

Hyperparameters and tuning strategies for random forests

Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery  
9, e1301

DOI: [10.1002/widm.1301](https://doi.org/10.1002/widm.1301)

Citation Report

#	ARTICLE	IF	CITATIONS
1	New margin-based subsampling iterative technique in modified random forests for classification. Knowledge-Based Systems, 2019, 182, 104845.	4.0	47
2	Discovery of food identity markers by metabolomics and machine learning technology. Scientific Reports, 2019, 9, 9697.	1.6	56
3	Adjusting Emergent Herbaceous Wetland Elevation with Object-Based Image Analysis, Random Forest and the 2016 NLCD. Remote Sensing, 2019, 11, 2346.	1.8	13
4	The Effect of Interfirm Financial Transactions on the Credit Risk of Small and Medium-Sized Enterprises. Journal of the Royal Statistical Society Series A: Statistics in Society, 2019, 182, 1205-1226.	0.6	6
5	A comparison of machine learning methods for predicting the compressive strength of field-placed concrete. Construction and Building Materials, 2019, 228, 116661.	3.2	98
6	Hybrid models to improve the monthly river flow prediction: Integrating artificial intelligence and non-linear time series models. Journal of Hydrology, 2019, 575, 1200-1213.	2.3	88
7	A comparative analysis of band selection techniques for hyperspectral image classification. , 2019, , .		0
8	Machine learning approach to literature mining for the genetics of complex diseases. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	1.4	1
9	Mapping at 30 m Resolution of Soil Attributes at Multiple Depths in Midwest Brazil. Remote Sensing, 2019, 11, 2905.	1.8	27
10	Pattern Discovery in White Etching Crack Experimental Data Using Machine Learning Techniques. Applied Sciences (Switzerland), 2019, 9, 5502.	1.3	7
11	Sampling uncertainty versus method uncertainty: A general framework with applications to omics biomarker selection. Biometrical Journal, 2020, 62, 670-687.	0.6	12
12	A machine learning approach based on multifractal features for crack assessment of reinforced concrete shells. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 565-578.	6.3	41
13	Support Vector Machine Versus Random Forest for Remote Sensing Image Classification: A Meta-Analysis and Systematic Review. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 6308-6325.	2.3	401
14	National Scale 3D Mapping of Soil pH Using a Data Augmentation Approach. Remote Sensing, 2020, 12, 2872.	1.8	25
15	A Hybrid Approach: Dynamic Diagnostic Rules for Sensor Systems in Industry 4.0 Generated by Online Hyperparameter Tuned Random Forest. Sci, 2020, 2, 61.	1.8	1
16	Evaluation of patient safety culture using a random forest algorithm. Reliability Engineering and System Safety, 2020, 204, 107186.	5.1	44
17	Predicting parking occupancy via machine learning in the web of things. Internet of Things (Netherlands), 2020, 12, 100301.	4.9	25
18	Comparative analysis of gradient boosting algorithms for landslide susceptibility mapping. Geocarto International, 2022, 37, 2441-2465.	1.7	56

#	ARTICLE	IF	CITATIONS
19	Developing comprehensive geocomputation tools for landslide susceptibility mapping: LSM tool pack. <i>Computers and Geosciences</i> , 2020, 144, 104592.	2.0	45
20	Forecasting Weekly Influenza Outpatient Visits Using a Two-Dimensional Hierarchical Decision Tree Scheme. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4743.	1.2	14
21	Conditional permutation importance revisited. <i>BMC Bioinformatics</i> , 2020, 21, 307.	1.2	63
22	Mapping the Distribution of Coffee Plantations from Multi-Resolution, Multi-Temporal, and Multi-Sensor Data Using a Random Forest Algorithm. <i>Remote Sensing</i> , 2020, 12, 3933.	1.8	20
23	A Hybrid Approach: Dynamic Diagnostic Rules for Sensor Systems in Industry 4.0 Generated by Online Hyperparameter Tuned Random Forest. <i>Sci</i> , 2020, 2, 61.	1.8	1
24	Machine learning prediction of self-diffusion in Lennard-Jones fluids. <i>Journal of Chemical Physics</i> , 2020, 153, 034102.	1.2	35
25	Enabling the assessment of trauma-induced hemorrhage via smart wearable systems. <i>Science Advances</i> , 2020, 6, eabb1708.	4.7	24
26	Analyzing Links between Spatio-Temporal Metrics of Built-Up Areas and Socio-Economic Indicators on a Semi-Global Scale. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 436.	1.4	7
27	An Automated Approach to Assessing an Application Tutorial's Difficulty. , 2020, , .		3
28	Prediction of the xanthine oxidase inhibitory activity of celery seed extract from ultraviolet-visible spectrum using machine learning algorithms. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	1
29	Compact representations of microstructure images using triplet networks. <i>Npj Computational Materials</i> , 2020, 6, .	3.5	18
30	A Method of Human Activity Recognition in Transitional Period. <i>Information (Switzerland)</i> , 2020, 11, 416.	1.7	8
31	Mapping Invasive <i>Lupinus polyphyllus</i> Lindl. in Semi-natural Grasslands Using Object-Based Image Analysis of UAV-borne Images. <i>PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science</i> , 2020, 88, 391-406.	0.7	13
32	Long-Term Groundwater Level Prediction Model Based on Hybrid KNN-RF Technique. <i>Hydrology</i> , 2020, 7, 59.	1.3	40
33	Improving CAT bond pricing models via machine learning. <i>Journal of Asset Management</i> , 2020, 21, 428-446.	0.7	9
34	An improved quantum particle swarm photovoltaic multi-peak mpPT method combined with LÃ©vy flight. <i>Energy Science and Engineering</i> , 2020, 8, 3980-3994.	1.9	4
35	A Random Forest-Based Accuracy Prediction Model for Augmented Biofeedback in a Precision Shooting Training System. <i>Sensors</i> , 2020, 20, 4512.	2.1	1
36	The impact of oversampling with SMOTE on the performance of machine learning classifiers in prediction of catastrophic health expenditures. <i>Operations Research for Health Care</i> , 2020, 27, 100275.	0.8	2

#	ARTICLE	IF	CITATIONS
37	Comparison of machine learning approaches used to identify the drivers of Bakken oil well productivity. <i>Statistical Analysis and Data Mining</i> , 2020, , .	1.4	2
38	A Study on Acer Mono Sap Integration Management System Based on Energy Harvesting Electric Device and Sap Big Data Analysis Model. <i>Electronics (Switzerland)</i> , 2020, 9, 1979.	1.8	1
39	A Gated Recurrent Units (GRU)-Based Model for Early Detection of Soybean Sudden Death Syndrome through Time-Series Satellite Imagery. <i>Remote Sensing</i> , 2020, 12, 3621.	1.8	15
40	A novel framework for autoregressive features selection and stacked ensemble learning for aggregated electricity demand prediction of neighborhoods. , 2020, , .		0
41	A Hybrid Approach: Dynamic Diagnostic Rules for Sensor Systems in Industry 4.0 Generated by Online Hyperparameter Tuned Random Forest. <i>Sci</i> , 2020, 2, 75.	1.8	3
42	Posterior circulation stroke: machine learning-based detection of early ischemic changes in acute non-contrast CT scans. <i>Journal of Neurology</i> , 2020, 267, 2632-2641.	1.8	15
43	Machine learning for characterizing tropical tuna aggregations under Drifting Fish Aggregating Devices (DFADs) from commercial echosounder buoys data. <i>Fisheries Research</i> , 2020, 229, 105613.	0.9	22
44	Machine learning for predicting greenhouse gas emissions from agricultural soils. <i>Science of the Total Environment</i> , 2020, 741, 140338.	3.9	96
45	Metabolomics and Machine Learning Approaches Combined in Pursuit for More Accurate Paracoccidioidomycosis Diagnoses. <i>MSystems</i> , 2020, 5, .	1.7	12
46	Non-Invasive Skin Cancer Diagnosis Using Hyperspectral Imaging for In-Situ Clinical Support. <i>Journal of Clinical Medicine</i> , 2020, 9, 1662.	1.0	52
47	Estimation of Hourly near Surface Air Temperature Across Israel Using an Ensemble Model. <i>Remote Sensing</i> , 2020, 12, 1741.	1.8	13
48	Machine learning and soil sciences: a review aided by machine learning tools. <i>Soil</i> , 2020, 6, 35-52.	2.2	195
49	Machine Learning Predicts Reachâ€Scale Channel Types From Coarseâ€Scale Geospatial Data in a Large River Basin. <i>Water Resources Research</i> , 2020, 56, e2019WR026691.	1.7	23
50	Global patterns of terrestrial nitrogen and phosphorus limitation. <i>Nature Geoscience</i> , 2020, 13, 221-226.	5.4	541
51	Predicting Forest Cover in Distinct Ecosystems: The Potential of Multi-Source Sentinel-1 and -2 Data Fusion. <i>Remote Sensing</i> , 2020, 12, 302.	1.8	45
52	A Comparative Assessment of Ensemble-Based Machine Learning and Maximum Likelihood Methods for Mapping Seagrass Using Sentinel-2 Imagery in Tauranga Harbor, New Zealand. <i>Remote Sensing</i> , 2020, 12, 355.	1.8	60
53	A machine learning approach to modelling escalator demand response. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 90, 103521.	4.3	7
54	Estimating Current and Future Rainfall Erosivity in Greece Using Regional Climate Models and Spatial Quantile Regression Forests. <i>Water (Switzerland)</i> , 2020, 12, 687.	1.2	19

