prediction of Chronic Renal Disease in the Colombian Population Using Neural Networks and Case-Based Reasoning. IEEE Access, 2019, 7, 152900-152910.	2.6	76
166	Ensemble Of Neural Networks For High Endothelial Venules Detection In Meca-79 Immunohistochemistry Images. , 2019, , .		0
167	The Machine Learning-Based Dropout Early Warning System for Improving the Performance of Dropout Prediction. Applied Sciences (Switzerland), 2019, 9, 3093.	1.3	68

#	Article	IF	CITATIONS
168	Head and Neck Cancer Detection in Digitized Whole-Slide Histology Using Convolutional Neural Networks. Scientific Reports, 2019, 9, 14043.	1.6	66
169	Initial Experiences with Artificial Neural Networks in the Detection of Computed Tomography Perfusion Deficits. World Neurosurgery, 2019, 124, e10-e16.	0.7	17
170	Spread binary artificial fish swarm algorithm combined with double-fault measure for ensemble pruning. Journal of Intelligent and Fuzzy Systems, 2019, 36, 4375-4387.	0.8	3
171	DELR: A double-level ensemble learning method for unsupervised anomaly detection. Knowledge-Based Systems, 2019, 181, 104783.	4.0	17
172	Prediction of irinotecan toxicity in metastatic colorectal cancer patients based on machine learning models with pharmacokinetic parameters. Journal of Pharmacological Sciences, 2019, 140, 20-25.	1.1	33
173	Physician perspectives on integration of artificial intelligence into diagnostic pathology. Npj Digital Medicine, 2019, 2, 28.	5.7	148
174	Modeling Data-Driven Liver Cancer Prediction with Medical Knowledge on Chinese Population. , 2019, , .		0
175	Computational beliefs. Inquiry (United Kingdom), 0, , 1-22.	0.4	1
176	Efficiency investigation from shallow to deep neural network techniques in human activity recognition. Cognitive Systems Research, 2019, 54, 37-49.	1.9	24
177	A hybrid CAD system design for liver diseases using clinical and radiological data. , 2019, , 289-314.		1
178	Ensemble-Based Machine Learning Algorithms for Classifying Breast Tissue Based on Electrical Impedance Spectroscopy. Advances in Intelligent Systems and Computing, 2020, , 260-266.	0.5	3
179	Detection and classification of pulmonary nodules using deep learning and swarm intelligence. Multimedia Tools and Applications, 2020, 79, 15437-15465.	2.6	29
180	An inception module CNN classifiers fusion method on pulmonary nodule diagnosis by signs. Tsinghua Science and Technology, 2020, 25, 368-383.	4.1	30
181	Deep learning for lung Cancer detection and classification. Multimedia Tools and Applications, 2020, 79, 7731-7762.	2.6	150
182	Implementation of Artificial Intelligence Techniques for Cancer Detection. Augmented Human Research, 2020, 5, 1.	3.5	39
183	Kernel Fusion Method for Detecting Cancer Subtypes via Selecting Relevant Expression Data. Frontiers in Genetics, 2020, 11, 979.	1.1	17
184	A General Outpatient Triage System Based on Dynamic Uncertain Causality Graph. IEEE Access, 2020, 8, 93249-93263.	2.6	9
185	Switchable Perovskite Photovoltaic Sensors for Bioinspired Adaptive Machine Vision. Advanced Intelligent Systems, 2020, 2, 2000122.	3.3	44

