

Random Forest Algorithm for the Classification of Neur Disease: A Systematic Review

Frontiers in Aging Neuroscience

9, 329

DOI: [10.3389/fnagi.2017.00329](https://doi.org/10.3389/fnagi.2017.00329)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Machine learning for bioinformatics and neuroimaging. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1248.	4.6	23
2	Editorial on special issue: Machine learning on MCI. Journal of Neuroscience Methods, 2018, 302, 1-2.	1.3	33
3	Personality biomarkers of pathological gambling: A machine learning study. Journal of Neuroscience Methods, 2018, 294, 7-14.	1.3	14
4	Identification of Optimum Panel of Blood-based Biomarkers for Alzheimer's Disease Diagnosis Using Machine Learning. , 2018, 2018, 3991-3994.		10
5	Salient networks: a novel application to study Alzheimer disease. BioMedical Engineering OnLine, 2018, 17, 162.	1.3	1
6	The application of artificial intelligence to understand the pathophysiological basis of psychogenic nonepileptic seizures. Epilepsy and Behavior, 2018, 87, 167-172.	0.9	29
7	Machine learning of neuroimaging for assisted diagnosis of cognitive impairment and dementia: A systematic review. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2018, 10, 519-535.	1.2	162
8	Phase lag index and spectral power as QEEG features for identification of patients with mild cognitive impairment in Parkinson's disease. Clinical Neurophysiology, 2019, 130, 1937-1944.	0.7	23
9	Predicting prognosis of endometrioid endometrial adenocarcinoma on the basis of gene expression and clinical features using Random Forest. Oncology Letters, 2019, 18, 1597-1606.	0.8	7
10	Deep Feature Selection and Causal Analysis of Alzheimer's Disease. Frontiers in Neuroscience, 2019, 13, 1198.	1.4	20
11	New screening approach for Alzheimer's disease risk assessment from urine lipid peroxidation compounds. Scientific Reports, 2019, 9, 14244.	1.6	25
12	Peripheral mitochondrial function correlates with clinical severity in idiopathic Parkinson's disease. Movement Disorders, 2019, 34, 1192-1202.	2.2	23
13	A practical computerized decision support system for predicting the severity of Alzheimer's disease of an individual. Expert Systems With Applications, 2019, 130, 157-171.	4.4	73
14	Random forest classifiers aid in the detection of incidental osteoblastic osseous metastases in DEXA studies. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 903-909.	1.7	16
15	Random forest prediction of Alzheimer's disease using pairwise selection from time series data. PLoS ONE, 2019, 14, e0211558.	1.1	70
16	Collaborative Filtering Recommendation Algorithm Based on Random Forest Filling. , 2019, , .		0
17	Supervised Sparse Components Analysis with Application to Brain Imaging Data. , 0, , .		0
18	Identification of clinical and urine biomarkers for uncomplicated urinary tract infection using machine learning algorithms. Scientific Reports, 2019, 9, 19694.	1.6	36

#	ARTICLE	IF	CITATIONS
19	The Use of Random Forests to Classify Amyloid Brain PET. <i>Clinical Nuclear Medicine</i> , 2019, 44, 784-788.	0.7	15
20	Parkinson's Disease Mid-Brain Assessment using MR T2 Images. , 2019, , .		3
21	Feature Extraction in Motor Activity Signal: Towards a Depression Episodes Detection in Unipolar and Bipolar Patients. <i>Diagnostics</i> , 2019, 9, 8.	1.3	26
22	Identification of the potential prognostic genes of human melanoma. <i>Journal of Cellular Physiology</i> , 2019, 234, 9810-9815.	2.0	6
23	Anterior Hippocampalâ€Cortical Functional Connectivity Distinguishes Antipsychotic NaÃve First-Episode Psychosis Patients From Controls and May Predict Response to Second-Generation Antipsychotic Treatment. <i>Schizophrenia Bulletin</i> , 2020, 46, 680-689.	2.3	33
24	Pharmacologically informed machine learning approach for identifying pathological states of unconsciousness via resting-state fMRI. <i>NeuroImage</i> , 2020, 206, 116316.	2.1	31
25	Machine learning based imaging biomarkers in large scale population studies: A neuroimaging perspective. , 2020, , 379-399.		8
26	Identifying Mild Cognitive Impairment with Random Forest by Integrating Multiple MRI Morphological Metrics. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 991-1002.	1.2	15
27	Machine learning method using position-specific mutation based classification outperforms one hot coding for disease severity prediction in haemophilia â€Aâ€™™. <i>Genomics</i> , 2020, 112, 5122-5128.	1.3	21
28	Machine learning improves mortality risk prediction after cardiac surgery: Systematic review and meta-analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, 2075-2087.e9.	0.4	49
29	A robust multiplex immunofluorescence and digital pathology workflow for the characterisation of the tumour immune microenvironment. <i>Molecular Oncology</i> , 2020, 14, 2384-2402.	2.1	71
30	The Use of Random Forests to Identify Brain Regions on Amyloid and FDG PET Associated With MoCA Score. <i>Clinical Nuclear Medicine</i> , 2020, 45, 427-433.	0.7	12
31	Machine Learning Methods in Drug Discovery. <i>Molecules</i> , 2020, 25, 5277.	1.7	182
32	Prediction of Clinical Outcome at Discharge After Rupture of Anterior Communicating Artery Aneurysm Using the Random Forest Technique. <i>Frontiers in Neurology</i> , 2020, 11, 538052.	1.1	10
33	Neuropsychological assessment could distinguish among different clinical phenotypes of progressive supranuclear palsy: A Machine Learning approach. <i>Journal of Neuropsychology</i> , 2021, 15, 301-318.	0.6	11
34	Prediction for cardiovascular diseases based on laboratory data: An analysis of random forest model. <i>Journal of Clinical Laboratory Analysis</i> , 2020, 34, e23421.	0.9	26
35	Personalized prediction of delayed graft function for recipients of deceased donor kidney transplants with machine learning. <i>Scientific Reports</i> , 2020, 10, 18409.	1.6	18
36	Diagnosis Approaches for Colorectal Cancer Using Manifold Learning and Deep Learning. <i>SN Computer Science</i> , 2020, 1, 1.	2.3	3