#	ARTICLE	IF	CITATIONS
55	Soil Color and Mineralogy Mapping Using Proximal and Remote Sensing in Midwest Brazil. <i>Remote Sensing</i> , 2020, 12, 1197.	1.8	25
56	Performance analysis of hyperparameter optimization methods for ensemble learning with small and medium sized medical datasets. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 2020, 23, 115-123.	0.5	19
57	Comparative Metabolomics and Molecular Phylogenetics of Melon ( <i>Cucumis melo</i> , Cucurbitaceae) Biodiversity. <i>Metabolites</i> , 2020, 10, 121.	1.3	35
58	Assessing the uncertainty of maize yield without nitrogen fertilization. <i>Field Crops Research</i> , 2021, 260, 107985.	2.3	34
59	Is postgraduate English academic writing more clausal or phrasal? Syntactic complexification at the crossroads of genre, proficiency, and statistical modelling. <i>Journal of English for Academic Purposes</i> , 2021, 49, 100940.	1.2	13
60	Machine learning techniques for computer-based decision systems in the operating theatre: application to analgesia delivery. <i>Logic Journal of the IGPL</i> , 2021, 29, 236-250.	1.3	15
61	Cleaning Up the MESS: Can Machine Learning Be Used to Predict Lower Extremity Amputation after Trauma-Associated Arterial Injury?. <i>Journal of the American College of Surgeons</i> , 2021, 232, 102-113e4.	0.2	7
62	Forecasting of Real GDP Growth Using Machine Learning Models: Gradient Boosting and Random Forest Approach. <i>Computational Economics</i> , 2021, 57, 247-265.	1.5	89
63	Clinical variables and magnetic resonance imaging-based radiomics predict human papillomavirus status of oropharyngeal cancer. <i>Head and Neck</i> , 2021, 43, 485-495.	0.9	33
64	Departing from an ideal: An asymmetric, bimodal and non-equatorial latitudinal gradient of marine diversity in Western Atlantic burrowing shrimps (Decapoda: Axiidea and Gebiidea). <i>Journal of Biogeography</i> , 2021, 48, 650-661.	1.4	3
65	Development and application of random forest technique for element level structural damage quantification. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2678.	1.9	11
66	Large-scale benchmark study of survival prediction methods using multi-omics data. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	53
67	Artificial Intelligence Applications for Friction Stir Welding: A Review. <i>Metals and Materials International</i> , 2021, 27, 193-219.	1.8	49
68	A reduced model using random forest: application on car crash optimization. <i>SeMA Journal</i> , 2021, 78, 193-212.	1.0	5
70	Size sound symbolism in the English lexicon. <i>Glossa</i> , 2021, 6, .	0.2	29
71	An Advanced Intrusion Detection System for IIoT Based on GA and Tree Based Algorithms. <i>IEEE Access</i> , 2021, 9, 113199-113212.	2.6	56
72	Determining the Extinguishing Status of Fuel Flames With Sound Wave by Machine Learning Methods. <i>IEEE Access</i> , 2021, 9, 86207-86216.	2.6	21
73	Window-Based Morphometric Indices as Predictive Variables for Landslide Susceptibility Models. <i>Remote Sensing</i> , 2021, 13, 451.	1.8	5

#	ARTICLE	IF	CITATIONS
74	Influence of Random Forest Hyperparameterization on Short-Term Runoff Forecasting in an Andean Mountain Catchment. <i>Atmosphere</i> , 2021, 12, 238.	1.0	21
75	A First Approach to Aerosol Classification Using Space-Borne Measurement Data: Machine Learning-Based Algorithm and Evaluation. <i>Remote Sensing</i> , 2021, 13, 609.	1.8	10
76	Predicting medicinal phytochemicals of <i>Moringa oleifera</i> using hyperspectral reflectance of tree canopies. <i>International Journal of Remote Sensing</i> , 2021, 42, 3955-3980.	1.3	6
77	Prediction and analysis of particulate matter (PM2.5 and PM10) concentrations using machine learning techniques. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 1323-1338.	3.3	6
78	Operational Wave Forecast Selection in the Atlantic Ocean Using Random Forests. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 298.	1.2	13
79	Earth Observation and Biodiversity Big Data for Forest Habitat Types Classification and Mapping. <i>Remote Sensing</i> , 2021, 13, 1231.	1.8	18
81	Autonomous Learning of New Environments with a Robotic Team Employing Hyper-Spectral Remote Sensing, Comprehensive In-Situ Sensing and Machine Learning. <i>Sensors</i> , 2021, 21, 2240.	2.1	2
82	Deep learning in electron microscopy. <i>Machine Learning: Science and Technology</i> , 2021, 2, 011004.	2.4	50
83	A New Random Forest Algorithm Based on Learning Automata. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-19.	1.1	28
84	Improving Spatial Coverage of Satellite Aerosol Classification Using a Random Forest Model. <i>Remote Sensing</i> , 2021, 13, 1268.	1.8	4
86	The Prediction of Body Mass Index from Negative Affectivity through Machine Learning: A Confirmatory Study. <i>Sensors</i> , 2021, 21, 2361.	2.1	11
87	Tire Slip Angle Estimation Based on the Intelligent Tire Technology. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 2239-2249.	3.9	21
88	Optimal Feature Set Size in Random Forest Regression. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3428.	1.3	16
89	The Value of L-Band Soil Moisture and Vegetation Optical Depth Estimates in the Prediction of Vegetation Phenology. <i>Remote Sensing</i> , 2021, 13, 1343.	1.8	2
90	Mahalanobis distance based similarity regression learning of NIRS for quality assurance of tobacco product with different variable selection methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119364.	2.0	11
91	Invited Commentary: New Directions in Machine Learning Analyses of Administrative Data to Prevent Suicide-Related Behaviors. <i>American Journal of Epidemiology</i> , 2021, 190, 2528-2533.	1.6	6
92	Recognition of splice-junction genetic sequences using random forest and Bayesian optimization. <i>Multimedia Tools and Applications</i> , 2021, 80, 30505-30522.	2.6	3
93	Spatial and temporal variations of greenhouse gas emissions from a waste stabilization pond: Effects of sludge distribution and accumulation. <i>Water Research</i> , 2021, 193, 116858.	5.3	12

#	ARTICLE	IF	CITATIONS
94	A predictive model for the bond strength of near-surface-mounted FRP bonded to concrete. <i>Composite Structures</i> , 2021, 262, 113618.	3.1	22
96	A Novel Framework to Predict Relative Habitat Selection in Aquatic Systems: Applying Machine Learning and Resource Selection Functions to Acoustic Telemetry Data From Multiple Shark Species. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	8
97	Comparison of Spaceborne and UAV-Borne Remote Sensing Spectral Data for Estimating Monsoon Crop Vegetation Parameters. <i>Sensors</i> , 2021, 21, 2886.	2.1	7
98	The Translational Machine: A novel machine learning approach to illuminate complex genetic architectures. <i>Genetic Epidemiology</i> , 2021, 45, 485-536.	0.6	0
100	Exploring drivers of patient satisfaction using a random forest algorithm. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 157.	1.5	19
101	Automated Valuation Modelling: Analysing Mortgage Behavioural Life Profile Models Using Machine Learning Techniques. <i>Sustainability</i> , 2021, 13, 5162.	1.6	7
102	Optimized Hyperparameter Tuned Random Forest Regressor Algorithm in Predicting Resale Car Value based on Grid Search Method. <i>International Journal of Advanced Research in Science, Communication and Technology</i> , 0, , 106-113.	0.0	2
103	Understanding Growth Dynamics and Yield Prediction of Sorghum Using High Temporal Resolution UAV Imagery Time Series and Machine Learning. <i>Remote Sensing</i> , 2021, 13, 1763.	1.8	25
104	Incorporating space and time into random forest models for analyzing geospatial patterns of drug-related crime incidents in a major U.S. metropolitan area. <i>Computers, Environment and Urban Systems</i> , 2021, 87, 101599.	3.3	18
105	Automatic classification of landslide kinematics using acoustic emission measurements and machine learning. <i>Landslides</i> , 2021, 18, 2959-2974.	2.7	6
106	The implementation of random survival forests in conflict management data: An examination of power sharing and third party mediation in post-conflict countries. <i>PLoS ONE</i> , 2021, 16, e0250963.	1.1	2
107	Chronic stress in practice assistants: An analytic approach comparing four machine learning classifiers with a standard logistic regression model. <i>PLoS ONE</i> , 2021, 16, e0250842.	1.1	9
108	Improving facies prediction by combining supervised and unsupervised learning methods. <i>Journal of Petroleum Science and Engineering</i> , 2021, 200, 108300.	2.1	19
109	FastForest: Increasing random forest processing speed while maintaining accuracy. <i>Information Sciences</i> , 2021, 557, 130-152.	4.0	23
110	Genetic programming is naturally suited to evolve bagging ensembles. , 2021, , .		8
111	Machine-Learning Classification of Soil Bulk Density in Salt Marsh Environments. <i>Sensors</i> , 2021, 21, 4408.	2.1	13
112	Calcification prevalence in different vascular zones and its association with demographics, risk factors, and morphometry. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H2313-H2323.	1.5	12
113	Global prevalence of non-perennial rivers and streams. <i>Nature</i> , 2021, 594, 391-397.	13.7	221

