CITATION REPORT
List of articles citing

State-of-the-art in artificial neural network applications: A survey

#	Paper	IF	Citations
1085	Artificial Neural Network Analysis of Spontaneous Preterm Labor and Birth and Its Major Determinants. **2019**, 34, e128		19
1084	Long short-term memory (LSTM) recurrent neural network for low-flow hydrological time series forecasting. **2019**, 67, 1471-1481		69
1083	Semisupervised self-learning granular neural networks for remote sensing image classification. **2019**, 83, 105655		7
1082	Very Low Power Neural Network FPGA Accelerators for Tag-Less Remote Person Identification Using Capacitive Sensors. **2019**, 7, 102217-102231		6
1081	ATLASLang NMT: Arabic text language into Arabic sign language neural machine translation. **2019**,		1
1080	Exponential stability of positive neural networks in bidirectional associative memory model with delays. **2019**, 42, 6339-6357		5
1079	Current status and applications of Artificial Intelligence (AI) in medical field: An overview. **2019**, 9, 231-237		36
1078	Surrogate-based optimization for reduction of contagion susceptibility in financial systems. **2019**,		1
1077	Security Analysis of an Efficient Null Space-Based Homomorphic MAC Scheme Against Tag Pollution Attacks in RLNC. **2019**, 7, 88393-88398		3
1076	Achieving Neuroplasticity in Artificial Neural Networks through Smart Cities. **2019**, 2, 118-134		32
1075	Glomerular Filtration Rate Estimation by a Novel Numerical Binning-Less Isotonic Statistical Bivariate Numerical Modeling Method. **2019**, 10, 100		2
1074	A multilayered semantic framework for integrated forensic acquisition on social media. **2019**, 29, 147-158		8
1073	Prediction of Wind Speed Distribution Using Artificial Neural Network: The Case of Saudi Arabia. **2019**, 163, 41-48		2
1072	Artificial Neural Networks Android-Based Interface Facial Recognition Systems. **2019**,		
1071	Modeling and management of human resources in the reconfiguration of production system in industry 4.0 by neural networks. **2019**,		1
1070	Long-Term Adaptivity in Distributed Intelligent Systems: Study of ViaBots in a Simulated Environment. **2019**, 8, 25		1
1069	Longitudinal Wheel Slip Regulation using Nonlinear Autoregressive-Moving Average (NARMA-L2) Neural Controller*. **2019**,		

1068	Spectrum Cost Optimization for Cognitive Radio Transmission over TV White Spaces using Artificial Neural Networks. **2019**,	1
1067	Efficient SVM-based approach for CBIR. **2019**,	2
1066	Hyperparameter Optimization of LSTM Network Models through Genetic Algorithm. **2019**,	9
1065	Surrogate models in bidirectional optimization of coupled microgrids. **2019**, 67, 1035-1046	5
1064	Toward Better PV Panels Output Power Prediction; a Module Based on Nonlinear Autoregressive Neural Network with Exogenous Inputs. **2019**, 9, 3670	2
1063	Forecasting Daily Air Quality in Northern Thailand Using Machine Learning Techniques. **2019**,	0
1062	Prediction Analysis of Student Specialization Suitability using Artificial Neural Network Algorithm. **2019**,	0
1061	Predicting Rice Pest Population Occurrence with Satellite-Derived Crop Phenology, Ground Meteorological Observation, and Machine Learning: A Case Study for the Central Plain of Thailand. **2019**, 9, 4846	12
1060	Tackling environmental challenges in pollution controls using artificial intelligence: A review. **2020**, 699, 134279	81
1059	Magnetic Explosives Detection System (MEDS) based on wireless sensor network and machine learning. **2020**, 151, 107112	5
1058	Cities and the Digital Revolution. **2020**,	22
1057	Optimisation and process design tools for cleaner production. **2020**, 247, 119181	23
1056	Recent Advances in Evapotranspiration Estimation Using Artificial Intelligence Approaches with a Focus on Hybridization Techniques A Review. **2020**, 10, 101	33
1055	Using Recurrent Neural Networks for Data-Centric Business. **2020**, 73-91	1
1054	Detection of fuel failure in pressurized water reactor with artificial neural network. **2020**, 140, 107104	3
1053	Misleading results on the use of artificial neural networks for correlating and predicting properties of fluids. A case on the solubility of refrigerant R-32 in ionic liquids. **2020**, 298, 112009	7
1052	Improving healthcare access management by predicting patient no-show behaviour. **2020**, 138, 113398	5
1051	Estimating the probability of wildfire occurrence in Mediterranean landscapes using Artificial Neural Networks. **2020**, 85, 106474	16

1050 Neuronal Networks as a Way to introduce System Knowledge in Numerical Computations. **2020**,

1049 Application of Artificial Intelligence in Early Diagnosis of Spontaneous Preterm Labor and Birth. **2020**, 10, 11

1048 Machine Learning Modeling for Energy Consumption of Residential and Commercial Sectors. **2020**, 13, 5171 9

1047 Houghencoder: Neural Network Architecture for Document Image Semantic Segmentation. **2020**, 5

1046 Classification of handwritten digits using the Hopfield network. **2020**, 862, 052048 3

1045 Machine learning approach for predicting refrigerant two-phase pressure drop inside Brazed Plate Heat Exchangers (BPHE). **2020**, 163, 120450 3

1044 A DDoS attack detection and defense scheme using time-series analysis for SDN. **2020**, 54, 102587 8

1043 Resilient back-propagation approach in small-world feed-forward neural network topology based on Newman⎯Watts algorithm. **2020**, 32, 16279-16289 7

1042 ComplexCTTP: Complexity Class Based Transcoding Time Prediction for Video Sequences Using Artificial Neural Network. **2020**, 2