#	ARTICLE	IF	CITATIONS
37	Machine learning approaches identify male body size as the most accurate predictor of species richness. BMC Biology, 2020, 18, 105.	1.7	4
38	Optimization of parallel random forest algorithm based on distance weight. Journal of Intelligent and Fuzzy Systems, 2020, 39, 1951-1963.	0.8	9
39	Can machine learning improve mortality prediction following cardiac surgery?. European Journal of Cardio-thoracic Surgery, 2020, 58, 1130-1136.	0.6	29
40	Multimodal MRI Based Classification and Prediction of Alzheimer's Disease Using Random Forest Ensemble. , 2020, , .		12
41	Visual Search Efficiency in Mild Cognitive Impairment and Alzheimer's Disease: An Eye Movement Study. Journal of Alzheimer's Disease, 2020, 75, 261-275.	1.2	16
42	Detection of Electricity Theft Behavior Based on Improved Synthetic Minority Oversampling Technique and Random Forest Classifier. Energies, 2020, 13, 2039.	1.6	46
43	May personality influence the selection of life-long mate? A multivariate predictive model. Current Psychology, 2020, , 1.	1.7	1
44	Spatiotemporal dynamics and the contributing factors of residential vacancy at a fine scale: A perspective from municipal water consumption. Cities, 2020, 103, 102745.	2.7	14
45	A machine learning model to identify early stage symptoms of SARS-Cov-2 infected patients. Expert Systems With Applications, 2020, 160, 113661.	4.4	120
46	Artificial intelligence with multi-functional machine learning platform development for better healthcare and precision medicine. Database: the Journal of Biological Databases and Curation, 2020, , .	1.4	279
47	Radiomic prediction of mutation status based on MR imaging of lung cancer brain metastases. Magnetic Resonance Imaging, 2020, 69, 49-56.	1.0	34
48	Early prediction of circulatory failure in the intensive care unit using machine learning. Nature Medicine, 2020, 26, 364-373.	15.2	204
49	Random Forest Classification of Alcohol Use Disorder Using EEG Source Functional Connectivity, Neuropsychological Functioning, and Impulsivity Measures. Behavioral Sciences (Basel, Switzerland), 2020, 10, 62.	1.0	19
50	Evaluation of Brain Tortuosity Measurement for the Automatic Multimodal Classification of Subjects with Alzheimer's Disease. Computational Intelligence and Neuroscience, 2020, 2020, 1-11.	1.1	14
51	Nonlinear biomarker interactions in conversion from mild cognitive impairment to Alzheimer's disease. Human Brain Mapping, 2020, 41, 4406-4418.	1.9	23
52	Evaluation of the impact of body mass index on venous thromboembolism risk factors. PLoS ONE, 2020, 15, e0235007.	1.1	3
53	Random Forest Classification of Alcohol Use Disorder Using fMRI Functional Connectivity, Neuropsychological Functioning, and Impulsivity Measures. Brain Sciences, 2020, 10, 115.	1.1	27
54	Feature Selection and Combination of Information in the Functional Brain Connectome for Discrimination of Mild Cognitive Impairment and Analyses of Altered Brain Patterns. Frontiers in Aging Neuroscience, 2020, 12, 28.	1.7	39

#	ARTICLE	IF	CITATIONS
55	Socio-ecological determinants of multiple ecosystem services on the Mediterranean landscapes of the Ionian Islands (Greece). <i>Ecological Modelling</i> , 2020, 422, 108994.	1.2	32
56	Utilization of a convolutional method for Alzheimer disease diagnosis. <i>Machine Vision and Applications</i> , 2020, 31, 1.	1.7	14
57	Predicting the progression of mild cognitive impairment using machine learning: A systematic, quantitative and critical review. <i>Medical Image Analysis</i> , 2021, 67, 101848.	7.0	50
58	Artificial intelligence as an emerging technology in the current care of neurological disorders. <i>Journal of Neurology</i> , 2021, 268, 1623-1642.	1.8	94
59	Detection of Recovery of Covid-19 Cases using Machine Learning. <i>International Journal of Current Research and Review (discontinued)</i> , 2021, , 59-63.	0.1	2
60	Spillage Forecast Models in Hydroelectric Power Plants Using Information from Telemetry Stations and Hydraulic Control. <i>Energies</i> , 2021, 14, 184.	1.6	3
61	Performance Evaluation of the Supervised Machine Learning Algorithms Using R. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 397-406.	0.5	1
62	Artificial intelligence for risk prediction of Alzheimer's disease. , 2021, , 71-88.		2
63	A Machine Learning-Based Investigation of Gender-Specific Prognosis of Lung Cancers. <i>Medicina (Lithuania)</i> , 2021, 57, 99.	0.8	15
64	Development of Random Forest Algorithm Based Prediction Model of Alzheimer's Disease Using Neurodegeneration Pattern. <i>Psychiatry Investigation</i> , 2021, 18, 69-79.	0.7	17
65	Explainable Boosting Machine for Predicting Alzheimer's Disease from MRI Hippocampal Subfields. <i>Lecture Notes in Computer Science</i> , 2021, , 341-350.	1.0	16
67	Exploring Factors Associated with the Social Discrimination Experience of Children from Multicultural Families in South Korea by using Stacking with Non-linear Algorithm. <i>International Journal of Advanced Computer Science and Applications</i> , 2021, 12, .	0.5	4
68	A Multi Classifier Approach for Supporting Alzheimer's Diagnosis Based on Handwriting Analysis. <i>Lecture Notes in Computer Science</i> , 2021, , 559-574.	1.0	8
69	Prediction of lead (Pb) adsorption on attapulgite clay using the feasibility of data intelligence models. <i>Environmental Science and Pollution Research</i> , 2021, 28, 31670-31688.	2.7	14
70	MR Images, Brain Lesions, and Deep Learning. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1675.	1.3	14
71	Development of a Safety Management System Tracking the Weight of Heavy Objects Carried by Construction Workers Using FSR Sensors. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1378.	1.3	3
72	Quantitative Longitudinal Predictions of Alzheimer's Disease by Multi-Modal Predictive Learning. <i>Journal of Alzheimer's Disease</i> , 2021, 79, 1533-1546.	1.2	2
75	Using Machine Learning to Unravel the Value of Radiographic Features for the Classification of Bone Tumors. <i>BioMed Research International</i> , 2021, 2021, 1-10.	0.9	10