#	ARTICLE	IF	CITATIONS
114	Evaluation of random forests for short-term daily streamflow forecasting in rainfall- and snowmelt-driven watersheds. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 2997-3015.	1.9	36
115	Echocardiographic view and feature selection for the estimation of the response to CRT. <i>PLoS ONE</i> , 2021, 16, e0252857.	1.1	4
116	Biased resampling strategies for imbalanced spatio-temporal forecasting. <i>International Journal of Data Science and Analytics</i> , 2021, 12, 205-228.	2.4	4
117	In situ monitoring and penetration prediction of plasma arc welding based on welder intelligence-enhanced deep random forest fusion. <i>Journal of Manufacturing Processes</i> , 2021, 66, 153-165.	2.8	26
118	AdEye: Recognize Advertising Android Apps. , 2021, , .		0
119	Optimization of urban land cover classification using an improved Elephant Herding Optimization algorithm and random forest classifier. <i>International Journal of Remote Sensing</i> , 2021, 42, 5741-5763.	1.3	4
120	Continental-scale controls on soil organic carbon across sub-Saharan Africa. <i>Soil</i> , 2021, 7, 305-332.	2.2	30
121	A Truly Spatial Random Forests Algorithm for Geoscience Data Analysis and Modelling. <i>Mathematical Geosciences</i> , 2022, 54, 1-22.	1.4	22
122	Applying random forest in a health administrative data context: a conceptual guide. <i>Health Services and Outcomes Research Methodology</i> , 2022, 22, 96-117.	0.8	4
123	Machine Learning Uncovers Adverse Drug Effects on Intestinal Bacteria. <i>Pharmaceutics</i> , 2021, 13, 1026.	2.0	26
125	Detection of deep myometrial invasion in endometrial cancer MR imaging based on multi-feature fusion and probabilistic support vector machine ensemble. <i>Computers in Biology and Medicine</i> , 2021, 134, 104487.	3.9	18
126	Data Driven Insight Into Fish Behaviour and Their Use for Precision Aquaculture. <i>Frontiers in Animal Science</i> , 2021, 2, .	0.8	13
127	Crop Area Mapping in Southern and Central Malawi With Google Earth Engine. <i>Frontiers in Climate</i> , 2021, 3, .	1.3	3
128	Links between Climate Change Knowledge, Perception and Action: Impacts on Personal Carbon Footprint. <i>Sustainability</i> , 2021, 13, 8088.	1.6	7
129	Active galactic nuclei catalog from the AKARI NEP-Wide field. <i>Astronomy and Astrophysics</i> , 2021, 651, A108.	2.1	5
130	Modeling electrical conduction in resistive-switching memory through machine learning. <i>AIP Advances</i> , 2021, 11, .	0.6	2
131	Machine learning prediction of dropping out of outpatients with alcohol use disorders. <i>PLoS ONE</i> , 2021, 16, e0255626.	1.1	5
132	Identifying global and local drivers of change in mangrove cover and the implications for management. <i>Global Ecology and Biogeography</i> , 2021, 30, 2057-2069.	2.7	17



#	ARTICLE	IF	CITATIONS
133	Leveraging of hyperspectral remote sensing on estimating biomass yield of Moringa oleifera Lam. medicinal plant. South African Journal of Botany, 2021, 140, 37-49.	1.2	0
134	A novel machine learning-based approach for the computational functional assessment of pharmacogenomic variants. Human Genomics, 2021, 15, 51.	1.4	14
135	A Sort-Seq Approach to the Development of Single Fluorescent Protein Biosensors. ACS Chemical Biology, 2021, 16, 1709-1720.	1.6	8
137	The impact of the spatiotemporal structure of rainfall on flood frequency over a small urban watershed: an approach coupling stochastic storm transposition and hydrologic modeling. Hydrology and Earth System Sciences, 2021, 25, 4701-4717.	1.9	10
138	Is Infidelity Predictable? Using Explainable Machine Learning to Identify the Most Important Predictors of Infidelity. Journal of Sex Research, 2022, 59, 224-237.	1.6	8
139	Using Sentinel-1 and Sentinel-2 Time Series for Slangbos Mapping in the Free State Province, South Africa. Remote Sensing, 2021, 13, 3342.	1.8	5
140	A High-Fidelity Model to Predict Length of Stay in the Neonatal Intensive Care Unit. INFORMS Journal on Computing, 0, , .	1.0	3
141	Sales Forecasting in the Electrical Industry - An Illustrative Comparison of Time Series and Machine Learning Approaches. , 2021, , .		0
142	Improving Accuracy of Herbage Yield Predictions in Perennial Ryegrass with UAV-Based Structural and Spectral Data Fusion and Machine Learning. Remote Sensing, 2021, 13, 3459.	1.8	22
143	Predicting Cancer Drug Response In Vivo by Learning an Optimal Feature Selection of Tumour Molecular Profiles. Biomedicines, 2021, 9, 1319.	1.4	13
144	Delamination detection in composite plates using random forests. Composite Structures, 2021, 278, 114676.	3.1	15
145	Identifying crop yield gaps with site- and season-specific data-driven models of yield potential. Precision Agriculture, 0, , 1.	3.1	1
146	Assessing the performance and accuracy of invasive plant habitat suitability models in detecting new observations in Wisconsin. Invasive Plant Science and Management, 0, , 1-28.	0.5	0
147	Modeling Freight Vehicle Type Choice using Machine Learning and Discrete Choice Methods. Transportation Research Record, 2022, 2676, 541-552.	1.0	12
148	Grid search in hyperparameter optimization of machine learning models for prediction of HIV/AIDS test results. International Journal of Computers and Applications, 2022, 44, 875-886.	0.8	38
149	A machine learning interpretation of the contribution of foliar fungicides to soybean yield in the north-central United States. Scientific Reports, 2021, 11, 18769.	1.6	3
150	Estimating forest floor carbon stocks in woodland formations in Spain. Science of the Total Environment, 2021, 788, 147734.	3.9	10
151	Hierarchical forecast reconciliation with machine learning. Applied Soft Computing Journal, 2021, 112, 107756.	4.1	22

#	ARTICLE	IF	CITATIONS
152	Evaluation of transfer learning in data-driven methods in the assessment of unconventional resources. <i>Journal of Petroleum Science and Engineering</i> , 2021, 207, 109178.	2.1	8
153	Predicting spatiotemporally-resolved mean air temperature over Sweden from satellite data using an ensemble model. <i>Environmental Research</i> , 2022, 204, 111960.	3.7	7
154	A Data-Driven Surrogate Approach for the Temporal Stability Forecasting of Vegetation Covered Dikes. <i>Water (Switzerland)</i> , 2021, 13, 107.	1.2	4
155	Identification of SARS-CoV-2 origin: Using Ngrams, principal component analysis and Random Forest algorithm. <i>Informatics in Medicine Unlocked</i> , 2021, 24, 100577.	1.9	4
156	Knowledge Transfer in Commercial Feature Extraction for the Retail Store Location Problem. <i>IEEE Access</i> , 2021, 9, 132967-132979.	2.6	2
158	Multiscale groundwater level forecasting: Coupling new machine learning approaches with wavelet transforms. <i>Advances in Water Resources</i> , 2020, 141, 103595.	1.7	109
159	Autonomous pH control by reinforcement learning for electroplating industry wastewater. <i>Computers and Chemical Engineering</i> , 2020, 140, 106909.	2.0	17
160	Statistical and machine learning ensemble modelling to forecast sea surface temperature. <i>Journal of Marine Systems</i> , 2020, 208, 103347.	0.9	39
161	Unbiased variable importance for random forests. <i>Communications in Statistics - Theory and Methods</i> , 2022, 51, 1413-1425.	0.6	27
165	Weighted Majority Voting by Statistical Performance Analysis on Ensemble Multiclassifier. , 2020, , .		1
166	The physiological effects of noninvasive brain stimulation fundamentally differ across the human cortex. <i>Science Advances</i> , 2020, 6, eaay2739.	4.7	73
167	Randomized Lasso Links Microbial Taxa with Aquatic Functional Groups Inferred from Flow Cytometry. <i>MSystems</i> , 2019, 4, .	1.7	14
168	Feature Selection for Enhancing Purpose Imputation using Global Positioning System Data without Geographic Information System Data. <i>Transportation Research Record</i> , 0, , 036119812098300.	1.0	4
169	Evaluating the Effect of Topical Atropine Use for Myopia Control on Intraocular Pressure by Using Machine Learning. <i>Journal of Clinical Medicine</i> , 2021, 10, 111.	1.0	28
170	Using machine learning to derive cloud condensation nuclei number concentrations from commonly available measurements. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12853-12869.	1.9	9
172	Selecting Part Feeding Policies with a Combined Optimization-Machine Learning Approach. , 2021, , .		0
173	Detecting conflicting summary statistics in likelihood-free inference. <i>Statistics and Computing</i> , 2021, 31, 1.	0.8	0
174	Classification of GLM Flashes Using Random Forests. <i>Earth and Space Science</i> , 2021, 8, e2021EA001861.	1.1	4

#	ARTICLE	IF	CITATIONS
175	Importance of Spatial Autocorrelation in Machine Learning Modeling of Polymetallic Nodules, Model Uncertainty and Transferability at Local Scale. Minerals (Basel, Switzerland), 2021, 11, 1172.	0.8	4
176	Modelling the Common Agricultural Policy Impact over the EU Agricultural and Rural Environment through a Machine Learning Predictive Framework. Agronomy, 2021, 11, 2105.	1.3	3
177	Reaction Wheels Fault Isolation Onboard 3-Axis Controlled Satel-lite using Enhanced Random Forest with Multidomain Features. International Journal of Prognostics and Health Management, 2021, 12, .	0.6	0
179	Continuous Hyper-parameter Configuration for Particle Swarm Optimization via Auto-tuning. Lecture Notes in Computer Science, 2019, , 458-468.	1.0	1
180	TOWARDS PREDICTING RICE LOSS DUE TO TYPHOONS IN THE PHILIPPINES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W19, 63-70.	0.2	3
181	Exploration of machine learning methods for the classification of infrared limb spectra of polar stratospheric clouds. Atmospheric Measurement Techniques, 2020, 13, 3661-3682.	1.2	2
182	A SCIENTOMETRIC ANALYSIS OF THE EMERGING TOPICS IN GENERAL COMPUTER SCIENCE. Journal of Information and Communication Technology, 0, 19, .	0.3	2
183	Modelling species presence-only data with random forests. Ecography, 2021, 44, 1731-1742.	2.1	77
184	Application of Machine Learning Algorithms to Estimate Enzyme Loading, Immobilization Yield, Activity Retention, and Reusability of Enzyme-Organic Framework Biocatalysts. Chemistry of Materials, 2021, 33, 8666-8676.	3.2	7
185	A Study of Self-Privacy Violations in Online Public Discourse. , 2020, , .		1
186	Comparison of random forest and support vector machine for prediction of cognitive impairment in Parkinson's disease. AIP Conference Proceedings, 2020, , .	0.3	2
187	A Robust Machine Learning Framework for Diabetes Prediction. Lecture Notes in Networks and Systems, 2022, , 775-792.	0.5	0
188	Early Detection of Coronary Heart Disease Based on Machine Learning Methods. Medical Records, 2022, 4, 1-6.	0.4	23
190	NKA: a pathogen dose-based natural killer cell algorithm and its application to classification. Journal of Supercomputing, 2022, 78, 7016.	2.4	1
191	Machine Learning Methods to Predict Acute Respiratory Failure and Acute Respiratory Distress Syndrome. Frontiers in Big Data, 2020, 3, 579774.	1.8	12
192	Reduced and stable feature sets selection with random forest for neurons segmentation in histological images of macaque brain. Scientific Reports, 2021, 11, 22973.	1.6	2
193	F4: An All-Purpose Tool for Multivariate Time Series Classification. Mathematics, 2021, 9, 3051.	1.1	4
194	Predicting Prolonged Length of ICU Stay through Machine Learning. Diagnostics, 2021, 11, 2242.	1.3	13