1041 Mathematical Modeling and Optimization Studies by Artificial Neural Network, Genetic Algorithm and Response Surface Methodology: A Case of Ferric Sulfate⎯Catalyzed Esterification of Neem (Azadirachta indica) Seed Oil. **2020**, 8, 5

1040 Prediction of properties over the length of the coil during thermo-mechanical processing using DNN. **2020**, 1-9 0

1039 Artificial neural network to predict the performance of the phosphoric ?acid production. **2020**, 177, 444-449 6

1038 All-terminal network reliability estimation using convolutional neural networks. **2020**, 1748006X2096946 3

1037 CNN and GRU based Deep Neural Network for Electricity Theft Detection to Secure Smart Grid. **2020**, 17

1036 Machine-learning-based simulation and fed-batch control of cyanobacterial-phycocyanin production in Plectonema by artificial neural network and deep reinforcement learning. **2020**, 142, 107016 12

1035 Design of a sensor based on neural networks to determine sludge level of industrial thickeners. **2020**, 16, 155014772093315

1034 Development of waiting time predictor based Artificial Neural Network. **2020**, 847, 012026 0

1033 The Most Used Activation Functions: Classic Versus Current. **2020**, 10

1014	Dynamic forecasting model for indoor pollutant concentration using recurrent neural network. **2020**, 1420326X2097473	
1013	HDEC: A Heterogeneous Dynamic Ensemble Classifier for Binary Datasets. **2020**, 2020, 8826914	1
1012	Increasing the Efficiency of Optimized V-SBA-15 Catalysts in the Selective Oxidation of Methane to Formaldehyde by Artificial Neural Network Modelling. **2020**, 10, 1411	5
1011	EMG Characterization and Processing in Production Engineering. **2020**, 13,	4
1010	Virtual In-line Inspection for Function Verification in Serial Production by means of Artificial Intelligence. **2020**, 92, 63-68	1
1009	AI-based Building Management and Information System with Multi-agent Topology for an Energy-efficient Building: Towards Occupants Comfort. **2020**, 1-12	1
1008	Optimization and Prediction of Spectral Response of Metasurfaces Using Artificial Intelligence. **2020**, 10, 1114	1
1007	Modeling of Prediction Bandwidth Density with Backpropagation Neural Network (BPNN) Methods. **2020**, 852, 012127	0
1006	Surrogate modelling of VLE: Integrating machine learning with thermodynamic constraints. **2020**, 8, 100080	2
1005	Event driven sliding mode control of a lower limb exoskeleton based on a continuous neural network electromyographic signal classifier. **2020**, 72, 102451	6
1004	Personality traits analysis using Artificial Neural Networks: A Literature Survey. **2020**,	3
1003	Transition Metal Dichalcogenides for the Application of Pollution Reduction: A Review. **2020**, 10,	24
1002	Hybrid features and optimization-driven recurrent neural network for glaucoma detection. **2020**, 30, 1143-1161	4
1001	EEG-based intelligent system for cognitive behavior classification. **2020**, 39, 177-194	0
1000	Artificial intelligence and machine learning approaches to energy demand-side response: A systematic review. **2020**, 130, 109899	103
999	Modeling and comparative study of heat exchangers fouling in phosphoric acid concentration plant using experimental data. **2020**, 56, 2653-2666	1
998	Determination of the Factors Affecting King Abdul Aziz University Published Articles in ISI by Multilayer Perceptron Artificial Neural Network. **2020**, 8, 766	
997	Earthquake risk assessment using an integrated Fuzzy Analytic Hierarchy Process with Artificial Neural Networks based on GIS: A case study of Sanandaj in Iran. **2020**, 50, 101705	35

996	Utilization of Lignocellulosic Waste for Acridine Orange Uptake: Insights into Multiparameter Isotherms Modeling with ANN-Aimed Formulation. **2020**, 146, 04020096	5
995	Influence of surface quality on residual stress of API 5L X80 steel submitted to static load and its prediction by artificial neural networks. **2020**, 108, 3753-3764	2
994	AI-based investigation of molecular biomarkers of longevity. **2020**, 21, 731-744	3
993	Regression methods in waveform modeling: a comparative study. **2020**, 37, 075012	16
992	Multi-objective optimization studies of microalgae dewatering by utilizing bio-based alkali: a case study of response surface methodology (RSM) and genetic algorithm (GA). **2020**, 2, 1	
991	Modeling occupant behavior in buildings. **2020**, 174, 106768	56
990	Dynamic System Identification and Prediction Using a Self-Evolving TakagiSugenoKang-Type Fuzzy CMAC Network. **2020**, 9, 631	1
989	Deep Q-learning based resource allocation in industrial wireless networks for URLLC. **2020**, 14, 1022-1027	4
988	A new network forensic framework based on deep learning for Internet of Things networks: A particle deep framework. **2020**, 110, 91-106	40
987	Lion Algorithm-Optimized Long Short-Term Memory Network for Groundwater Level Forecasting in Udupi District, India. **2020**, 2020, 1-8	13
986	An empirical analysis of intention of use for bike-sharing system in China through machine learning techniques. **2021**, 15, 829-850	4
985	CovidSens: a vision on reliable social sensing for COVID-19. **2020**, 54, 1-25	39
984	An artificial intelligence model based on the proteomic profile of euploid embryos and blastocyst morphology: a preliminary study. **2021**, 42, 340-350	8
983	A systematic review of convolutional neural network-based structural condition assessment techniques. **2021**, 226, 111347	61
982	Modeling the corrosion rate of carbon steel in carbonated mixtures of MDEA-based solutions using artificial neural network. **2021**, 147, 300-310	4
981	Automated organization of interaction between modules of information systems based on neural network data channels. **2021**, 33, 7249-7269	5
980	Machine learning modeling and genetic algorithm-based optimization of a novel pilot-scale thermosyphon-assisted falling film distillation unit. **2021**, 259, 118122	4
979	EDTA functionalised cocoa pod carbon encapsulated SPIONs via green synthesis route to ameliorate textile dyes - Kinetics, isotherms, central composite design and artificial neural network. **2021**, 19, 100349	6