#	Article	IF	CITATIONS
186	Artificial intelligence for clinical decision support in neurology. Brain Communications, 2020, 2, fcaa096.	1.5	41
187	Applying Genetic Programming to Improve Interpretability in Machine Learning Models., 2020,,.		15
188	Not that kind of tree: Assessing the potential for decision tree–based plant identification using trait databases. Applications in Plant Sciences, 2020, 8, e11379.	0.8	5
189	Lung cancer detection using the SOM-GRR based radial basis function neural network. Journal of Physics: Conference Series, 2020, 1581, 012007.	0.3	1
190	Machine learning in geo- and environmental sciences: From small to large scale. Advances in Water Resources, 2020, 142, 103619.	1.7	138
191	Diagnostic accuracy of deep learning in orthopaedic fractures: a systematic review and meta-analysis. Clinical Radiology, 2020, 75, 713.e17-713.e28.	0.5	27
192	A novel machine learning technique for computer-aided diagnosis. Engineering Applications of Artificial Intelligence, 2020, 92, 103627.	4.3	41
193	Self-Paced Clustering Ensemble. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1497-1511.	7.2	47
194	A non-invasive cancer gene detection technique using FLANN based adaptive filter. Microsystem Technologies, 2021, 27, 463-478.	1.2	5
195	An anatomization on breast cancer detection and diagnosis employing multi-layer perceptron neural network (MLP) and Convolutional neural network (CNN). Clinical EHealth, 2021, 4, 1-11.	4.1	175
196	Attention-based VGG-16 model for COVID-19 chest X-ray image classification. Applied Intelligence, 2021, 51, 2850-2863.	3.3	180
197	Deep Learning for Cancer Diagnosis. Studies in Computational Intelligence, 2021, , .	0.7	12
198	Classification of malignant lung cancer using deep learning. Journal of Medical Engineering and Technology, 2021, 45, 85-93.	0.8	4
199	Three Stream Network Model for Lung Cancer Classification in the CT Images. Open Computer Science, 2021, 11, 251-261.	1.3	7
200	Unsupervised and scalable low train pathology detection system based on neural networks. Heliyon, 2021, 7, e06270.	1.4	1
201	Nodule Detection with Convolutional Neural Network Using Apache Spark and GPU Frameworks. Applied Sciences (Switzerland), 2021, 11, 2838.	1.3	8
202	Detection of new coronavirus disease from chest x-ray images using pre-trained convolutional neural networks. Journal of the Faculty of Engineering and Architecture of Gazi University, 2021, 36, 2095-2108.	0.3	4
203	Autoregressive parametric modeling combined ANOVA approach for label-free-based cancerous and normal cells discrimination. Heliyon, 2021, 7, e07027.	1.4	1

#	Article	IF	CITATIONS
204	New bag of deep visual words based features to classify chest x-ray images for COVID-19 diagnosis. Health Information Science and Systems, 2021, 9, 24.	3.4	24
205	Detection and classification of lung diseases for pneumonia and Covid-19 using machine and deep learning techniques. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 3239-3259.	3.3	40
206	Theoretical Investigation of Photoacoustics From Cancer Cells: Modified Models. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-10.	1.9	0
207	Evaluating Deterioration of Tunnels Using Computational Machine Learning Algorithms. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	18
208	Automated Identification of Substantial Changes in Construction Projects of Airport Improvement Program: Machine Learning and Natural Language Processing Comparative Analysis. Journal of Management in Engineering - ASCE, 2021, 37, .	2.6	27
209	Methodologies for studying the structure–function relationship of food-derived peptides with biological activities. , 2021, , 239-254.		0
210	Analyzing Domain Expertise by Considering Variants of Knowledge in Multiple Time Scales. Lecture Notes in Computer Science, 2005, , 1324-1330.	1.0	2
211	Microarray Data Classified by Artificial Neural Networks. Methods in Molecular Biology, 2007, 382, 345-372.	0.4	17
212	You Should Use Regression to Detect Cells. Lecture Notes in Computer Science, 2015, , 276-283.	1.0	74
213	Optimization of Ensemble Neural Networks with Type-1 and Type-2 Fuzzy Integration for Prediction of the Taiwan Stock Exchange. Studies in Fuzziness and Soft Computing, 2018, , 151-164.	0.6	4
214	Classification of Pulmonary Nodules Using Neural Network Ensemble. Lecture Notes in Computer Science, 2011, , 460-466.	1.0	9
215	Convolutional Neural Network Approach for the Detection of Lung Cancers in Chest X-Ray Images. Studies in Computational Intelligence, 2021, , 203-226.	0.7	1
216	Abductive Network Committees for Improved Classification of Medical Data. Methods of Information in Medicine, 2004, 43, 192-201.	0.7	10
217	Coupled Analysis of In Vitro and Histology Tissue Samples to Quantify Structure-Function Relationship. PLoS ONE, 2012, 7, e32227.	1.1	27
218	Visible to long-wave infrared chip-scale spectrometers based on photodetectors with tailored responsivities and multispectral filters. Nanophotonics, 2020, 9, 3197-3208.	2.9	23
219	Artificial Intelligence Techniques for Cancer Detection and Classification: Review Study. European Scientific Journal, 2017, 13, 342.	0.0	9
220	Adaptive Shape based Interactive Approach to Segmentation for Nodule in Lung CT Scans. Journal of Soft Computing Paradigm, 2020, 2, 216-225.	2.9	20
221	Improves Treatment Programs of Lung Cancer Using Data Mining Techniques. Journal of Software Engineering and Applications, 2014, 07, 69-77.	0.8	16