#	ARTICLE	IF	CITATIONS
195	Improving Plot-Level Model of Forest Biomass: A Combined Approach Using Machine Learning with Spatial Statistics. <i>Forests</i> , 2021, 12, 1663.	0.9	4
196	Evaluation of saturation changes during gas hydrate dissociation core experiment using deep learning with data augmentation. <i>Journal of Petroleum Science and Engineering</i> , 2022, 209, 109820.	2.1	9
197	Improving random forest predictions in small datasets from two-phase sampling designs. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 322.	1.5	26
198	Calibration of X-Band Radar for Extreme Events in a Spatially Complex Precipitation Region in North Peru: Machine Learning vs. Empirical Approach. <i>Atmosphere</i> , 2021, 12, 1561.	1.0	5
199	A machine learning model for predicting favorable outcome in severe traumatic brain injury patients after 6 months. <i>Acute and Critical Care</i> , 2022, 37, 45-52.	0.6	10
200	Predicting Physician Consultations for Low Back Pain Using Claims Data and Population-Based Cohort Data—An Interpretable Machine Learning Approach. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12013.	1.2	2
201	Oversample-select-tune: A machine learning pipeline for improving diabetes identification. <i>Concurrency Computation Practice and Experience</i> , 2022, 34, e6741.	1.4	6
202	A novel semi-supervised self-training method based on resampling for Twitter fake account identification. <i>Data Technologies and Applications</i> , 2022, 56, 409-428.	0.9	5
203	Modelling chamise fuel moisture content across California: a machine learning approach. <i>International Journal of Wildland Fire</i> , 2022, 31, 136-148.	1.0	8
204	A Machine Learning Analysis of Health Records of Patients With Chronic Kidney Disease at Risk of Cardiovascular Disease. <i>IEEE Access</i> , 2021, 9, 165132-165144.	2.6	9
205	Seasonal variation in the phenology of Atlantic tarpon in the Florida Keys: migration, occupancy, repeatability, and management implications. <i>Marine Ecology - Progress Series</i> , 2022, 684, 133-155.	0.9	11
206	Impact of Hyperparameter Tuning on Machine Learning Models in Stock Price Forecasting. <i>IEEE Access</i> , 2021, 9, 163815-163830.	2.6	22
207	Adaptive Design of Experiments for Safety Evaluation of Automated Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 14497-14508.	4.7	7
208	An Optimal Control Strategy for Plug-In Hybrid Electric Vehicles Based on Enhanced Model Predictive Control With Efficient Numerical Method. <i>IEEE Transactions on Transportation Electrification</i> , 2022, 8, 2516-2530.	5.3	4
209	Driver Monitoring of Automated Vehicles by Classification of Driver Drowsiness Using a Deep Convolutional Neural Network Trained by Scalograms of ECG Signals. <i>Energies</i> , 2022, 15, 480.	1.6	16
210	A CFD-ML augmented alternative to residence time for clarification basin scaling and design. <i>Water Research</i> , 2022, 209, 117965.	5.3	12
211	Comparison of tree-based machine learning algorithms for predicting liquefaction potential using canonical correlation forest, rotation forest, and random forest based on CPT data. <i>Soil Dynamics and Earthquake Engineering</i> , 2022, 154, 107130.	1.9	30
212	Use Information You Have Never Observed Together: Data Fusion as a Major Step Towards Realistic Test Scenarios. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
213	Building Random Forest QSAR Models for Affinity Identification of 14-3-3 $\hat{\eta}$ with Optimized Parameters. , 2020, , .		0
214	Hyperparameter optimization based on a priori and a posteriori knowledge about classification problem. Scientific and Technical Journal of Information Technologies, Mechanics and Optics, 2020, 20, 828-834.	0.1	3
215	Predictive Comparison Between Random Machines and Random Forests. Journal of Data Science, 2021, , 593-614.	0.5	1
216	Classification of amyotrophic lateral sclerosis by brain volume, connectivity, and network dynamics. Human Brain Mapping, 2022, 43, 681-699.	1.9	17
217	Hyper-Parameters Tuning for Hyperspectral Image Classification. , 2021, , .		3
218	The Effect of Educational Background on High Jobs and Income. , 2021, , .		0
219	Hyperparameter Tuning of Machine Learning Algorithms Using Response Surface Methodology: A Case Study of ANN, SVM, and DBN. Mathematical Problems in Engineering, 2022, 2022, 1-17.	0.6	27
220	Ensemble learning from ensemble docking: revisiting the optimum ensemble size problem. Scientific Reports, 2022, 12, 410.	1.6	16
221	Prediction of acute appendicitis among patients with undifferentiated abdominal pain at emergency department. BMC Medical Research Methodology, 2022, 22, 18.	1.4	7
222	Greenhouse gas dynamics in an urbanized river system: influence of water quality and land use. Environmental Science and Pollution Research, 2022, 29, 37277-37290.	2.7	11
223	Model selection in reconciling hierarchical time series. Machine Learning, 2022, 111, 739-789.	3.4	6
224	Machine learning-driven identification of drugs inhibiting cytochrome P450 2C9. PLoS Computational Biology, 2022, 18, e1009820.	1.5	11
225	Online Studentsâ€™ Learning Behaviors and Academic Success: An Analysis of LMS Log Data From Flipped Classrooms via Regularization. IEEE Access, 2022, 10, 10740-10753.	2.6	12
226	Model Optimisation Techniques for Convolutional Neural Networks. Advances in Computational Intelligence and Robotics Book Series, 2022, , 269-298.	0.4	1
227	Stochastic Modelling of Mineral Exploration Targets. Mathematical Geosciences, 2022, 54, 593-621.	1.4	17
228	Heterogeneity in COVID-19 pandemic-induced lifestyle stressors predicts future mental health in adults and children in the US and UK. Journal of Psychiatric Research, 2022, 147, 291-300.	1.5	27
229	Quantitative methods for descriptive intersectional analysis with binary health outcomes. SSM - Population Health, 2022, 17, 101032.	1.3	23
230	Tuning hyperparameters of machine learning algorithms and deep neural networks using metaheuristics: A bioinformatics study on biomedical and biological cases. Computational Biology and Chemistry, 2022, 97, 107619.	1.1	66

#	ARTICLE	IF	CITATIONS
231	Unbiased plasma proteomics discovery of biomarkers for improved detection of subclinical atherosclerosis. EBioMedicine, 2022, 76, 103874.	2.7	23
232	Plant sizes and shapes above and belowground and their interactions with climate. New Phytologist, 2022, 235, 1032-1056.	3.5	45
233	Poplar's Waterlogging Resistance Modeling and Evaluating: Exploring and Perfecting the Feasibility of Machine Learning Methods in Plant Science. Frontiers in Plant Science, 2022, 13, 821365.	1.7	2
234	Application of Hybrid Machine Learning Algorithms for Flood Susceptibility Modeling. , 2022, , 105-118.		2
235	CovidAlert - A Wristwatch-Based System to Alert Users from Face Touching. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 489-504.	0.2	2
236	Enhancing Expressiveness of Models for Static Route-Free Estimation of Time of Arrival in Urban Environments. Transportation Research Procedia, 2022, 62, 432-441.	0.8	3
237	Describing Intersectional Health Outcomes. Epidemiology, 2022, 33, 395-405.	1.2	17
238	Predicting depression among rural and urban disabled elderly in China using a random forest classifier. BMC Psychiatry, 2022, 22, 118.	1.1	23
239	Unlocking the black box: Non-parametric option pricing before and during COVID-19. Annals of Operations Research, 2022, , 1-24.	2.6	4
240	Gut microbiota and BMI throughout childhood: the role of firmicutes, bacteroidetes, and short-chain fatty acid producers. Scientific Reports, 2022, 12, 3140.	1.6	65
241	Testing Investment Forecast Efficiency with Forecasting Narratives. Jahrbucher Fur Nationalokonomie Und Statistik, 2022, 242, 191-222.	0.4	2
242	Explainable Machine Learning Reveals Capabilities, Redundancy, and Limitations of a Geospatial Air Quality Benchmark Dataset. Machine Learning and Knowledge Extraction, 2022, 4, 150-171.	3.2	8
243	Performance Analysis of Machine Learning Algorithms for Energy Demand's Supply Prediction in Smart Grids. Sustainability, 2022, 14, 2546.	1.6	17
244	Selecting Machine Learning Models to Support the Design of Al/CuO Nanothermites. Journal of Physical Chemistry A, 2022, 126, 1245-1254.	1.1	4
245	Defining Wildfire Susceptibility Maps in Italy for Understanding Seasonal Wildfire Regimes at the National Level. Fire, 2022, 5, 30.	1.2	24
246	Agricultural non-point sources and their effects on chlorophyll-a in a eutrophic lake over three decades (1985-2020). Environmental Science and Pollution Research, 2022, 29, 46634-46648.	2.7	14
247	Development and evaluation of frameworks for real-time bus passenger occupancy prediction. International Journal of Transportation Science and Technology, 2023, 12, 399-413.	2.0	7
248	Detecting Moving Trucks on Roads Using Sentinel-2 Data. Remote Sensing, 2022, 14, 1595.	1.8	1