978   Evaluation of feature selection methods based on artificial neural network weights. **2021**, 168, 114312   12

977   Ca50 estimation based on Neural Network and smooth variable structure filter. **2021**, 114, 499-507   2

976   FastTTPS: fast approach for video transcoding time prediction and scheduling for HTTP adaptive streaming videos. **2021**, 24, 1605-1621   1

975   A new PCI analysis methodology based on artificial neural network. **2021**, 58, 333-346

974   Debottlenecking cogeneration systems under process variations: Multi-dimensional bottleneck tree analysis with neural network ensemble. **2021**, 215, 119168   2

973   Automated students arabic essay scoring using trained neural network by e-jaya optimization to support personalized system of instruction. **2021**, 26, 1165-1181   5

972   Modeling fractional polytropic gas spheres using artificial neural network. **2021**, 33, 4533-4546   4

971   Discrete-time high-order neural network identifier trained with high-order sliding mode observer and unscented Kalman filter. **2021**, 424, 172-178   2

970   Short-term flood forecasting using artificial neural networks, extreme learning machines, and M5 model tree. **2021**, 263-279   2

969   Screening of sleep apnea based on heart rate variability and long short-term memory. **2021**, 25, 1821-1829   7

968   Introduction of Deep Learning in Thermographic Monitoring of Cultural Heritage and Improvement by Automatic Thermogram Pre-Processing Algorithms. **2021**, 21,   6

967   How Do Machines Learn? Artificial Intelligence as a New Era in Medicine. **2021**, 11,   17

966   A Compressive Receding Horizon Approach for Smart Home Energy Management. **2021**, 9, 100407-100435   1

965   Improving the Performance of Short-Term Load Forecast Using a Hybrid Artificial Neural Network and Artificial Bee Colony Algorithm Amﾟoration des performances de la prﾟision de la charge ﾟ court terme ﾟlﾟide dﾟn rﾟeau neuronal artificiel hybride et dﾟn algorithme de colonies dﾟbeilles artificielles. **2021**, 44, 275-282   3

964   AI Meets CRNs: A Prospective Review on the Application of Deep Architectures in Spectrum Management. **2021**, 9, 113954-113996   3

963   Alarms management by supervisory control and data acquisition system for wind turbines. **2021**, 23, 110-116   13

962   Artificial Intelligence and Machine Learning in Rice Research. **2021**, 239-275   1

961   Application of Artificial Neural Network to Predict Load Bearing Capacity and Stiffness of Perforated Masonry Walls. **2021**, 2, 48-67   13

960	. **2021**, 9, 92500-92515	8
959	Applications of IoT and Artificial Intelligence in Water Quality Monitoring and Prediction: A Review. **2021**,	1
958	Artificial neural network-assisted glacier forefield soil temperature retrieval from temperature measurements. **2021**, 143, 1157-1166	4
957	. **2021**, 9, 123672-123688	6
956	Time Series Forecasting in Retail Sales Using LSTM and Prophet. **2021**, 241-262	
955	Modelling IF Steels Using Artificial Neural Networks and Automated Machine Learning. **2021**, 659-668	
954	Predictive Models in the Assessment of Tax Fraud Evidences. **2021**, 69-79	
953	Geometric Regularized Hopfield Neural Network for Medical Image Enhancement. **2021**, 2021, 6664569	13
952	User Automotive Powertrain-Type Choice Model and Analysis Using Neural Networks. **2021**, 13, 585	0
951	Multi-Class Diagnosis of Skin Lesions Using the Fourier Spectral Information of Images on Additive Color Model by Artificial Neural Network. **2021**, 9, 35207-35216	6
950	Molecular modelling of compounds used for corrosion inhibition studies: a review. **2021**, 23, 19987-20027	17
949	. **2021**, 9, 74155-74167	4
948	Artificial Neural Networking for remediation of methylene blue dye using Fuller's earth clay. **2021**, 4, 100131	3
947	Smart access control system by using sparse representation features. **2021**, 4, e278	0
946	Detailed analysis of implementation of aviation NMT system and the effects of aviation post-processing tools on TDIL tourism corpus. **2021**,	0
945	Applying machine learning approach in recycling. **2021**, 23, 855-871	11
944	Application of Inverse Neural Networks for Optimal Pretension of Absorbable Mini Plate and Screw System. **2021**, 11, 1350	1
943	Forecasting of municipal solid waste generation using non-linear autoregressive (NAR) neural models. **2021**, 121, 206-214	13

942	Differential Evolution Optimal Parameters Tuning with Artificial Neural Network. **2021**, 9, 427	6
941	Virtualizing AI at the Distributed Edge towards Intelligent IoT Applications. **2021**, 10, 13	4
940	A Survey of Rain Attenuation Prediction Models for Terrestrial Links-Current Research Challenges and State-of-the-Art. **2021**, 21,	9
939	No Matter What Images You Share, You Can Probably Be Fingerprinted Anyway. **2021**, 7,	3
938	Vortex search optimization algorithm for training of feed-forward neural network. **2021**, 12, 1517-1544	5
937	A Generalization Performance Study Using Deep Learning Networks in Embedded Systems. **2021**, 21,	6
936	Deep neural network for fitting analytical potential energy curve of diatomic molecules from ro-vibrational spectra. 1-9	
935	Mathematical Modelling of Biosensing Platforms Applied for Environmental Monitoring. **2021**, 9, 50	3
934	Estimations of giant dipole resonance parameters using artificial neural network. **2021**, 169, 109581	7
933	Predicting Risk of Antenatal Depression and Anxiety Using Multi-Layer Perceptrons and Support Vector Machines. **2021**, 11,	2
932	Satellite Imagery for Monitoring and Mapping Soil Chromium Pollution in a Mine Waste Dump. **2021**, 13, 1277	2
931	Physically interpretable machine learning algorithm on multidimensional non-linear fields. **2021**, 428, 110074	3
930	Evaluation the Effects of Climate Change on the Flow of the Arkansas River ⊡United States. **2021**, 6, 65-74	1
929	Artificial Intelligence in Process Engineering. **2021**, 3, 2000261	4
928	Comparison the effect of fruits extract with fungal protease on waffle quality. **2021**, 58, 4766-4774	1
927	Evaluation of Artificial Neural Networks Performance Using Various Normalization Methods for Water Demand Forecasting. **2021**,	
926	Convolutional Neural Network for Drowsiness Detection Using EEG Signals. **2021**, 21,	13
925	A Database for Learning Numbers by Visual Finger Recognition in Developmental Neuro-Robotics. **2021**, 15, 619504	0