#	ARTICLE	IF	CITATIONS
76	Using Sampling Techniques and Machine Learning Algorithms to Improve Big Five Personality Traits Recognition from Non-verbal Cues. , 2021, , .		2
77	Spanish Influenza Score (SIS): utilidad del Machine Learning en el desarrollo de una escala temprana de predicci3n de mortalidad en la gripe grave. Medicina Intensiva, 2021, 45, 69-79.	0.4	3
78	Murine Atherosclerosis Detection Using Machine Learning Under Magnetic Resonance Imaging. , 2021, , .		2
79	Development of machine learning model for diagnostic disease prediction based on laboratory tests. Scientific Reports, 2021, 11, 7567.	1.6	51
80	Diagnostic Classification and Biomarker Identification of Alzheimerâ€™s Disease with Random Forest Algorithm. Brain Sciences, 2021, 11, 453.	1.1	36
81	Screening for Core Genes Related to Pathogenesis of Alzheimerâ€™s Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 668738.	1.8	3
82	Random forest model for feature-based Alzheimerâ€™s disease conversion prediction from early mild cognitive impairment subjects. PLoS ONE, 2021, 16, e0244773.	1.1	27
83	Classification Models for COVID-19 Test Prioritization in Brazil: Machine Learning Approach. Journal of Medical Internet Research, 2021, 23, e27293.	2.1	24
84	A machine learning framework to predict antibiotic resistance traits and yet unknown genes underlying resistance to specific antibiotics in bacterial strains. Briefings in Bioinformatics, 2021, 22, .	3.2	15
85	Impaired Cytotoxic Response in PBMCs From Patients With COVID-19 Admitted to the ICU: Biomarkers to Predict Disease Severity. Frontiers in Immunology, 2021, 12, 665329.	2.2	26
87	Predicting demand for air taxi urban aviation services using machine learning algorithms. Journal of Air Transport Management, 2021, 92, 102043.	2.4	32
88	Nonadditivity in public and inhouse data: implications for drug design. Journal of Cheminformatics, 2021, 13, 47.	2.8	11
89	Metabolic connectivity-based single subject classification by multi-regional linear approximation in the rat. NeuroImage, 2021, 235, 118007.	2.1	3
90	Development and Validation of a Random Forest Risk Prediction Pneumothorax Model in Percutaneous Transthoracic Needle Biopsy. Medical Science Monitor, 2021, 27, e932137.	0.5	0
91	Calibrating Mini-Mental State Examination Scores to Predict Misdiagnosed Dementia Patients. Applied Sciences (Switzerland), 2021, 11, 8055.	1.3	2
92	Comparative Analysis of Support Vector Machine (SVM) and Random Forest (RF) Classification for Cancer Detection using Microarray. , 2021, , .		1
93	Aggregate Trends of Apolipoprotein E on Cognition in Transgenic Alzheimerâ€™s Disease Mice. Journal of Alzheimer's Disease, 2021, 83, 435-450.	1.2	4
94	Lipidomics Prediction of Parkinsonâ€™s Disease Severity: A Machine-Learning Analysis. Journal of Parkinson's Disease, 2021, 11, 1141-1155.	1.5	11