#	ARTICLE	IF	CITATIONS
249	Soil Classification and Feature Importance of EPBM Data Using Random Forests. , 2022, , .		1
250	Implementing Artificial Intelligence Techniques to Predict Environmental Impacts: Case of Construction Products. Sustainability, 2022, 14, 3699.	1.6	10
251	A Machine Learning-Based Approach to Clinopyroxene Thermobarometry: Model Optimization and Distribution for Use in Earth Sciences. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	26
252	Regularized target encoding outperforms traditional methods in supervised machine learning with high cardinality features. Computational Statistics, 2022, 37, 2671-2692.	0.8	30
253	Can machine learning accelerate process understanding and decision-relevant predictions of river water quality?. Hydrological Processes, 2022, 36, .	1.1	26
254	Investigation of Heat Transfer Characteristics of Heavy-Duty Spark Ignition Natural Gas Engines Using Machine Learning. , 0, , .		3
255	Prediction of Rainfall in Australia Using Machine Learning. Information (Switzerland), 2022, 13, 163.	1.7	11
256	Geostatistics and Artificial Intelligence Applications for Spatial Evaluation of Bearing Capacity after Dynamic Compaction. Advances in Civil Engineering, 2022, 2022, 1-19.	0.4	1
257	Hyperparameter tuning for multi-label classification of feedbacks in online courses. Journal of Intelligent and Fuzzy Systems, 2022, 42, 4493-4501.	0.8	1
258	Using machine learning to identify important predictors of COVID-19 infection prevention behaviors during the early phase of the pandemic. Patterns, 2022, 3, 100482.	3.1	14
259	Environmental controls of billfish species in the Indian Ocean and implications for their management and conservation. Diversity and Distributions, 2022, 28, 1554-1567.	1.9	8
260	Developing a random forest algorithm to identify patent foramen ovale and atrial septal defects in Ontario administrative databases. BMC Medical Informatics and Decision Making, 2022, 22, 93.	1.5	4
261	Serological profiling reveals hsa-miR-451a as a possible biomarker of anaphylaxis. JCI Insight, 2022, 7, .	2.3	9
262	Image-Based 3D Reconstruction of Granular Grains via Hybrid Algorithm and Level Set with Convolution Kernel. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	1.5	7
263	Estimation of probable maximum precipitation of a high-mountain basin in a changing climate. Hydrology Research, 2022, 53, 221-240.	1.1	2
264	Fusing Sentinel-1 and -2 to Model GEDI-Derived Vegetation Structure Characteristics in GEE for the Paraguayan Chaco. Remote Sensing, 2021, 13, 5105.	1.8	21
265	Tuning Hyperparameters of Machine Learning Methods for Afan Oromo Hate Speech Text Detection for Social Media. , 2021, , .		2
266	Balancing Complex Signals for Robust Predictive Modeling. Sensors, 2021, 21, 8465.	2.1	0

#	ARTICLE	IF	CITATIONS
267	Can Machine Learning from Real-World Data Support Drug Treatment Decisions? A Prediction Modeling Case for Direct Oral Anticoagulants. <i>Medical Decision Making</i> , 2021, , 0272989X2110646.	1.2	6
268	Evaluating the practical limitations of TinyML: an experimental approach. , 2021, , .		2
269	Change Points Detection and Trend Analysis to Characterize Changes in Meteorologically Normalized Air Pollutant Concentrations. <i>Atmosphere</i> , 2022, 13, 64.	1.0	0
270	Handwritten digit recognition based on classical machine learning methods. , 2022, , .		1
271	Machine Learning-Enabled IoT Security: Open Issues and Challenges Under Advanced Persistent Threats. <i>ACM Computing Surveys</i> , 2023, 55, 1-37.	16.1	20
272	16S rRNA and metagenomic shotgun sequencing data revealed consistent patterns of gut microbiome signature in pediatric ulcerative colitis. <i>Scientific Reports</i> , 2022, 12, 6421.	1.6	22
273	Community-based service ecosystem evolution analysis. <i>Service Oriented Computing and Applications</i> , 2022, 16, 97-110.	1.3	7
274	Development of a Diabetes Diagnosis System Using Machine Learning Algorithms. <i>International Journal of Distributed Systems and Technologies</i> , 2022, 13, 1-22.	0.6	0
275	China's Public Firms' Attitudes towards Environmental Protection Based on Sentiment Analysis and Random Forest Models. <i>Sustainability</i> , 2022, 14, 5046.	1.6	4
276	Machine learning approaches to predict the 1-year-after-initial-AMI survival of elderly patients. <i>BMC Medical Informatics and Decision Making</i> , 2022, 22, 115.	1.5	3
277	Towards robust smart data-driven soil erodibility index prediction under different scenarios. <i>Geocarto International</i> , 2022, 37, 13176-13209.	1.7	1
278	On Wasted Contributions: Understanding the Dynamics of Contributor-Abandoned Pull Requests—A Mixed-Methods Study of 10 Large Open-Source Projects. <i>ACM Transactions on Software Engineering and Methodology</i> , 2023, 32, 1-39.	4.8	2
279	Sensor Screening Methodology for Virtually Sensing Transmission Input Loads of a Wind Turbine Using Machine Learning Techniques and Drivetrain Simulations. <i>Sensors</i> , 2022, 22, 3659.	2.1	5
280	Poverty classification based on unsatisfied basic needs index: a comparison of supervised learning algorithms. <i>SN Social Sciences</i> , 2022, 2, 1.	0.4	0
281	Demographics as Determinants of Building Occupants' Indoor Environmental Perceptions: Insights from a Machine Learning Incremental Modeling and Analysis Approach. <i>Journal of Computing in Civil Engineering</i> , 2022, 36, .	2.5	5
282	BIM and machine learning in seismic damage prediction for non-structural exterior infill walls. <i>Automation in Construction</i> , 2022, 139, 104288.	4.8	9
283	MeltpoolNet: Melt pool characteristic prediction in Metal Additive Manufacturing using machine learning. <i>Additive Manufacturing</i> , 2022, 55, 102817.	1.7	13
284	Optimized structure learning of Bayesian Network for investigating causation of vehicles' on-road crashes. <i>Reliability Engineering and System Safety</i> , 2022, 224, 108527.	5.1	11



#	ARTICLE	IF	CITATIONS
285	Leveraging Machine Learning and Geo-Tagged Citizen Science Data to Disentangle the Factors of Avian Mortality Events at the Species Level. <i>Remote Sensing</i> , 2022, 14, 2369.	1.8	0
286	Machine learning predicts electro spray particle size. <i>Materials and Design</i> , 2022, 219, 110735.	3.3	11
287	Identifying adverse childhood experiences with electronic health records of linked mothers and children in England: a multistage development and validation study. <i>The Lancet Digital Health</i> , 2022, 4, e482-e496.	5.9	8
288	Explaining Artificial Intelligence with Care. <i>KI - Kunstliche Intelligenz</i> , 2022, 36, 125-134.	2.2	6
289	Manifold embedding data-driven mechanics. <i>Journal of the Mechanics and Physics of Solids</i> , 2022, 166, 104927.	2.3	15
290	Training and Analysis of Hyperparameters in Neural Networks for Computer Vision Applications: A Didactic Approach. , 2022, , .		0
291	<scp>Pattern-oriented</scp> analysis of system dynamics models via random forests. <i>System Dynamics Review</i> , 2022, 38, 135-166.	1.1	1
292	Interactive planning of revisiting-free itinerary for signed-for delivery. <i>International Journal of Data Science and Analytics</i> , 0, , .	2.4	0
293	Generalizable prediction of COVID-19 mortality on worldwide patient data. <i>JAMIA Open</i> , 2022, 5, .	1.0	5
294	Lessons for Data-Driven Modelling from Harmonics in the Norwegian Grid. <i>Algorithms</i> , 2022, 15, 188.	1.2	0
295	Green Area Index and Soil Moisture Retrieval in Maize Fields Using Multi-Polarized C- and L-Band SAR Data and the Water Cloud Model. <i>Remote Sensing</i> , 2022, 14, 2496.	1.8	1
296	Applications of Machine Learning in Knowledge Management System: A Comprehensive Review. <i>Journal of Information and Knowledge Management</i> , 2022, 21, .	0.8	6
297	Decoding Physical and Cognitive Impacts of Particulate Matter Concentrations at Ultra-Fine Scales. <i>Sensors</i> , 2022, 22, 4240.	2.1	0
298	Potential Distribution of Invasive Boxwood Blight Pathogen ( <i>Calonectriapseudonaviculata</i> ) as Predicted by Process-Based and Correlative Models. <i>Biology</i> , 2022, 11, 849.	1.3	4
299	Machine learning techniques to improve the field performance of low-cost air quality sensors. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3261-3278.	1.2	3
300	Estimating dry biomass and plant nitrogen concentration in pre-Alpine grasslands with low-cost UAS-borne multispectral data – a comparison of sensors, algorithms, and predictor sets. <i>Biogeosciences</i> , 2022, 19, 2699-2727.	1.3	16
301	Analysis of the evolution of parametric drivers of high-end sea-level hazards. <i>Advances in Statistical Climatology, Meteorology and Oceanography</i> , 2022, 8, 117-134.	0.6	2
302	Machine learning models to predict the delivered positions of Elekta multileaf collimator leaves for volumetric modulated arc therapy. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, .	0.8	2