924	Toward Reliable Compact Modeling of Multilevel 1T-1R RRAM Devices for Neuromorphic Systems. **2021**, 10, 645	14
923	Development and performance of CUHAS-ROBUST application for pulmonary rifampicin-resistance tuberculosis screening in Indonesia. **2021**, 16, e0249243	
922	Image convolution: a linear programming approach for filters design. **2021**, 25, 8941-8956	3
921	Supervised or unsupervised learning? Investigating the role of pattern recognition assumptions in the success of binary predictive prescriptions. **2021**, 434, 165-193	2
920	Tree-based ensemble methods for predicting the module temperature of a grid-tied photovoltaic system in the desert. **2021**, 18, 1430-1440	7
919	DeepSI: Interactive Deep Learning for Semantic Interaction. **2021**,	2
918	Neural network hyperparameter optimization for prediction of real estate prices in Helsinki. **2021**, 7, e444	3
917	Computational intelligence techniques for modeling of dynamic adsorption of organic pollutants on activated carbon. 1	1
916	Machine Learning and Syncope Management in the ED: The Future Is Coming. **2021**, 57,	1
915	High-Fidelity Modeling of Light-Duty Vehicle Emission and Fuel Economy Using Deep Neural Networks.	0
914	. **2021**,	0
913	Comparative performance analysis of support vector regression and artificial neural network for prediction of municipal solid waste generation. **2021**, 734242X211008526	4
912	Positioning and focusing of light sources in light concentrating systems using convolutional neural network modelling. **2021**, 218, 445-454	1
911	Keras2c: A library for converting Keras neural networks to real-time compatible C. **2021**, 100, 104182	5
910	Development of sustainable and ecofriendly metal ion scavenger for adsorbing Cu2+, Ni2+ and Zn2+ ions from the aqueous phase. 1-18	1
909	Porosity Characterization of Thermal Barrier Coatings by Ultrasound with Genetic Algorithm Backpropagation Neural Network. **2021**, 2021, 1-9	2
908	Convolutional Neural Network-based Inertia Estimation using Local Frequency Measurements. **2021**,	2
907	Prediction of ambulatory outcome in patients with corona radiata infarction using deep learning. **2021**, 11, 7989	3

| 906 | Deep Neural Network with Hyperparameter Tuning for Detection of Heart Disease. **2021**, | 3 |

| 905 | Design of Hybrid Neural Controller for Nonlinear MIMO System Based on NARMA-L2 Model. 1-14 | 0 |

| 904 | A New Approach to Constructing a Decentralized Hierarchical Modular Network for Solving Complex Problems in the Paradigm of Training Artificial Neural Networks with a Teacher. **2021**, 30, 112-130 | 1 |

| 903 | Numerical Estimation of Wiebe Function Parameters Using Artificial Neural Networks in SI Engine. | 3 |

| 902 | Applying artificial neural networks (ANNs) to solve solid waste-related issues: A critical review. **2021**, 124, 385-402 | 42 |

| 901 | Artificial Neural Network Analyzing Wearable Device Gait Data for Identifying Patients With Stroke Unable to Return to Work. **2021**, 12, 650542 | 11 |

| 900 | AERO: A 1.28 MOP/s/LUT Reconfigurable Inference Processor for Recurrent Neural Networks in a Resource-Limited FPGA. **2021**, 10, 1249 | 1 |

| 899 | Survey on video compression techniques for efficient transmission. **2021**, 1916, 012211 | |

| 898 | Risk Prediction of Barrett's Esophagus in a Taiwanese Health Examination Center Based on Regression Models. **2021**, 18, | 0 |

| 897 | Machine Learning-Based Algorithms to Knowledge Extraction from Time Series Data: A Review. **2021**, 6, 55 | 5 |

| 896 | Recurrent Neural Network based Underground Object Detection using A-scan Ground Penetrating Radar. **2021**, | |

| 895 | Level Crossing Barrier Machine Faults and Anomaly Detection with the Use of Motor Current Waveform Analysis. **2021**, 14, 3206 | 1 |

| 894 | An artificial neural network model to predict olive mechanical harvesting: a first approach based on metadata. **2021**, 355-360 | 2 |

| 893 | Denoising and feature extraction of weld seam profiles by stacked denoising autoencoder. **2021**, 65, 1725-1733 | 1 |

| 892 | Fuzzy rule-based neural appointed-time control for uncertain nonlinear systems with aperiodic samplings. **2021**, 170, 114504 | 4 |

| 891 | New Epistemological Perspectives on Quantitative Methods: An Example Using Topological Data Analysis. **2021**, 2, 16 | 1 |

| 890 | Predicting unregulated disinfection by-products in water distribution networks using generalized regression neural networks. 1-14 | 1 |

| 889 | Machine Learning and transcritical sprays: A demonstration study of their potential in ECN Spray-A. 146808742110202 | 1 |