#	ARTICLE	IF	CITATIONS
95	Prediction of Motor Function in Stroke Patients Using Machine Learning Algorithm: Development of Practical Models. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105856.	0.7	15
96	Real-time prediction of intradialytic relative blood volume: a proof-of-concept for integrated cloud computing infrastructure. <i>BMC Nephrology</i> , 2021, 22, 274.	0.8	7
97	Uterine Synchronization Analysis During Pregnancy and Labor Using Graph Theory, Classification Based on Neural Network and Deep Learning. <i>Irbm</i> , 2022, 43, 333-339.	3.7	3
98	Machine Learning in Modeling of Mouse Behavior. <i>Frontiers in Neuroscience</i> , 2021, 15, 700253.	1.4	8
99	Gene clusters based on OLIG2 and CD276 could distinguish molecular profiling in glioblastoma. <i>Journal of Translational Medicine</i> , 2021, 19, 404.	1.8	2
101	Machine learning methods for predicting progression from mild cognitive impairment to Alzheimer's disease dementia: a systematic review. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 162.	3.0	84
102	Repurposing Routine Imaging for Cancer Biomarker Discovery Using Machine Learning. <i>Intelligent Systems Reference Library</i> , 2022, , 153-176.	1.0	2
103	Metagenome-Based Disease Classification with Deep Learning and Visualizations Based on Self-organizing Maps. <i>Lecture Notes in Computer Science</i> , 2019, , 307-319.	1.0	7
104	Predicting Cancer Patients' Survival Using Random Forests. <i>Lecture Notes in Computer Science</i> , 2020, , 96-106.	1.0	1
108	Functional magnetic resonance imaging classification based on random forest algorithm in Alzheimer's disease. , 2019, , .		1
109	Tunable Q wavelet transform based emotion classification in Parkinson's disease using Electroencephalography. <i>PLoS ONE</i> , 2020, 15, e0242014.	1.1	28
110	Medical Informatics Platform (MIP): A Pilot Study Across Clinical Italian Cohorts. <i>Frontiers in Neurology</i> , 2020, 11, 1021.	1.1	10
111	How random is the random forest? Random forest algorithm on the service of structural imaging biomarkers for Alzheimer's disease: from Alzheimer's disease neuroimaging initiative (ADNI) database. <i>Neural Regeneration Research</i> , 2018, 13, 962.	1.6	53
112	Evolving A Neural Network to Predict Diabetic Neuropathy. <i>EAI Endorsed Transactions on Scalable Information Systems</i> , 0, , 166765.	0.8	2
113	Development of a Two-State Gaussian Hidden Markov Model for Modelling Dementia Progression in Patients with Mild Cognitive Impairment. , 2021, , .		0
114	Improved Prediction of Gene Expression of Epigenomics Data of Lung Cancer Using Machine Learning and Deep Learning Models. , 2021, , 165-182.		2
115	Improved Random Forest Algorithm Based on Decision Paths for Fault Diagnosis of Chemical Process with Incomplete Data. <i>Sensors</i> , 2021, 21, 6715.	2.1	11
118	Imaging Connectomics and the Understanding of Brain Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1192, 139-158.	0.8	0

#	ARTICLE	IF	CITATIONS
120	Parsimonious Models of Precipitation Phase Derived from Random Forest Knowledge: Intercomparing Logistic Models, Neural Networks, and Random Forest Models. <i>Water (Switzerland)</i> , 2021, 13, 3022.	1.2	1
121	Classification of Type 2 Diabetes Using Machine Learning Techniques. <i>European Journal of Science and Technology</i> , 0, , .	0.5	0
122	Machine learning-based statistical analysis for early stage detection of cervical cancer. <i>Computers in Biology and Medicine</i> , 2021, 139, 104985.	3.9	35
124	Identification of Immunological Parameters as Predictive Biomarkers of Relapse in Patients with Chronic Myeloid Leukemia on Treatment-Free Remission. <i>Journal of Clinical Medicine</i> , 2021, 10, 42.	1.0	13
125	THE DEVELOPMENT AND VALIDATION OF A DISABILITY AND OUTCOME PREDICTION ALGORITHM IN MULTIPLE SCLEROSIS PATIENTS. <i>Farmacia</i> , 2020, 68, 1147-1154.	0.1	1
126	Early-stage diagnosis of chronic kidney disease using majority vote " Grey Wolf optimization (MV-GWO). <i>Health and Technology</i> , 2022, 12, 117-136.	2.1	2
127	State-of-the-Art Machine Learning Techniques for Diagnosis of Alzheimer's Disease from MR-Images: A Systematic Review. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 2737-2780.	6.0	5
129	Machine learning techniques for diagnosis of alzheimer disease, mild cognitive disorder, and other types of dementia. <i>Biomedical Signal Processing and Control</i> , 2022, 72, 103293.	3.5	69
130	Generating diagnostic profiles of cognitive decline and dementia using magnetoencephalography. <i>Neurobiology of Aging</i> , 2022, 111, 82-94.	1.5	5
131	Evaluation of the Effectiveness of Herbal Components Based on Their Regulatory Signature on Carcinogenic Cancer Cells. <i>Cells</i> , 2021, 10, 3139.	1.8	4
133	BCN-GCN: A Novel Brain Connectivity Network Classification Method via Graph Convolution Neural Network for Alzheimer's Disease. <i>Lecture Notes in Computer Science</i> , 2021, , 657-668.	1.0	4
134	Machine learning trained with quantitative susceptibility mapping to detect mild cognitive impairment in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2022, 94, 104-110.	1.1	10
135	Extracting Explainable Assessments of Alzheimer's disease via Machine Learning on brain MRI imaging data. , 2020, , .		10
137	Development of machine learning models for mortality risk prediction after cardiac surgery. <i>Cardiovascular Diagnosis and Therapy</i> , 2022, 12, 12-23.	0.7	10
138	Random Forest Model in the Diagnosis of Dementia Patients with Normal Mini-Mental State Examination Scores. <i>Journal of Personalized Medicine</i> , 2022, 12, 37.	1.1	9
139	Developing a Predictive Model for Depressive Disorders Using Stacking Ensemble and Naive Bayesian Nomogram: Using Samples Representing South Korea. <i>Frontiers in Psychiatry</i> , 2021, 12, 773290.	1.3	5
140	Detecting epilepsy in EEG signals using synchro-extracting-transform (SET) supported classification technique. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 10123-10141.	3.3	7
141	Artificial intelligence techniques. , 2022, , 69-100.		7