#	ARTICLE	IF	CITATIONS
303	Metagenomic Analyses of Multiple Gut Datasets Revealed the Association of Phage Signatures in Colorectal Cancer. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	16
304	Using random forest to identify longitudinal predictors of health in a 30-year cohort study. <i>Scientific Reports</i> , 2022, 12, .	1.6	15
305	Segmentation of PMSE Data Using Random Forests. <i>Remote Sensing</i> , 2022, 14, 2976.	1.8	3
306	Learning analytics to predict students'™ performance: A case study of a neurodidactics-based collaborative learning platform. <i>Education and Information Technologies</i> , 2022, 27, 12913-12938.	3.5	5
307	Global relationships in tree functional traits. <i>Nature Communications</i> , 2022, 13, .	5.8	29
308	An Attentive LSTM based approach for adverse drug reactions prediction. <i>Applied Intelligence</i> , 0, , .	3.3	1
309	Understanding the Controlling Factors for CO <sub>2</sub> Sequestration in Depleted Shale Reservoirs Using Data Analytics and Machine Learning. <i>ACS Omega</i> , 2022, 7, 20845-20859.	1.6	3
310	Identifying specifications of in-use vehicles failing the inspection/maintenance emission test. <i>Transportation Research, Part D: Transport and Environment</i> , 2022, 108, 103327.	3.2	1
311	Random forest-based modeling of stream nutrients at national level in a data-scarce region. <i>Science of the Total Environment</i> , 2022, 840, 156613.	3.9	19
312	Optimal feature selection and classification of Indian classical dance hand gesture dataset. <i>Visual Computer</i> , 2023, 39, 4049-4064.	2.5	2
313	Novel extreme regression-voting classifier to predict death risk in vaccinated people using VAERS data. <i>PLoS ONE</i> , 2022, 17, e0270327.	1.1	2
314	Herbage Mass, N Concentration, and N Uptake of Temperate Grasslands Can Adequately Be Estimated from UAV-Based Image Data Using Machine Learning. <i>Remote Sensing</i> , 2022, 14, 3066.	1.8	9
316	Targeting Paleovalley-Related Ferricrete Units in Yilgarn Craton Using High-Resolution Aeromagnetic Data and Spatial Machine Learning. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 879.	0.8	0
317	Identifying the Determinants of Regional Raw Milk Prices in Russia Using Machine Learning. <i>Agriculture (Switzerland)</i> , 2022, 12, 1006.	1.4	2
318	Improving Random Forest Algorithm for University Academic Affairs Management System Platform Construction. <i>Advances in Multimedia</i> , 2022, 2022, 1-9.	0.2	0
321	Towards urban flood susceptibility mapping using data-driven models in Berlin, Germany. <i>Geomatics, Natural Hazards and Risk</i> , 2022, 13, 1640-1662.	2.0	14
322	Classification of dairy cow excretory events using a tail-mounted accelerometer. <i>Computers and Electronics in Agriculture</i> , 2022, 199, 107187.	3.7	4
323	A novel ConvLSTM with multifeature fusion for financial intelligent trading. <i>International Journal of Intelligent Systems</i> , 0, , .	3.3	4

#	ARTICLE	IF	CITATIONS
324	Disentangling the impact of childhood abuse and neglect on depressive affect in adulthood: A machine learning approach in a general population sample. <i>Journal of Affective Disorders</i> , 2022, 315, 17-26.	2.0	3
325	Comparing R-Vine Copulas and Quantile Regression Forests for Reliability Forecasting of Renewable Energies. , 2022, , .		0
326	Restaurant Queuing Time Prediction Using Random Forest Regression. , 2022, , .		1
327	Prediction of Serum Adsorption onto Polymer Brush Films by Machine Learning. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 3765-3772.	2.6	4
328	Machine Learning Techniques for Phenology Assessment of Sugarcane Using Conjunctive SAR and Optical Data. <i>Remote Sensing</i> , 2022, 14, 3249.	1.8	6
329	GPS-Based Traffic Conditions Classification Using Machine Learning Approaches. <i>Transportation Research Record</i> , 2023, 2677, 1445-1454.	1.0	1
330	Machine Learning to Assess Relatedness: The Advantage of Using Firm-Level Data. <i>Complexity</i> , 2022, 2022, 1-12.	0.9	5
331	Synergetic use of unmanned aerial vehicle and satellite images for detecting non-native tree species: An insight into <i>Acacia saligna</i> invasion in the Mediterranean coast. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	4
332	University admission process: a prescriptive analytics approach. <i>Artificial Intelligence Review</i> , 2023, 56, 233-256.	9.7	5
333	Privacy leakage of LoRaWAN smart parking occupancy sensors. <i>Future Generation Computer Systems</i> , 2023, 138, 142-159.	4.9	12
334	The global distribution of known and undiscovered ant biodiversity. <i>Science Advances</i> , 2022, 8, .	4.7	45
335	An Efficient High-Throughput Screening of High Gentamicin-Producing Mutants Based on Titer Determination Using an Integrated Computer-Aided Vision Technology and Machine Learning. <i>Analytical Chemistry</i> , 2022, 94, 11659-11669.	3.2	0
336	Tag Estimation Method for ALOHA RFID System Based on Machine Learning Classifiers. <i>Electronics (Switzerland)</i> , 2022, 11, 2605.	1.8	2
337	Tree-based machine learning models for prediction of bed elevation around bridge piers. <i>Physics of Fluids</i> , 2022, 34, .	1.6	5
338	Is smart water meter temporal resolution a limiting factor to residential water end-use classification? A quantitative experimental analysis. <i>Environmental Research: Infrastructure and Sustainability</i> , 2022, 2, 045004.	0.9	3
339	Trees, forests, chickens, and eggs: when and why to prune trees in a random forest. <i>Statistical Analysis and Data Mining</i> , 2023, 16, 45-64.	1.4	4
340	Tropical cyclone full track simulation in the western North Pacific based on random forests. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2022, 228, 105119.	1.7	5
341	Machine Learning, Deep Learning and Statistical Analysis for forecasting building energy consumption "A systematic review. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 115, 105287.	4.3	70

#	ARTICLE	IF	CITATIONS
342	Interpretable machine learning methods to explain on-farm yield variability of high productivity wheat in Northwest India. <i>Field Crops Research</i> , 2022, 287, 108640.	2.3	12
343	Use of LinkedIn Data and Machine Learning to Analyze Gender Differences in Construction Career Paths. <i>Journal of Management in Engineering - ASCE</i> , 2022, 38, .	2.6	16
344	Machine learning predictions of lithium-ion battery state-of-health for eVTOL applications. <i>Journal of Power Sources</i> , 2022, 548, 232051.	4.0	9
345	Arctic shrub expansion revealed by Landsat-derived multitemporal vegetation cover fractions in the Western Canadian Arctic. <i>Remote Sensing of Environment</i> , 2022, 281, 113228.	4.6	18
346	Effects of stopping criterion on the growth of trees in regression random forests. , 2022, , 1-16.		1
347	An Auxiliary Diagnostic System for Parkinsonâ€™s Disease Based on Wearable Sensors and Genetic Algorithm Optimized Random Forest. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022, 30, 2254-2263.	2.7	2
348	HyVADRF: Hybrid VADERâ€™Random Forest and GWO for Bitcoin Tweet Sentiment Analysis. <i>IEEE Access</i> , 2022, 10, 101889-101897.	2.6	17
349	Performance Evaluation of Depthwise Separable CNN and Random Forest Algorithms for Landslide Susceptibility Prediction. , 2022, , .		2
350	A comparison of multiple imputation strategies to deal with missing nonnormal data in structural equation modeling. <i>Behavior Research Methods</i> , 2023, 55, 3100-3119.	2.3	3
351	Boosting the Scalability of Farm-Level Models: Efficient Surrogate Modeling of Compositional Simulation Output. <i>Computational Economics</i> , 0, , .	1.5	3
352	Modeling Spatial Distribution of Snow Water Equivalent by Combining Meteorological and Satellite Data with Lidar Maps. , 2022, 1, .		2
353	Alternative stopping rules to limit tree expansion for random forest models. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
354	Sentiment analysis based on Chinese BERT and fused deep neural networks for sentence-level Chinese e-commerce product reviews. <i>Systems Science and Control Engineering</i> , 2022, 10, 802-810.	1.8	1
355	Comparing Out-of-Sample Performance of Machine Learning Methods to Forecast U.S. GDP Growth. <i>Computational Economics</i> , 0, , .	1.5	4
356	Machine learning-based prediction model for late recurrence after surgery in patients with renal cell carcinoma. <i>BMC Medical Informatics and Decision Making</i> , 2022, 22, .	1.5	4
357	Cognitive Performance and Learning Parameters Predict Response to Working Memory Training in Parkinsonâ€™s Disease. <i>Journal of Parkinson's Disease</i> , 2022, , 1-13.	1.5	1
358	A Horizontal Federated Random Forest for Heart Disease Detection from Decentralized Local Data. , 2022, , .		1
359	Landing manoeuvres predict roost-site preferences in bats. <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	1

#	ARTICLE	IF	CITATIONS
360	Machine Learning and Hyperparameters Algorithms for Identifying Groundwater Aflaj Potential Mapping in Semi-Arid Ecosystems Using LiDAR, Sentinel-2, GIS Data, and Analysis. Remote Sensing, 2022, 14, 5425.	1.8	5
361	Machine learning applications in river research: Trends, opportunities and challenges. Methods in Ecology and Evolution, 2022, 13, 2603-2621.	2.2	16
362	What weather variables are important for wet and slab avalanches under a changing climate in a low-altitude mountain range in Czechia?. Natural Hazards and Earth System Sciences, 2022, 22, 3501-3525.	1.5	1
363	Modeling the Agricultural Soil Landscape of Germanyâ€™ A Data Science Approach Involving Spatially Allocated Functional Soil Process Units. Agriculture (Switzerland), 2022, 12, 1784.	1.4	0
364	Bi-objective Extraction-injection Optimization Modeling for Saltwater Intrusion Control Considering Surrogate Model Uncertainty. Water Resources Management, 2022, 36, 6017-6042.	1.9	3
365	DHU-Pred: accurate prediction of dihydrouridine sites using position and composition variant features on diverse classifiers. PeerJ, 0, 10, e14104.	0.9	3
367	Optimization of the Random Forest Hyperparameters for Power Industrial Control Systems Intrusion Detection Using an Improved Grid Search Algorithm. Applied Sciences (Switzerland), 2022, 12, 10456.	1.3	14
368	Prediction for the Customer Behavior in the Financial Institution Based on the Machine Learning Algorithms. , 0, 28, 202-206.		0
369	Supervised similarity learning for corporate bonds using Random Forest proximities. , 2022, , .		1
370	Characterization of Land-Cover Changes and Forest-Cover Dynamics in Togo between 1985 and 2020 from Landsat Images Using Google Earth Engine. Land, 2022, 11, 1889.	1.2	7
371	Performance analysis and modelling of a 50ÂMW grid-connected photovoltaic plant in Spain after 12 years of operation. Renewable and Sustainable Energy Reviews, 2022, 170, 112968.	8.2	4
372	Machine learning-augmented surface-enhanced spectroscopy toward next-generation molecular diagnostics. Nanoscale Advances, 2023, 5, 538-570.	2.2	23
373	Comparative Study of Machine Learning Algorithms for Voice based Gender Identification. , 2022, , .		1
374	Prediction of the extubation outcome through Electrical Impedance Tomography measurements. , 2022, , .		0
375	Improving interpretation of sea-level projections through a machine-learning-based local explanation approach. Cryosphere, 2022, 16, 4637-4657.	1.5	2
376	Predicting willingness to donate blood based on machine learning: two blood donor recruitments during COVID-19 outbreaks. Scientific Reports, 2022, 12, .	1.6	2
377	Implementation of free and open-source semi-automatic feature engineering tool in landslide susceptibility mapping using the machine-learning algorithms RF, SVM, and XGBoost. Stochastic Environmental Research and Risk Assessment, 2023, 37, 1067-1092.	1.9	11
378	Comparison of machine learning models for bluetongue risk prediction: a seroprevalence study on small ruminants. BMC Veterinary Research, 2022, 18, .	0.7	2