888	Simulation of the biochemical and chemical oxygen demand and total suspended solids in wastewater treatment plants: Data-mining approach. **2021**, 296, 126533	8
887	Collective view: mapping distribution along beaches. **2021**, 7, e528	3
886	All Hardware-Based Two-Layer Perceptron Implemented in Memristor Crossbar Arrays. **2021**,	
885	Traffic Monitoring System Based on Deep Learning and Seismometer Data. **2021**, 11, 4590	0
884	Predicting Heuristic Decisions in Child Welfare: A Neural Network Exploration. 1	0
883	Bioprocess Control: Current Progress and Future Perspectives. **2021**, 11,	13
882	Improving the Accuracy and Time Interval of Predicting Ambient Parameters Applied to Dynamic Line Rating. **2021**, 5, 11	
881	Multispectral Fingerprinting Resolves Dynamics of Nanomaterial Trafficking in Primary Endothelial Cells. **2021**,	7
880	Artificial neural network techniques for evaluation of pollution. **2021**, 796, 012052	
879	An Empirical Study: Automated Subdomain Takeover Threat Detection. **2021**,	
878	Neural network-based reliable H_{∞} filtering in finite frequency domain for nonlinear Markov jump system. **2021**,	
877	Enhancing Crisis Management because of Deep Learning, Big Data and Parallel Computing Environment: Survey. **2021**,	1
876	Application of Machine Learning on sequential deconvolution and convolution techniques for analysis of images from Nuclear Track Detectors (NTDs). **2021**, 144, 106581	0
875	Risk of Bias Assessment in Preclinical Literature using Natural Language Processing.	1
874	Role of Artificial Neural Networks Techniques in Development of Market Intelligence: A Study of Sentiment Analysis of eWOM of a Women Clothing Company. **2021**, 16, 1862-1876	0
873	Superhydrophobic Polymer Topography Design Assisted by Machine Learning Algorithms. **2021**, 13, 30155-30164	
872	In silico prediction of drug-induced ototoxicity using machine learning and deep learning methods. **2021**, 98, 248-257	3
871	Machine Learning-Reinforced Noninvasive Biosensors for Healthcare. **2021**, 10, e2100734	7

870	Heterogeneous model parallelism for deep neural networks. **2021**, 441, 1-12	1
869	A new ANN based crystal plasticity model for FCC materials and its application to non-monotonic strain paths. **2021**, 144, 103059	5
868	Modeling of Environmental Impacts on Aerial Hyperspectral Images for Corn Plant Phenotyping. **2021**, 13, 2520	0
867	Neural Network Backstepping Controller Design for Fractional-Order Nonlinear Systems. **2021**, 2021, 1-8	0
866	Modelling and analysing the impact of Circular Economy; Internet of Things and ethical business practices in the VUCA world: Evidence from the food processing industry. **2021**, 301, 126871	11
865	Evolving scenario of big data and Artificial Intelligence (AI) in drug discovery. **2021**, 25, 1439-1460	11
864	abNER information extraction from manufacturing process science domain literature using named entity recognition. 1	5
863	A Nonlinear System Science Approach to Find the Robust Solar Wind Drivers of the Multivariate Magnetosphere. **2021**, 19, e2020SW002634	1
862	LSTM: Co-Designing Highly-Efficient Large LSTM Training via Exploiting Memory-Saving and Architectural Design Opportunities. **2021**,	2
861	Nanopore Technology and Its Applications in Gene Sequencing. **2021**, 11,	15
860	Prediction of tropospheric ozone using artificial neural network (ANN) and feature selection techniques. 1	2
859	. **2021**,	3
858	Forecasting Air Temperature on Edge Devices with Embedded AI. **2021**, 21,	4
857	Enhancement of membrane system performance using artificial intelligence technologies for sustainable water and wastewater treatment: A critical review. 1-31	4
856	Pearson Correlation Coefficient-based performance enhancement of Vanilla Neural Network for stock trend prediction. **2021**, 33, 16985	7
855	Prediction of Methanol Production in a Carbon Dioxide Hydrogenation Plant Using Neural Networks. **2021**, 14, 3965	
854	Density-Sorting-Based Convolutional Fuzzy Min-Max Neural Network for Image Classification. **2021**,	0
853	Machine learning driven landslide susceptibility prediction for the Uttarkashi region of Uttarakhand in India. 1-14	1

852	A study on the estimations of (n, t) reaction cross-sections at 14.5 MeV by using artificial neural network. **2021**, 36, 2150168	2
851	An SVM approach towards breast cancer classification from H&E-stained histopathology images based on integrated features. **2021**, 59, 1773-1783	1
850	The Artificial Intelligence of Things Sensing System of Real-Time Bridge Scour Monitoring for Early Warning during Floods. **2021**, 21,	1
849	ANNs for Automatic Speech RecognitionA Survey. **2022**, 35-48	1
848	A survey on deep learning methods for power load and renewable energy forecasting in smart microgrids. **2021**, 144, 110992	59
847	Machine Learning Evaluating Evolutionary Fitness Depending on Initial Conditions. **2021**,	
846	Neural network laundering: Removing black-box backdoor watermarks from deep neural networks. **2021**, 106, 102277	9
845	Real-Time Data Analysis with Artificial Intelligence in Parts Manufactured by FDM Printer Using Image Processing Method. **2022**, 50, 20210125	2
844	A Review Towards Deep Learning for Sentiment Analysis. **2021**,	2
843	Automated Inorganic Pigment Classification in Plastic Material Using Terahertz Spectroscopy. **2021**, 21,	3
842	Lesion Detection and Classification for Breast Cancer Diagnosis Based on Deep CNNs from Digital Mammographic Data. **2021**, 257-292	
841	Advanced big-data/machine-learning techniques for optimization and performance enhancement of the heat pipe technology A review and prospective study. **2021**, 294, 116969	5
840	A Survey of Research on Data Analytics-Based Legal Tech. **2021**, 13, 8085	2
839	IoT-Based Solutions for Smart Healthcare. **2021**, 25-67	0
838	Machine Learning-Based Tools for Wind Turbine Acoustic Monitoring. **2021**, 11, 6488	0
837	Driving Factors of CO2 Emissions: Further Study Based on Machine Learning. **2021**, 9,	5
836	Nonlinear autoregressive-moving average-L2 (NARMA-L2) controller for multivariable ball mill plant. **2021**,	
835	A Comparative Assessment of Machine-Learning Techniques for Forest Degradation Caused by Selective Logging in an Amazon Region Using Multitemporal X-Band SAR Images. **2021**, 13, 3341	5