#	ARTICLE	IF	CITATIONS
142	A machine learning approach to predict e-cigarette use and dependence among Ontario youth. <i>Health Promotion and Chronic Disease Prevention in Canada: Research, Policy and Practice</i> , 2022, 42, 21-28.	0.8	3
143	Machine Learning-Based Assessment of Cognitive Impairment Using Time-Resolved Near-Infrared Spectroscopy and Basic Blood Test. <i>Frontiers in Neurology</i> , 2021, 12, 624063.	1.1	2
144	An Exploration: Alzheimer's Disease Classification Based on Convolutional Neural Network. <i>BioMed Research International</i> , 2022, 2022, 1-19.	0.9	24
145	Evaluating pointwise reliability of machine learning prediction. <i>Journal of Biomedical Informatics</i> , 2022, 127, 103996.	2.5	24
146	Detecting Cognitive Impairment Status Using Keystroke Patterns and Physical Activity Data among the Older Adults: A Machine Learning Approach. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-16.	1.1	3
148	Prediction of abnormal pregnancy in pregnant women with Advanced maternal age and Pregestational Diabetes using Machine learning models. , 2022, , .		5
149	Role of Machine Learning in Handling the COVID-19 Pandemic. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2022, , 212-250.	0.3	0
150	Prediction of Disability in Multiple System Atrophy Based on Machine Learning Algorithm: A Prospective Cohort Study. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
151	Editorial for the Special Issue on "Machine Learning in Healthcare and Biomedical Application" Algorithms, 2022, 15, 97.	1.2	5
152	Persistent Overactive Cytotoxic Immune Response in a Spanish Cohort of Individuals With Long-COVID: Identification of Diagnostic Biomarkers. <i>Frontiers in Immunology</i> , 2022, 13, 848886.	2.2	45
153	A systematic analysis of diagnostic performance for Alzheimer's disease using structural MRI. <i>Psychoradiology</i> , 2022, 2, 1-9.	1.0	3
154	Vaccine hesitancy in the post-vaccination COVID-19 era: a machine learning and statistical analysis driven study. <i>Evolutionary Intelligence</i> , 2023, 16, 739-757.	2.3	4
155	Prediction of Atrial Fibrillation in Hospitalized Elderly Patients With Coronary Heart Disease and Type 2 Diabetes Mellitus Using Machine Learning: A Multicenter Retrospective Study. <i>Frontiers in Public Health</i> , 2022, 10, 842104.	1.3	1
156	Identification of Radiomic Features as an Imaging Marker to Differentiate Benign and Malignant Breast Masses Based on Magnetic Resonance Imaging. <i>Imaging</i> , 2022, , .	0.3	0
158	Machine Learning Models for Predicting Breast Cancer Risk in Women Exposed to Blue Light from Digital Screens. <i>Journal of Biomedical Physics and Engineering</i> , 0, , .	0.5	0
159	PlasmidHostFinder: Prediction of Plasmid Hosts Using Random Forest. <i>MSystems</i> , 2022, 7, e0118021.	1.7	8
160	Predicting surgical decision-making in vestibular schwannoma using tree-based machine learning. <i>Neurosurgical Focus</i> , 2022, 52, E8.	1.0	5
161	Artificial intelligence in brain MRI analysis of Alzheimer's disease over the past 12 years: A systematic review. <i>Ageing Research Reviews</i> , 2022, 77, 101614.	5.0	33

#	ARTICLE	IF	CITATIONS
162	MSSort-DIAXMBD: A deep learning classification tool of the peptide precursors quantified by OpenSWATH. <i>Journal of Proteomics</i> , 2022, 259, 104542.	1.2	6
163	Artificial intelligence approaches to the biochemistry of oxidative stress: Current state of the art. <i>Chemico-Biological Interactions</i> , 2022, 358, 109888.	1.7	5
164	A "Mini Linguistic State Examination"™ to classify primary progressive aphasia. <i>Brain Communications</i> , 2022, 4, fcab299.	1.5	15
165	A Deep Learning Based Prediction Model for Diagnosing Diseases with Similar Symptoms. , 2021, , .		0
166	Prediction of the effective reproduction number of COVID-19 in Greece. A machine learning approach using Google mobility data. , 2021, 1, 1-21.		3
167	Feature aggregation graph convolutional network based on imaging genetic data for diagnosis and pathogen identification of Alzheimer's disease. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	4
168	Investigation of serum markers of esophageal squamous cell carcinoma based on machine learning methods. <i>Journal of Biochemistry</i> , 2022, 172, 29-36.	0.9	3
182	Lipid level alteration in human and cellular models of alpha synuclein mutations. <i>Npj Parkinson's Disease</i> , 2022, 8, 52.	2.5	3
183	Comparison of manual and automated digital image analysis systems for quantification of cellular protein expression.. <i>Histology and Histopathology</i> , 2022, , 18434.	0.5	3
184	Predicting Motor Responsiveness to Deep Brain Stimulation with Machine Learning.. <i>AMIA ... Annual Symposium proceedings</i> , 2021, 2021, 651-659.	0.2	0
185	Insight into potent TLR2 inhibitors for the treatment of disease caused by <i>Mycoplasma pneumoniae</i> based on machine learning approaches. <i>Molecular Diversity</i> , 2023, 27, 371-387.	2.1	21
186	CT-based radiomics analysis of different machine learning models for differentiating benign and malignant parotid tumors. <i>European Radiology</i> , 2022, 32, 6953-6964.	2.3	24
187	Gene expression programming and data mining methods for bushfire susceptibility mapping in New South Wales, Australia. <i>Natural Hazards</i> , 0, , 1.	1.6	5
188	Recommendations for machine learning benchmarks in neuroimaging. <i>NeuroImage</i> , 2022, 257, 119298.	2.1	5
189	Artificial intelligence in cancer target identification and drug discovery. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 156.	7.1	77
190	Prediction of Early Alzheimer Disease by Hippocampal Volume Changes under Machine Learning Algorithm. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-11.	0.7	3
191	Implementation of a Heart Disease Risk Prediction Model Using Machine Learning. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-14.	0.7	22
192	Overlap between Central and Peripheral Transcriptomes in Parkinson's Disease but Not Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5200.	1.8	5