#	Article	IF	CITATIONS
222	Current Status and Future Potential of Neural Networks Used for Medical Image Processing. Journal of Multimedia, $2011, 6, .$	0.3	12
223	Ensembling of EGFR Mutations based Artificial Neural Networks for Improved Diagnosis of NonSmall Cell Lung Cancer. International Journal of Computer Applications, 2011, 20, 39-47.	0.2	7
224	A Neuro-Fuzzy Inference Model for Breast Cancer Recognition. International Journal of Computer Science and Information Technology, 2012, 4, 163-173.	0.3	19
225	Deep Learning Causal Attributions of Breast Cancer. Lecture Notes in Networks and Systems, 2021, , 124-135.	0.5	0
226	Ensemble Strategies for Neural Network Classifiers. , 2007, , 39-60.		0
227	Predicting the Occupancy of the HF Amateur Service with Neural Network Ensembles. Lecture Notes in Computer Science, 2009, , 335-344.	1.0	0
228	Lung Cancer Detection Using Labeled Sputum Sample: Multi Spectrum Approach. Lecture Notes in Computer Science, 2011, , 446-458.	1.0	2
229	Towards Effective Algorithms for Intelligent Defense Systems. Lecture Notes in Computer Science, 2012, , 498-508.	1.0	1
230	OPTIMUM NUMBERS OF SINGLE NETWORK FOR COMBINATION IN MULTIPLE NEURAL NETWORKS MODELING APPROACH FOR MODELING NONLINEAR SYSTEM. IIUM Engineering Journal, 2012, 12, .	0.5	0
231	Design and Development of Expert System for Lung image Analysis. IOSR Journal of Electronics and Communication Engineering, 2014, 9, 01-07.	0.1	0
232	Overview of Predictive Modeling Approaches in Health Care Data Mining. Advances in Data Mining and Database Management Book Series, 2014, , 349-370.	0.4	0
235	A NOVEL SHAPE BASED FEATURE EXTRACTION TECHNIQUE FOR DIAGNOSIS OF LUNG DISEASES USING EVOLUTIONARY APPROACH. ICTACT Journal on Soft Computing, 2014, 4, 804-810.	0.7	0
237	Ensemble Neural Network Optimization Using the Particle Swarm Algorithm with Type-1 and Type-2 Fuzzy Integration for Time Series Prediction. Studies in Computational Intelligence, 2015, , 139-149.	0.7	1
238	A New Decision Tree Ensembles Method for Fake Apps Detection in Android Platform. , 2015, , .		0
239	A Novel Dynamic Weight Neural Network Ensemble Model. International Journal of Distributed Sensor Networks, 2015, 11, 862056.	1.3	3
240	Attribute Selection and Classification of Prostate Cancer Gene Expression Data Using Artificial Neural Networks. Lecture Notes in Computer Science, 2016, , 26-34.	1.0	4
241	Overview of Predictive Modeling Approaches in Health Care Data Mining., 2016,, 73-95.		1
242	Diabetes Diagnoser: Expert System for Diagnosis of Diabetes Type-II. International Journal of Computer Applications, 2016, 148, 19-25.	0.2	0

#	Article	IF	CITATIONS
243	Optimization of Ensemble Neural Networks with Type-1 and Interval Type-2 Fuzzy Integration for Forecasting the Taiwan Stock Exchange. Studies in Computational Intelligence, 2018, , 169-181.	0.7	1
244	Evaluating Various Lung Cancer Nodule Detection Techniques—A Comparative Study. Journal of Testing and Evaluation, 2018, 46, 798-819.	0.4	0
245	Metaheuristic-Based Hybrid Feature Selection Models. Advances in Computational Intelligence and Robotics Book Series, 2018, , 1-22.	0.4	1
246	EGFR Microdeletion Mutations Analysis System Model Using Parameters Combinations Generator for Design of RADBAS Neural Network Knowledge Based Identifier. International Journal of Computational Intelligence Systems, 2018, 11, 1248.	1.6	0
247	Cell nuclei segmentation in divergent images using deep learning and stochastic processing. , 2019, , .		0
248	Detection of squamous cell carcinoma in digitized histological images from the head and neck using convolutional neural networks. , 2019, 10956, .		4
249	Classifying Metastatic Cancer Lymph Node Histopathology Using Cross Validation on Convolutional Neural Networks. SSRN Electronic Journal, 0, , .	0.4	0
250	Genetic Diagnosis of Cancer by Evolutionary Fuzzy-Rough based Neural-Network Ensemble. , 2020, , 645-662.		2
251	3D-CNN Based Computer-Aided Diagnosis (CADx) for Lung Nodule Diagnosis. Communications in Computer and Information Science, 2020, , 35-43.	0.4	0
252	Resistive Crossbar-Aware Neural Network Design and Optimization. IEEE Access, 2020, 8, 229066-229085.	2.6	6
253	Deep Random Forests for Small Sample Size Prediction with Medical Imaging Data. , 2020, , .		3
254	Lung Cancer Prediction Using Curriculum Learning Based Deep Neural Networks. , 2021, , .		1
256	Chromatinmuster-basierte Zellklassifizierung f $\tilde{A}^{1}\!\!/\!\!4$ r die DNS-Bildzytometrie an Mundschleimhaut-Abstrichen. , 2007, , 257-261.		0
258	Hybrid Ensemble Pruning Using Coevolution Binary Glowworm Swarm Optimization and Reduce-Error. Complexity, 2020, 2020, 1-15.	0.9	5
259	Comparison of Genetic Algorithm and Particle Swarm Optimization of Ensemble Neural Networks for Complex Time Series Prediction. Studies in Computational Intelligence, 2021, , 51-77.	0.7	4
260	Effective Identification and Prediction of Breast Cancer Gene Using Volterra Based LMS/F Adaptive Filter. Advances in Intelligent Systems and Computing, 2021, , 305-314.	0.5	1
261	Survey on Neural Networks Used for Medical Image Processing. International Journal of Computational Science, 2009, 3, 86-100.	1.0	9
262	Meta-heuristic Techniques to Train Artificial Neural Networks for Medical Image Classification: A Review. Recent Advances in Computer Science and Communications, 2022, 15, .	0.5	1