| 834 | Probing impact of molecular structure on bulk modulus and impact sensitivity of energetic materials by machine learning methods. **2021**, 215, 104331 | 2 |

| 833 | Machine learning prediction of dropping out of outpatients with alcohol use disorders. **2021**, 16, e0255626 | 2 |

| 832 | Deep Learning and Social Media for Managing Disaster: Survey. **2022**, 12-30 | 1 |

| 831 | NFnetFu: A novel workflow for microbiome data fusion. **2021**, 135, 104556 | 0 |

| 830 | An optimal feed-forward artificial neural network model and a new empirical correlation for prediction of the relative viscosity of AlO-engine oil nanofluid. **2021**, 11, 17072 | 1 |

| 829 | Exploring the reliability of different artificial intelligence techniques in predicting earthquake for Malaysia. **2021**, 147, 106826 | 2 |

| 828 | A textual-based featuring approach for depression detection using machine learning classifiers and social media texts. **2021**, 135, 104499 | 22 |

| 827 | A Hybrid Deep Neural Network for Electricity Theft Detection Using Intelligent Antenna-Based Smart Meters. **2021**, 2021, 1-19 | 5 |

| 826 | Estimation of effective cohesion using artificial neural networks based on index soil properties: A Singapore case. **2021**, 289, 106163 | 3 |

| 825 | Machine learning approach for carrier surface design in carrier-based dry powder inhalation. **2021**, 151, 107367 | 2 |

| 824 | Bio-inspired computation for big data fusion, storage, processing, learning and visualization: state of the art and future directions. **2021**, 1-31 | 4 |

| 823 | An integrated framework for predicting the best financial performance of banks: evidence from Egypt. **2021**, ahead-of-print, | 0 |

| 822 | Neural network feature and architecture optimization for injection molding surface defect prediction of model polypropylene. **2021**, 61, 2376-2387 | 2 |

| 821 | Extraction of phenolic compounds from cocoa shell: Modeling using response surface methodology and artificial neural networks. **2021**, 270, 118779 | 19 |

| 820 | Extreme events in globally coupled chaotic maps. **2021**, 2, 035021 | 8 |

| 819 | Understanding the Correlation between Lithium Dendrite Growth and Local Material Properties by Machine Learning. **2021**, 168, 090523 | 1 |

| 818 | Iterative Prediction-and-Optimization for E-Logistics Distribution Network Design. | 1 |

| 817 | Data-driven flood hazard zonation of Italy. **2021**, 294, 112986 | 2 |

816	Long short-term memory artificial neural network approach to forecast meteorology and PM2.5 local variables in Bogotá Colombia. 1	3
815	Emotionally charged text classification with deep learning and sentiment semantic. 1	5
814	COVID-LIBERTY, A Machine Learning Computational Framework for the Study of the Covid-19 Pandemic in Europe. Part 1: Building of an Artificial Neural Network and Analysis and Parametrization of Key Factors which Influence the Spread of the Virus.. **2021**, 8, 12-26	1
813	Monitoring Crack Propagation using Data-Driven Causal Discovery and Supervised Learning.	
812	CoolVox: Advanced 3D convolutional neural network models for predicting solar radiation on building facades. 1	4
811	Pulp and paper characterization by means of artificial neural networks for effluent solid waste minimization A case study. **2021**, 105, 283-291	2
810	The rise of deep learning and transformations in bioactivity prediction power of molecular modeling tools. **2021**, 98, 954-967	3
809	A Survey on Recent Named Entity Recognition and Relationship Extraction Techniques on Clinical Texts. **2021**, 11, 8319	4
808	Application of Machine Learning Techniques to an Agent-Based Model of. **2021**, 12, 726409	0
807	Use of Novel Thermography Features of Extraction and Different Artificial Neural Network Algorithms in Breast Cancer Screening. 1	1
806	A stock selection algorithm hybridizing grey wolf optimizer and support vector regression. **2021**, 179, 115078	12
805	A review on application of artificial neural network (ANN) for performance and emission characteristics of diesel engine fueled with biodiesel-based fuels. **2021**, 47, 101416	37
804	Modelling of fermentative bioethanol production from indigenous Ulva prolifera biomass by Saccharomyces cerevisiae NFCCI1248 using an integrated ANN-GA approach. **2021**, 791, 148429	7
803	Mechanochemical co-crystallization: Insights and predictions. **2021**, 153, 107416	2
802	Impact of the learning rate and batch size on NOMA system using LSTM-based deep neural network. 154851292110497	1
801	Predicting the compressive strength of concrete containing metakaolin with different properties using ANN. **2021**, 183, 109790	24
800	A machine learning model for the prediction of down syndrome in second trimester antenatal screening. **2021**, 521, 206-211	4
799	Artificial intelligence application for the performance prediction of a clean energy community. **2021**, 232, 120999	17

798 | Artificial neural network for predicting nuclear power plant dynamic behaviors. **2021**, 53, 3275-3285 | 7

797 | Prediction of heat transfer enhancement of delta-wing tape inserts using artificial neural network. **2021**, 27, 101322 | 9

796 | Growth strategy determines the memory and structural properties of brain networks. **2021**, 142, 44-56 | 1

795 | A data-driven binary-classification framework for oil fingerprinting analysis. **2021**, 201, 111454 | 3