#	ARTICLE	IF	CITATIONS
193	Analysis of Machine Learning Techniques for Sentinel-2A Satellite Images. Journal of Electrical and Computer Engineering, 2022, 2022, 1-16.	0.6	7
195	Explainable machine learning with pairwise interactions for the classification of Parkinson's disease and SWEDD from clinical and imaging features. Brain Imaging and Behavior, 2022, 16, 2188-2198.	1.1	12
196	Using Machine Learning Method to Design Integrated Sustainable Bioethanol Supply Chain Network. SSRN Electronic Journal, 0, , .	0.4	0
198	Development of Machine-Learning Model to Predict COVID-19 Mortality: Application of Ensemble Model and Regarding Feature Impacts. Diagnostics, 2022, 12, 1464.	1.3	7
199	Artificial intelligence and machine learning in precision and genomic medicine. , 2022, 39, .		53
200	<tt>PIPS</tt>, an advanced platform for period detection in time series " I. Fourier-likelihood periodogram and application to RR Lyrae stars. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4489-4505.	1.6	2
201	Shared and Specific Patterns of Structural Brain Connectivity Across Affective and Psychotic Disorders. Biological Psychiatry, 2023, 93, 178-186.	0.7	16
202	Prediction of Dental Implants Using Machine Learning Algorithms. Journal of Healthcare Engineering, 2022, 2022, 1-12.	1.1	6
203	Classification of ternary data using the ternary Allen's Cahn system for small datasets. AIP Advances, 2022, 12, .	0.6	4
204	Incorporating a Machine Learning Model into a Web-Based Administrative Decision Support Tool for Predicting Workplace Absenteeism. Information (Switzerland), 2022, 13, 320.	1.7	2
205	Digital Phenotyping in Health Using Machine Learning Approaches: Scoping Review. JMIR Bioinformatics and Biotechnology, 2022, 3, e39618.	0.4	7
206	Machine learning algorithms for predicting smokeless tobacco status among women in Northeastern States, India. International Journal of Systems Assurance Engineering and Management, 0, , .	1.5	0
207	Machine Learning and Artificial Intelligence: A Paradigm Shift in Big Data-Driven Drug Design and Discovery. Current Topics in Medicinal Chemistry, 2022, 22, 1692-1727.	1.0	8
208	Exploratory analysis using machine learning of predictive factors for falls in type 2 diabetes. Scientific Reports, 2022, 12, .	1.6	3
209	Application of weighted co-expression network analysis and machine learning to identify the pathological mechanism of Alzheimer's disease. Frontiers in Aging Neuroscience, 0, 14, .	1.7	5
210	The performance of artificial intelligence-driven technologies in diagnosing mental disorders: an umbrella review. Npj Digital Medicine, 2022, 5, .	5.7	15
211	Using random forest algorithm for glomerular and tubular injury diagnosis. Frontiers in Medicine, 0, 9, .	1.2	7
212	Machine Learning for Endometrial Cancer Prediction and Prognostication. Frontiers in Oncology, 0, 12, .	1.3	10

#	ARTICLE	IF	CITATIONS
213	Forecasting of Statistical Crisp Weather in India by Exploration of Different Machine Learning Techniques. , 2022, , .		5
214	Performance Analysis of Machine Learning Algorithms for EMG-based Gestures. , 2022, , .		1
215	A robust framework to investigate the reliability and stability of explainable artificial intelligence markers of Mild Cognitive Impairment and Alzheimerâ€™s Disease. Brain Informatics, 2022, 9, .	1.8	15
216	Analyzing Milk Foam Using Machine Learning for Diverse Applications. Food Analytical Methods, 2022, 15, 3365-3378.	1.3	2
217	Alcohol dependence inpatients classification with GLM and hierarchical clustering integration using fMRI data of alcohol multiple scenario cues. Experimental Brain Research, 2022, 240, 2595-2605.	0.7	1
218	Cortical atrophy distinguishes idiopathic normal-pressure hydrocephalus from progressive supranuclear palsy: A machine learning approach. Parkinsonism and Related Disorders, 2022, 103, 7-14.	1.1	9
219	Radiation treatment response and hypoxia biomarkers revealed by machine learning assisted Raman spectroscopy in tumour cells and xenograft tissues. Analyst, The, 2022, 147, 5091-5104.	1.7	4
220	Risk factors and machine learning model for predicting hospitalization outcomes in geriatric patients with dementia. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, .	1.8	3
221	Application of Deep Learning Autoencoders as Features Extractor of Diabetic Foot Ulcer Images. Lecture Notes in Computer Science, 2022, , 129-140.	1.0	1
222	Introducing the Rank-Biased Overlap as Similarity Measure for Feature Importance in Explainable Machine Learning: A Case Study on Parkinsonâ€™s Disease. Lecture Notes in Computer Science, 2022, , 129-139.	1.0	9
223	Preliminary study on the impact of EEG density on TMS-EEG classification in Alzheimer's disease. , 2022, , .		2
224	Intelligent Facemask Coverage Detector in a World of Chaos. Processes, 2022, 10, 1710.	1.3	8
226	Predicting Mortality Using Machine Learning Algorithms in Patients Who Require Renal Replacement Therapy in the Critical Care Unit. Journal of Clinical Medicine, 2022, 11, 5289.	1.0	6
227	Metabolomic and exposomic biomarkers of risk of future neurodevelopmental delay in human milk. Pediatric Research, 2023, 93, 1710-1720.	1.1	5
228	A data-driven interpretable ensemble framework based on tree models for forecasting the occurrence of COVID-19 in the USA. Environmental Science and Pollution Research, 2023, 30, 13648-13659.	2.7	1
229	Applications of machine learning in tumor-associated macrophages. Frontiers in Immunology, 0, 13, .	2.2	1
230	Adaptive boosting of random forest algorithm for automatic petrophysical interpretation of well logs. Acta Geodaetica Et Geophysica, 2022, 57, 495-508.	0.7	7
231	Artificial intelligence-driven prediction of multiple drug interactions. Briefings in Bioinformatics, 2022, 23, .	3.2	8