#	ARTICLE	IF	CITATIONS
379	DOES MACHINE LEARNING PREDICTION DAMPEN THE INFORMATION ASYMMETRY FOR NON-LOCAL INVESTORS?. International Journal of Strategic Property Management, 2022, 26, 345-361.	0.8	0
380	Quantifying the Effect of River Ice Surface Roughness on Sentinel-1 SAR Backscatter. Remote Sensing, 2022, 14, 5644.	1.8	3
381	Effects of random forest modeling decisions on biogeochemical time series predictions. Limnology and Oceanography: Methods, 2023, 21, 40-52.	1.0	5
382	Using machine-learning strategies to solve psychometric problems. Scientific Reports, 2022, 12, .	1.6	3
383	Combining data envelopment analysis and Random Forest for selecting optimal locations of solar PV plants. Energy and AI, 2023, 11, 100222.	5.8	7
384	Topological Forest. IEEE Access, 2022, 10, 131711-131721.	2.6	0
385	Predicting Salaries with Random-Forest Regression. Unsupervised and Semi-supervised Learning, 2022, , 1-21.	0.4	1
386	Optical Detection of Marine Debris Using Deep Knockoff. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	4
387	Data-Driven Nonparametric Probabilistic Optimal Power Flow: An Integrated Probabilistic Forecasting and Analysis Methodology. IEEE Transactions on Power Systems, 2023, 38, 5820-5833.	4.6	0
388	Lumpy Skin Disease Prediction Based on Meteorological and Geospatial Features using Random Forest Algorithm with Hyperparameter Tuning. , 2022, , .		3
389	Machine Learning for Uterine Cervix Screening. , 2022, , .		3
390	LipidOA: A Machine-Learning and Prior-Knowledge-Based Tool for Structural Annotation of Glycerophospholipids. Analytical Chemistry, 2022, 94, 16759-16767.	3.2	6
391	OA-Pain-Sense: Machine Learning Prediction of Hip and Knee Osteoarthritis Pain from IMU Data. Informatics, 2022, 9, 97.	2.4	3
392	Machine learning-based prediction of drug approvals using molecular, physicochemical, clinical trial, and patent-related features. Expert Opinion on Drug Discovery, 0, , 1-17.	2.5	0
393	Exploiting Sentinel-2 dataset to assess flow intermittency in non-perennial rivers. Scientific Reports, 2022, 12, .	1.6	3
394	An empirical analysis of behavioral maintenance for organizational change in Ethiopia through machine learning techniques. International Journal of Research in Business and Social Science, 2022, 11, 01-12.	0.1	0
395	Estimate earth fissure hazard based on machine learning in the Qaâ€™™ Jahran Basin, Yemen. Scientific Reports, 2022, 12, .	1.6	5
396	Development of machine learning models for the prediction of positive surgical margins in transoral robotic surgery (<sc>TORS</sc>). Head and Neck, 2023, 45, 675-684.	0.9	9

#	ARTICLE	IF	CITATIONS
397	Optimal microRNA Sequencing Depth to Predict Cancer Patient Survival with Random Forest and Cox Models. <i>Genes</i> , 2022, 13, 2275.	1.0	2
398	A Systematic Assessment of Genetic Algorithm (GA) in Optimizing Machine Learning Model: A Case Study from Building Science. , 2022, , .		0
399	Can details depoliticize? An examination of the formalization strategy. <i>Public Administration</i> , 2024, 102, 249-263.	2.3	1
400	A reduced latency regional gap-filling method for SMAP using random forest regression. <i>IScience</i> , 2023, 26, 105853.	1.9	1
401	Impacts of Certain Meteorological Factors on Atmospheric NO <sub>2</sub> Concentrations during COVID-19 Lockdown in 2020 in Wuhan, China. <i>Sustainability</i> , 2022, 14, 16720.	1.6	1
402	Effect of Provenance and Environmental Factors on Tree Growth and Tree Water Status of Norway Spruce. <i>Forests</i> , 2023, 14, 156.	0.9	2
403	Machine learning algorithms for deeper understanding and better design of composite adhesive joints. <i>Materials Today Communications</i> , 2023, 34, 105428.	0.9	1
404	Coastal Dune Invaders: Integrative Mapping of <i>Carpobrotus</i> sp. pl. (Aizoaceae) Using UAVs. <i>Remote Sensing</i> , 2023, 15, 503.	1.8	6
405	A Data-Driven Method for Arrival Sequencing and Scheduling Problem. <i>Aerospace</i> , 2023, 10, 62.	1.1	0
406	Comparison of Three Different Random Forest Approaches to Retrieve Daily High-Resolution Snow Cover Maps from MODIS and Sentinel-2 in a Mountain Area, Gran Paradiso National Park (NW Alps). <i>Remote Sensing</i> , 2023, 15, 343.	1.8	3
407	Structural Damage Identification System Suitable for Old Arch Bridge in Rural Regions: Random Forest Approach. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2023, 136, 447-469.	0.8	2
408	Approaching the upper boundary of driver-response relationships: identifying factors using a novel framework integrating quantile regression with interpretable machine learning. <i>Frontiers of Environmental Science and Engineering</i> , 2023, 17, .	3.3	1
409	Shapley values reveal the drivers of soil organic carbon stock prediction. <i>Soil</i> , 2023, 9, 21-38.	2.2	6
410	Supervised machine learning for theory building and testing: Opportunities in operations management. <i>Journal of Operations Management</i> , 2023, 69, 643-675.	3.3	8
411	Is irrigation water an overlooked source of nitrogen in agriculture?. <i>Agricultural Water Management</i> , 2023, 278, 108147.	2.4	4
412	IRIS Data Classification using Genetic Algorithm Tuned Random Forest Classification. , 2022, , .		0
413	Identifying Critical Thresholds in the Impacts of Invasive Alien Plants and Dune Paths on Native Coastal Dune Vegetation. <i>Land</i> , 2023, 12, 135.	1.2	2
414	Comparative Analysis of Machine Learning Algorithms using GANs through Credit Card Fraud Detection. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
415	Machine Learning-Enabled Framework for High-Throughput Screening of MOFs: Application in Radon/Indoor Air Separation. ACS Applied Materials & Interfaces, 2023, 15, 1305-1316.	4.0	1
416	Product progression: a machine learning approach to forecasting industrial upgrading. Scientific Reports, 2023, 13, .	1.6	7
417	A methodology for emotional intelligence testing in elderly people with low-cost EEG and PPG devices. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 2351-2367.	3.3	5
418	Assessing the likelihood of drought impact occurrence with extreme gradient boosting: a case study on the public water supply in South Korea. Journal of Hydroinformatics, 2023, 25, 191-207.	1.1	2
419	Are SHAP Values Biased Towards High-Entropy Features?. Communications in Computer and Information Science, 2023, , 418-433.	0.4	2
420	A unified ML framework for solubility prediction across organic solvents. , 2023, 2, 356-367.		7
421	Integrated data-driven modeling and experimental optimization of granular hydrogel matrices. Matter, 2023, 6, 1015-1036.	5.0	9
422	Sentimental Analysis of COVID-19 Vaccine Tweets Using BERT+NBSVM. Communications in Computer and Information Science, 2023, , 238-247.	0.4	0
423	Several Tree-Based Solutions for Predicting Flyrock Distance Due to Mine Blasting. Applied Sciences (Switzerland), 2023, 13, 1345.	1.3	15
424	The use of machine learning and deep learning techniques to assess proprioceptive impairments of the upper limb after stroke. Journal of NeuroEngineering and Rehabilitation, 2023, 20, .	2.4	5
425	Optimizing Public Grievance Detection Accuracy Through Hyperparameter Tuning of Random Forest and Hybrid Model. Communications in Computer and Information Science, 2023, , 463-476.	0.4	0
426	Predicting the Performance of ATL Model Transformations. , 2023, , .		1
427	Extending regional habitat classification systems to ocean basin scale using predicted species distributions as proxies. Frontiers in Marine Science, 0, 10, .	1.2	0
428	Evaluating Drivers of the Patient Experience Triangle: Stress, Anxiety, and Frustration. International Journal of Environmental Research and Public Health, 2023, 20, 5384.	1.2	1
429	Surrogate modelling of solar radiation potential for the design of PV module layout on entire facade of tall buildings. Energy and Buildings, 2023, 286, 112958.	3.1	3
430	Mapping individual tree and plot-level biomass using airborne and mobile lidar in piñon-juniper woodlands. International Journal of Applied Earth Observation and Geoinformation, 2023, 118, 103232.	0.9	2
431	Correlation-based damage detection method using convolutional neural network for civil infrastructure. Computers and Structures, 2023, 282, 107034.	2.4	2
432	Modeling potential natural vegetation: A new light on an old concept to guide nature conservation in fragmented and degraded landscapes. Ecological Modelling, 2023, 481, 110382.	1.2	1