794 | What can artificial intelligence and machine learning tell us? A review of applications to equine biomechanical research. **2021**, 123, 104728 | 5

793 | Fuzzy Inference System Tree with Particle Swarm Optimization and Genetic Algorithm: A novel approach for PM10 forecasting. **2021**, 183, 115376 | 9

792 | RBF neural network modeling approach using PCA based LM-GA optimization for coke furnace system. **2021**, 111, 107691 | 3

791 | A review on emerging artificial intelligence (AI) techniques for air pollution forecasting: Fundamentals, application and performance. **2021**, 322, 129072 | 10

790 | Robust exponential stabilization of positive uncertain switched neural networks with actuator saturation and sensor faults. **2021**, 411, 126548 | 0

789 | CovH2SD: A COVID-19 detection approach based on Harris Hawks Optimization and stacked deep learning. **2021**, 186, 115805 | 6

788 | Investigating the effect of E30 fuel on long term vehicle performance, adaptability and economic feasibility. **2021**, 306, 121629 | 1

787 | Decision support system for adaptive sourcing and inventory management in small- and medium-sized enterprises. **2022**, 73, 102226 | 6

786 | Machine Learning Empowered Software Defect Prediction System. **2022**, 31, 1287-1300 | 2

785 | How Gamification Leads to Continued Usage of MOOCs? A Theoretical Perspective. **2021**, 9, 108144-108161 | 3

784 | Empirical Assessment of Machine Learning Techniques for Software Requirements Risk Prediction. **2021**, 10, 168 | 3

783 | Multiplexed supercell metasurface design and optimization with tandem residual networks. **2021**, 10, 1133-1143 | 14

782 | Online Measuring of Robot Positions Using Inertial Measurement Units, Sensor Fusion and Artificial Intelligence. **2021**, 9, 5678-5689 | 3

781 | Predicting the Effect of Fly Ash on Concrete's Mechanical Properties by ANN. **2021**, 13, 1469 | 18

780   Concept Drift Analysis by Dynamic Residual Projection for effectively Detecting Botnet Cyber-attacks in IoT scenarios. **2021**, 1-1   1

779   Machine learning in expert systems for disease diagnostics in human healthcare. **2021**, 179-200   5

778   Artificial neural network-based optimization of geothermal power plants. **2021**, 263-278

777   Intelligent Radio Signal Processing: A Survey. **2021**, 9, 83818-83850   18

776   . **2021**, 9, 60265-60279   2

775   A recurrent neural network using historical data to predict time series indoor PM2.5 concentrations for residential buildings. **2021**, 31, 1228-1237   5

774   A Scalable System-on-Chip Acceleration for Deep Neural Networks. **2021**, 9, 95412-95426   5

773   Urban Chaos and the AI Messiah. **2020**, 31-60   7

772   Artificial Neural Network Model for Steel Strip Tandem Cold Mill Power Prediction. **2020**, 29-42   1

771   Artificial neural networks applied to quality-by-design: From formulation development to clinical outcome. **2020**, 152, 282-295   13

770   Identification of nutrient deficiency in bean plants by prompt chlorophyll fluorescence measurements and Artificial Neural Networks.   2

769   Flexibility management and provision of balancing services with battery-electric automated guided vehicles in the Hamburg container terminal Altenwerder. **2020**, 3,   3

768   Predicting Performance of Briquette Made from Millet Bran: A Neural Network Approach. **2020**, 9, 1-13   6

767   Exploring Evolutionary Fitness in Biological Systems Using Machine Learning Methods. **2020**, 23,   2

766   Artificial Neural Network Algorithms for 3D Printing. **2020**, 14,   21

765   Mucin-like glycopolymer gels in electrosensory tissues generate cues which direct electrolocation in amphibians and neuronal activation in mammals. **2019**, 14, 1191-1195   9

764   Photogram Classification-Based Emotion Recognition. **2021**, 9, 136974-136984   2

763   Efficient Computation of Robustness of Convolutional Neural Networks. **2021**,   0

762 Off-Line Recognition System for Handwritten Arabic Words Using Artificial Intelligence. **2021**,

761 Smart Cities Mobility Monitoring through Automatic License Plate Recognition and Vehicle Discrimination. **2021**, 0

760 Common spatial pattern-based feature extraction and worm gear fault detection through vibration and acoustic measurements. **2022**, 187, 110366 4

759 Image processing techniques to estimate weight and morphological parameters for selected wheat refractions. **2021**, 11, 20953 0

758 Potential of artificial intelligence to accelerate diagnosis and drug discovery for COVID-19. **2021**, 9, e12073 1

757 Applying artificial neural network for early detection of sepsis with intentionally preserved highly missing real-world data for simulating clinical situation. **2021**, 21, 290 1

756 Predictive Model-based Analytics to Control Drying Process in a Sugar Industry. **2022**, 419-426

755 Using Neural Networks in Order to Analyze Telework Adaptability across the European Union Countries: A Case Study of the Most Relevant Scenarios to Occur in Romania. **2021**, 18, 2

754 Application of Al2O3/iron-based composite abrasives on MAF process for inner surface finishing of oval-shaped tube: predicting results of MAF process using artificial neural network model. **2021**, 15, 3268-3282[1]

753 An accurate fuzzy rule-based classification systems for heart disease diagnosis. **2021**, 14, e01019 0

752 Quality by design tools reducing the gap from bench to bedside for nanomedicine. **2021**, 169, 144-155 2

751 Aging detection of plant control system components using recurrent neural network. **2021**, 142, 104005

750 Non-parametric Performance Measurement with Artificial Neural Networks. **2020**, 309-335

749 Keras: The Best Machine Learning Process for Image Recognition and Classification. **2020**, 1071-1079

748 Positivity and Stability of Nonlinear Time-Delay Systems in Neural Networks. **2021**, 337-385 0

747 Forecast for Market Clearing Price with Artificial Neural Networks in Day Ahead Market.

746 Design of sensing system for experimental modeling of soft actuator applied for finger rehabilitation. 1-21 1

745 Solution and Parameter Identification of a Fixed-Bed Reactor Model for Catalytic CO2 Methanation Using Physics-Informed Neural Networks. **2021**, 11, 1304 3