#	ARTICLE	IF	CITATIONS
232	Predictive models for social functioning in healthy young adults: A machine learning study integrating neuroanatomical, cognitive, and behavioral data. <i>Social Neuroscience</i> , 0, , 1-14.	0.7	0
233	Machine learning classification reveals robust morphometric biomarker of glial and neuronal arbors. <i>Journal of Neuroscience Research</i> , 2023, 101, 112-129.	1.3	5
235	Early prediction of hypothyroidism and multiclass classification using predictive machine learning and deep learning. <i>Measurement: Sensors</i> , 2022, 24, 100482.	1.3	63
236	Classification of Valvular Regurgitation Using Echocardiography. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 10461.	1.3	0
237	Modeling Land Use Change in Sana'a City of Yemen with MOLUSCE. <i>Journal of Sensors</i> , 2022, 2022, 1-15.	0.6	10
238	Knowledge mining and social dangerousness assessment in criminal justice: metaheuristic integration of machine learning and graph-based inference. <i>Artificial Intelligence and Law</i> , 0, , .	3.0	1
239	Estimates of regeneration potential in the Pannonian sand region help prioritize ecological restoration interventions. <i>Communications Biology</i> , 2022, 5, .	2.0	3
240	The determinants of investment fraud: A machine learning and artificial intelligence approach. <i>Frontiers in Big Data</i> , 0, 5, .	1.8	3
242	Automated data preparation for in vivo tumor characterization with machine learning. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	4
243	Designing a sustainable bioethanol supply chain network: A combination of machine learning and meta-heuristic algorithms. <i>Industrial Crops and Products</i> , 2022, 189, 115848.	2.5	23
244	A filter-predictor polynomial feature based machine learning approach to predicting preterm birth from cervical electrical impedance spectroscopy. <i>Biomedical Signal Processing and Control</i> , 2023, 80, 104345.	3.5	3
245	A review on Alzheimer's disease classification from normal controls and mild cognitive impairment using structural MR images. <i>Journal of Neuroscience Methods</i> , 2023, 384, 109745.	1.3	12
246	Dual-Tone Multi-Frequency Assisted Acoustic Side Channel Attack to Retrieve Dialed Call Log. <i>Lecture Notes in Computer Science</i> , 2022, , 185-203.	1.0	0
247	Towards digital diagnosis of malaria: How far have we reached?. <i>Journal of Microbiological Methods</i> , 2023, 204, 106630.	0.7	4
248	Identification of Antibody Responses Predictive of Protection Against Clinical Malaria. <i>Springer Proceedings in Mathematics and Statistics</i> , 2022, , 227-239.	0.1	0
249	Comparison of machine learning methods for the detection of focal cortical dysplasia lesions: decision tree, support vector machine and artificial neural network. <i>Neurological Research</i> , 2022, 44, 1142-1149.	0.6	1
250	Using a cohort study of diabetes and peripheral artery disease to compare logistic regression and machine learning via random forest modeling. <i>BMC Medical Research Methodology</i> , 2022, 22, .	1.4	6
251	Tai Chi increases functional connectivity and decreases chronic fatigue syndrome: A pilot intervention study with machine learning and fMRI analysis. <i>PLoS ONE</i> , 2022, 17, e0278415.	1.1	5