#	ARTICLE	IF	CITATIONS
433	Random Forest Algorithm for the Strength Prediction of Geopolymer Stabilized Clayey Soil. Sustainability, 2023, 15, 1408.	1.6	11
434	Prediction of Ground Water Level in Rajasthan State Using Machine Learning. Procedia Computer Science, 2023, 218, 1702-1711.	1.2	1
436	A multivariate approach for mapping a soil quality index and its uncertainty in southern France. European Journal of Soil Science, 2023, 74, .	1.8	2
437	Prediction of the Tropospheric NO2 Column Concentration and Distribution Using the Time Sequence-Based versus Influencing Factor-Based Random Forest Regression Model. Sustainability, 2023, 15, 2748.	1.6	0
438	COSTI: a New Classifier for Sequences of Temporal Intervals. , 2022, , .		0
439	A workflow for the automated detection and classification of female gibbon calls from long-term acoustic recordings. Frontiers in Ecology and Evolution, 0, 11, .	1.1	3
440	Modeling approach for coastal dune habitat detection on coastal ecosystems combining very high-resolution UAV imagery and field survey. Remote Sensing in Ecology and Conservation, 2023, 9, 251-267.	2.2	1
441	Which molecular properties determine the impact sensitivity of an explosive? A machine learning quantitative investigation of nitroaromatic explosives. Physical Chemistry Chemical Physics, 2023, 25, 6877-6890.	1.3	6
442	Dyeing Behavior of Enzyme and Chitosan-Modified Polyester and Estimation of Colorimetry Parameters Using Random Forests. Fibers and Polymers, 2023, 24, 221-241.	1.1	1
443	How to Statistically Disentangle the Effects of Environmental Factors and Human Disturbances: A Review. Water (Switzerland), 2023, 15, 734.	1.2	6
444	A machine-learning aided multiscale homogenization model for crystal plasticity: application for face-centered cubic single crystals. Computational Mechanics, 0, , .	2.2	1
445	Land Use and Land Cover Change in the Vaal Dam Catchment, South Africa: A Study Based on Remote Sensing and Time Series Analysis. Geomatics, 2023, 3, 205-220.	1.0	3
446	A methodology for prioritizing safety indicators using individual vehicle trajectory data. Journal of Transportation Safety and Security, 2024, 16, 18-42.	1.1	0
447	WebGIS-Based Real-Time Surveillance and Response System for Vector-Borne Infectious Diseases. International Journal of Environmental Research and Public Health, 2023, 20, 3740.	1.2	2
448	Predictors of healthy physiological aging across generations in a 30-year population-based cohort study: the Doetinchem Cohort Study. BMC Geriatrics, 2023, 23, .	1.1	2
449	Earthquake building damage detection based on synthetic-aperture-radar imagery and machine learning. Natural Hazards and Earth System Sciences, 2023, 23, 789-807.	1.5	10
450	Transferability of data-driven models to predict urban pluvial flood water depth in Berlin, Germany. Natural Hazards and Earth System Sciences, 2023, 23, 809-822.	1.5	9
451	Estimation of rubberized concrete frost resistance using machine learning techniques. Construction and Building Materials, 2023, 371, 130778.	3.2	10

#	ARTICLE	IF	CITATIONS
452	Crash Risk Predictors in Older Drivers: A Cross-Sectional Study Based on a Driving Simulator and Machine Learning Algorithms. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 4212.	1.2	2
453	A Comparison of Modeling Methods for Predicting Forest Attributes Using Lidar Metrics. <i>Remote Sensing</i> , 2023, 15, 1284.	1.8	7
454	Framework for the Assessment of Data Masking Performance Penalties in SQL Database Servers. Case Study: Oracle. <i>IEEE Access</i> , 2023, 11, 18520-18541.	2.6	2
455	Performance of Multiple Models for Estimating Rodent Activity Intensity in Alpine Grassland Using Remote Sensing. <i>Remote Sensing</i> , 2023, 15, 1404.	1.8	1
456	Population-Based Mini-Mental State Examination Norms in Adults of Mexican Heritage in the Cameron County Hispanic Cohort. <i>Journal of Alzheimer's Disease</i> , 2023, 92, 1323-1339.	1.2	0
457	Leveraging Important Covariate Groups for Corn Yield Prediction. <i>Agriculture (Switzerland)</i> , 2023, 13, 618.	1.4	1
458	Machine learning for detecting DNA attachment on SPR biosensor. <i>Scientific Reports</i> , 2023, 13, .	1.6	6
459	Using data analytics for telehealth utilization: A case study in Arkansas. <i>Journal of Telemedicine and Telecare</i> , 0, , 1357633X2311600.	1.4	1
460	An Automatic Search Image Augmentation Algorithm for UAV Identification. <i>Lecture Notes in Electrical Engineering</i> , 2023, , 2715-2724.	0.3	0
461	Geomorphology, Land-Use, and Hemeroby of Foothills in Colombian Orinoquia: Classification and Correlation at a Regional Scale. <i>Papers in Applied Geography</i> , 2023, 9, 295-314.	0.8	1
462	An Integrated System of Braden Scale and Random Forest Using Real-Time Diagnoses to Predict When Hospital-Acquired Pressure Injuries (Bedsore) Occur. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 4911.	1.2	1
463	Using machine learning to identify early predictors of adolescent emotion regulation development. <i>Journal of Research on Adolescence</i> , 0, , .	1.9	0
464	Occurrence Prediction of Riffle Beetles (Coleoptera: Elmidae) in a Tropical Andean Basin of Ecuador Using Species Distribution Models. <i>Biology</i> , 2023, 12, 473.	1.3	1
465	Connecting EPBM Data to Ground Movement Data Using Machine Learning. , 2023, , .		1
466	Complex modeling with detailed temporal predictors does not improve health records-based suicide risk prediction. <i>Npj Digital Medicine</i> , 2023, 6, .	5.7	7
467	Filter Validation for Detecting Outliers of Photoplethysmograph Data. , 2023, , .		0
468	A High-Robust Displacement Prediction Model for Super-High Arch Dams Integrating Wavelet De-Noise and Improved Random Forest. <i>Water (Switzerland)</i> , 2023, 15, 1271.	1.2	1
469	Machine learning based orthodontic treatment planning for mixed dentition borderline cases suffering from moderate to severe crowding: An experimental research study. <i>Technology and Health Care</i> , 2023, 31, 1723-1735.	0.5	1

#	ARTICLE	IF	CITATIONS
470	iTabNet: an improved neural network for tabular data and its application to predict socioeconomic and environmental attributes. <i>Neural Computing and Applications</i> , 2023, 35, 11389-11402.	3.2	1
471	Predicting Extraction Selectivity of Acetic Acid in Pervaporation by Machine Learning Models with Data Leakage Management. <i>Environmental Science &amp; Technology</i> , 2023, 57, 5934-5946.	4.6	14
472	Drivers of future streamflow changes in watersheds across the Northeastern United States. <i>Journal of the American Water Resources Association</i> , 0, , .	1.0	0
473	Rock mass structural recognition from drill monitoring technology in underground mining using discontinuity index and machine learning techniques. <i>International Journal of Mining Science and Technology</i> , 2023, 33, 555-571.	4.6	7
474	An Improved Data-Driven Method for Steering Feedback Torque of Driving Simulator. <i>IEEE/ASME Transactions on Mechatronics</i> , 2023, 28, 2953-2963.	3.7	1
475	Application of Machine Learning Algorithms to Predict Uncontrolled Diabetes Using the All of Us Research Program Data. <i>Healthcare (Switzerland)</i> , 2023, 11, 1138.	1.0	3
476	Digital mapping of the soil available water capacity: tool for the resilience of agricultural systems to climate change. <i>Science of the Total Environment</i> , 2023, 882, 163572.	3.9	2
477	Mapping Invasive Herbaceous Plant Species with Sentinel-2 Satellite Imagery: <i>Echium plantagineum</i> in a Mediterranean Shrubland as a Case Study. <i>Geomatics</i> , 2023, 3, 328-344.	1.0	2
478	Satellite-Based Estimation of Soil Moisture Content in Croplands: A Case Study in Golestan Province, North of Iran. <i>Remote Sensing</i> , 2023, 15, 2155.	1.8	2
485	Estimating Earth's Albedo from Moon Images using Random Forest will Enable Climate Change Monitoring. , 2022, , .		0
495	Identifying Common Barriers to Formal Disclosure of Sexual Violence. <i>Advances in Religious and Cultural Studies</i> , 2023, , 397-422.	0.1	0
500	Diagnosis and Classification of Breast Cancer Using Multiple Machine Learning Algorithms. , 2023, , .		0
510	Strengthening Structural Baselines for Graph Classification Using Local Topological Profile. <i>Lecture Notes in Computer Science</i> , 2023, , 597-611.	1.0	0
545	Evaluating the use of machine learning algorithms in environmental sensing for energy saving. , 2023, , .		0
555	A Prediction Approach for Small Healthcare Dataset. , 2023, , .		0
559	Analysis of chemical composition of ancient glass products based on random forest. , 2023, , .		0
560	Detection of skin cancer through shape features and grid search machine learning approach. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
570	Maximizing Efficiency in Digital Twin Generation Through Hyperparameter Optimization. <i>Lecture Notes in Mechanical Engineering</i> , 2024, , 592-599.	0.3	0

#	ARTICLE	IF	CITATIONS
589	Research on Real-time Detection of Stacked Objects Based on Deep Learning. Journal of Intelligent and Robotic Systems: Theory and Applications, 2023, 109, .	2.0	0
591	Instils Trust in Random Forest Predictions. , 2023, , .		0
594	Discovering Key Aspects to Reduce Employee Turnover Using a Predictive Model. Communications in Computer and Information Science, 2024, , 380-395.	0.4	0
602	Characterizing Distributed Machine Learning Workloads on Apache Spark. , 2023, , .		0
632	Leveraging AI-Based Approaches to Forecast Bike Demand in Smart Citites. , 2023, , .		0
635	Machine Learning-based Approaches for Crop Recommendations and Prediction. , 2023, , .		0
641	Predicting Interfacial Tension in CO2/Brine Systems: A Data-Driven Approach and Its Implications for Carbon Geostorage. , 2024, , .		0
651	Performance Measurement of Classification Algorithms for Aerial Image Registration. Studies in Computational Intelligence, 2024, , 386-403.	0.7	0