#	Article	IF	CITATIONS
263	Comparative performance of eight ensemble learning approaches for the development of models of slope stability prediction. Acta Geotechnica, 2022, 17, 1477-1502.	2.9	41
264	Al-based carcinoma detection and classification using histopathological images: A systematic review. Computers in Biology and Medicine, 2022, 142, 105209.	3.9	21
265	A Survey on Various Applications of Artificial Neural Networks in Selected Fields of Healthcare. , 0, , 20-59.		1
267	Hybrid Optimized Learning for Lung Cancer Classification. Intelligent Automation and Soft Computing, 2022, 34, 911-925.	1.6	1
268	Target Pose Estimation using Fused Radio Frequency Data within Ensembled Neural Networks., 2022,,.		1
269	Artificial Intelligence and Machine Learning in Cancer Research: A Systematic and Thematic Analysis of the Top 100 Cited Articles Indexed in Scopus Database. Cancer Control, 2022, 29, 107327482210959.	0.7	16
270	Early Prediction of Lung Cancers Using Deep Saliency Capsule and Pre-Trained Deep Learning Frameworks. Frontiers in Oncology, 0, 12 , .	1.3	21
271	Optimizable Image Segmentation Method with Superpixels and Feature Migration for Aerospace Structures. Aerospace, 2022, 9, 465.	1.1	7
272	Liver Tumor Detection Using CNN. Lecture Notes in Networks and Systems, 2022, , 385-404.	0.5	3
273	Chronic kidney disease prediction with feature selection and extraction using machine learning. AIP Conference Proceedings, 2022, , .	0.3	0
274	CPNet: A Hybrid Neural Network for Identification of Carcinoma Pathological Slices. , 2022, , .		0
275	Enhanced Perspective Generation by Consensus of NeX neural models. , 2022, , .		0
276	Cancer Prognosis and Diagnosis Methods Based on Ensemble Learning. ACM Computing Surveys, 2023, 55, 1-34.	16.1	10
277	USE OF ARTIFICIAL NEURONIC NEURAL NETWORKS IN DIAGNOSTICS OF THE CARDIALGIA SYNDROME. Problemy Zdorovʹâ I ðkologii, 2008, , 23-28.	0.0	0
278	Breast Cancer Classification Model Using Principal Component Analysis and Deep Neural Network. Smart Innovation, Systems and Technologies, 2023, , 137-149.	0.5	1
279	Automatic lung disease classification from the chest X-ray images using hybrid deep learning algorithm. Multimedia Tools and Applications, 2023, 82, 38561-38587.	2.6	10
280	Privacy-Preserving Multi-party Neural Network Learning Over Incomplete Data. , 2022, , .		0
281	Design and Comparison Of Deep Learning Architecture For Image-based Detection of Plant Diseases. , 2023, , 222-239.		0

#	ARTICLE	IF	CITATIONS
282	Lung Cancer Disease Prediction Using Machine Learning Techniques. Springer Proceedings in Mathematics and Statistics, 2023, , 501-514.	0.1	0
288	A Review of Ensemble Methods Used in Al Applications. Lecture Notes in Electrical Engineering, 2023, , 145-157.	0.3	0
294	R-LSTM-CNN Framework Based Lung Cancer Detection and Classification from Chest CT Images. , 2023, , .		0
297	An Al Decision System to Predict Lung Nodules through Localization from Chest X-ray Images. , 2023, , .		0