#	ARTICLE	IF	CITATIONS
252	Optimal Tuning of Random Survival Forest Hyperparameter with an Application to Liver Disease. The Malaysian Journal of Medical Sciences, 2022, 29, 67-76.	0.3	1
254	An effective intrusion detection approach based on ensemble learning for IIoT edge computing. Journal of Computer Virology and Hacking Techniques, 2023, 19, 469-481.	1.6	11
255	Effect of Provenance and Environmental Factors on Tree Growth and Tree Water Status of Norway Spruce. Forests, 2023, 14, 156.	0.9	2
256	Machine learning with neuroimaging biomarkers: Application in the diagnosis and prediction of drug addiction. Addiction Biology, 2023, 28, .	1.4	11
257	Machine learning-based warning model for chronic kidney disease in individuals over 40 years old in underprivileged areas, Shanxi Province. Frontiers in Medicine, 0, 9, .	1.2	3
258	Churn Prediction in Telecoms Using a Random Forest Algorithm. Lecture Notes in Networks and Systems, 2023, , 282-292.	0.5	0
259	A hybrid machine learning approach for prediction of conversion from mild cognitive impairment to dementia. Expert Systems With Applications, 2023, 217, 119541.	4.4	13
260	Novel Computer-Aided Diagnosis System for the Early Detection of Alzheimer's Disease. Computers, Materials and Continua, 2023, 74, 5483-5505.	1.5	0
261	Insight into TLR4 receptor inhibitory activity via QSAR for the treatment of Mycoplasma pneumoniae disease. RSC Advances, 2023, 13, 2057-2069.	1.7	25
262	Comparative Study of Machine Learning and Deep Learning for Fungi Classification. Advances in Intelligent Systems and Computing, 2023, , 591-606.	0.5	1
265	A Machine learning Classification approach for detection of Covid 19 using CT images. Emitter: International Journal of Engineering Technology, 0, , 183-194.	0.7	1
266	A Novel Approach for Alzheimer Detection Using SMLT. , 2022, , .		0
267	Application of machine learning methods in predicting schizophrenia and bipolar disorders: A systematic review. Health Science Reports, 2023, 6, .	0.6	4
268	Diffusion Tensor Imaging in Amyotrophic Lateral Sclerosis: Machine Learning for Biomarker Development. International Journal of Molecular Sciences, 2023, 24, 1911.	1.8	9
269	Insect Classification Framework based on a Novel Fusion of High-level and Shallow Features. Procedia Computer Science, 2023, 218, 338-347.	1.2	3
270	Classification of neuroimaging data in Alzheimer's disease using particle swarm optimization: A systematic review. Applied Neuropsychology Adult, 0, , 1-12.	0.7	2
272	Diagnosis of Breast Cancer Using Random Forests. Procedia Computer Science, 2023, 218, 429-437.	1.2	8
273	A Novel Optimized Approach for Machine Learning Techniques for Predicting Employee Attrition. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
274	Discovering Rule Lists with Preferred Variables. Lecture Notes in Computer Science, 2023, , 340-352.	1.0	0
275	Logistic random forest boosting technique for Alzheimer's diagnosis. International Journal of Information Technology (Singapore), 2023, 15, 1719-1731.	1.8	1
276	EvaGoNet: An integrated network of variational autoencoder and Wasserstein generative adversarial network with gradient penalty for binary classification tasks. Information Sciences, 2023, 629, 109-122.	4.0	2
277	An Ensemble Learning Based Intrusion Detection Model for Industrial IoT Security. Big Data Mining and Analytics, 2023, 6, 273-287.	7.5	13
278	Cloud-Based Intrusion Detection Approach Using Machine Learning Techniques. Big Data Mining and Analytics, 2023, 6, 311-320.	7.5	11
279	Feature Extraction and Diagnosis of Dementia using Magnetic Resonance Imaging. , 2023, , 159-175.		0
280	Prediction of early-wheelchair dependence in multiple system atrophy based on machine learning algorithm: A prospective cohort study. Clinical Parkinsonism & Related Disorders, 2023, 8, 100183.	0.5	2
281	Hippocampus-centred grey matter covariance networks predict the development and reversion of mild cognitive impairment. Alzheimer's Research and Therapy, 2023, 15, .	3.0	5
282	A smart secured framework for detecting and averting online recruitment fraud using ensemble machine learning techniques. PeerJ Computer Science, 0, 9, e1234.	2.7	1
283	Neural functions in cancer: Data analyses and database construction. Frontiers in Genetics, 0, 14, .	1.1	0
284	Comparison of Classification Algorithms for Alzheimer's Disease Prediction. , 2022, , .		2
285	Liquid Biopsy-Based Volatile Organic Compounds from Blood and Urine and Their Combined Data Sets for Highly Accurate Detection of Cancer. ACS Sensors, 2023, 8, 1450-1461.	4.0	3
286	Machine Learning Approaches for the Detection of Schizophrenia Using Structural MRI. Communications in Computer and Information Science, 2023, , 423-439.	0.4	2
287	Machine learning-based approach for predicting the consolidation characteristics of soft soil. Marine Georesources and Geotechnology, 0, , 1-15.	1.2	2
302	Data-driven approaches to generating knowledge: Machine learning, artificial intelligence, and predictive modeling. , 2023, , 217-255.		1
311	Dementia Identification Using Machine Learning Algorithms: Comparative Analysis. , 2023, , .		1
312	Diagnosis of Alzheimer's disease and Mild Cognitive Impairment using Rethinking and Deep Neural Networks. , 2023, , .		0
314	Early Alzheimer's Detection Using Random Forest Algorithm. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
315	Imputation of missing clinical, cognitive and neuroimaging data of Dementia using missForest, a Random Forest based algorithm. , 2023, , .		4
318	Evaluation of the Multispectral Satellites with Object-Based Classifiers for Land Use and Land Cover Classification. , 2023, , 602-625.		0
336	Conversion from Mild Cognitive Impairment to Alzheimerâ€™s Disease: A Comparison of Tree-Based Machine Learning Algorithms for Survival Analysis. Lecture Notes in Computer Science, 2023, , 179-190.	1.0	2
337	Auxiliary-Domain Learning for a Functional Prediction of Glaucoma Progression. Lecture Notes in Computer Science, 2023, , 21-31.	1.0	0
338	Changing Health Policy Practices and Evaluation of Specialist Physicians Towards City Hospitals. Advances in Human and Social Aspects of Technology Book Series, 2023, , 343-363.	0.3	0
346	Prediction of Tribological Behaviour of AA5083/CSA-ZnO Hybrid Composites Using Machine Learning and Artificial Intelligence Techniques. Composites Science and Technology, 2024, , 185-211.	0.4	0
347	Impact of Imputation Methods on Supervised Classification: A Multiclass Study on Patients with Parkinson's Disease and Subjects with Scans Without Evidence of Dopaminergic Deficit. , 2023, , .		2
348	Machine Learning Based Delivery Date Prediction For Child Birth. , 2023, , .		0
350	Kidney disease prediction using different classification techniques of machine learning. AIP Conference Proceedings, 2023, , .	0.3	0
352	Predicting Credit Risk in European P2P Lending: A Case Study of â€œBondoraâ€•Using Supervised Machine Learning Techniques. , 2023, , .		0
353	Predicting disease severity in multiple sclerosis using multimodal data and machine learning. Journal of Neurology, 2024, 271, 1133-1149.	1.8	0
357	Theory of Mind in Artificial Intelligence Applications. Logic, Argumentation & Reasoning, 2023, , 723-750.	0.1	0
369	Early Detection of Alzheimerâ€™s Disease Using Medical Imaging: A Review of Intelligent Approaches. Lecture Notes in Electrical Engineering, 2024, , 71-94.	0.3	0
371	Multi-task learning on obesity comorbidities. AIP Conference Proceedings, 2024, , .	0.3	0