744   A Critical Review on Electric Field-Assisted Membrane Processes: Implications for Fouling Control, Water Recovery, and Future Prospects. **2021**, 11,   1

743   Role of Deep Learning in Predicting Aging-Related Diseases: A Scoping Review. **2021**, 10,

742   Risk of bias assessment in preclinical literature using natural language processing. **2021**,   1

741   A Novel Approach for distributed denial of service defense using continuous wavelet transform and convolutional neural network for software-Defined network. **2021**, 112, 102524   4

740   Prediction of lattice constants for the full-Heusler alloys by vector regression model and artificial neural networks. **2021**, e00605

739   Application of Machine Learning to Gasoline Direct Injection Systems: Towards a Data-Driven Development. **2020**,   1

738   Comparison between Autoregression model and Gaussian Process model on stock price prediction: a case study with the Microsoft stock. **2020**,

737   Rapid COVID-19 Diagnosis Using Deep Learning of the Computerized Tomography Scans.   1

736   Brain Tumor Classification & Segmentation by Using Advanced DNN, CNN & ResNet-50 Neural Networks. **2020**, 14, 1011-1029

735   Modeling the Spread of COVID-19 by Leveraging Machine and Deep Learning Models. **2022**, 31, 1857-1872

734   Predictive modelling for solar power-driven hybrid desalination system using artificial neural network regression with Adam optimization. **2022**, 522, 115411   11

733   Effective prediction of soil organic matter by deep SVD concatenation using FT-NIR spectroscopy. **2022**, 215, 105223   0

732   Short-Term Load Forecasting for a Captive Power Plant Using Artificial Neural Network. **2022**, 12, 1-11

731   Deep Learning Techniques for Prediction, Detection, and Segmentation of Brain Tumors. **2020**, 118-154

730   A Review on Convolutional Neural Networks. **2020**, 445-452   1

729   Developing a futuristic multi-objective optimization of the fuel management problems for the nuclear research reactors. **2020**, 85, 26-37   2

728   Fully Autonomous UAV-Based Action Recognition System Using Aerial Imagery. **2020**, 276-290   1

727   Processes for Noise Reduction in Urban Port Fronts. **2020**, 29-39

726   Explorations of the Semantic Learning Machine Neuroevolution Algorithm: Dynamic Training Data Use, Ensemble Construction Methods, and Deep Learning Perspectives. **2020**, 39-62

725   Deep Learning for Image Processing and Reconstruction to Enhance LED-Based Photoacoustic Imaging. **2020**, 203-241

724   An Analysis of Transaction Handling in Bitcoin. **2021**,   1

723   Artificial Intelligence (AI) in Renewable Energy Systems: A Condensed Review of its Applications and Techniques. **2021**,   0

722   Artificial neural network prediction of microbiological quality of beef minced meat processed for fast-food meals. **2021**, 854, 012091

721   Machine learning techniques for mortality prediction in emergency departments: a systematic review. **2021**, 11, e052663   0

720   Recycling and modeling of chromium from sludge produced from magnetic flocculation treatment of chromium-containing wastewater. **2021**, 157, 20-20   4

719   Neural Network Architecture Selection Using Particle Swarm Optimization Technique. 1-20

718   Classification methods comparison for customer churn prediction in the telecommunication industry. **2021**, 8, 1-8   0

717   Clust-IT. **2020**,   0

716   A Neural Network approach for Non-parametric Performance Assessment. **2020**,

715   Shunt Active Power Filter based on Artificial Neural Networks for Grid-connected Photovoltaic system. **2020**,

714   Mathematical modelling evolutionarily stable behavior of zooplankton with state constraints.

713   Predicting the performance of a desulfurizing bio-filter using an artificial neural network (ANN) model. **2021**, 26, 200462-0   3

712   The Neural Modules Network with Collective Relearning for the Recognition of Diseases: Fault-Tolerant Structures and Reliability Assessment. **2020**, 14, 792-800   1

711   Forecasting Short-term Power Grid Load Based on Recurrent Neural Network. **2021**,

710   A Short-Term Load Demand Forecasting based on the Method of LSTM. **2021**,

709   Video-Based License Plate Recognition Using Single Shot Detector and Recurrent Neural Network. **2021**,

708 Aiming High versus Aiming All. **2021**, 167-179

707 A Review on Crop Yield prediction Using Machine Learning Methods. **2021**, 0

706 Prediction of Coating Adhesion on Laser-Cleaned Metal Surfaces of Battery Cells Using Hyperspectral Imaging and Machine Learning. **2021**, 11, 1388 0

705 A Review of Model Predictive Controls Applied to Advanced Driver-Assistance Systems. **2021**, 14, 7974 8

704 Prediction of Axial Compression Capacity of Cold-Formed Steel Oval Hollow Section Columns Using ANN and ANFIS Models. 1 0

703 Demodulation of EM Telemetry Data Using Fuzzy Wavelet Neural Network with Logistic Response. **2021**, 11, 10877 1

702 Machine learning applications to predict two-phase flow patterns.. **2021**, 7, e798 3

701 Process development for isolation of dietary eugenol from leaves of basil (Ocimum sanctum) in combination of optimization of process variables and modeling by artificial neural network. **2021**, 99, 100280 1

700 Future Contribution of Artificial Vision in Methodologies for the Development of Applications That Allow for Identifying Optimal Harvest Times of Medicinal Cannabis Inflorescences in Colombia. **2022**, 193-220

699 Demand side maximum loading limit ranking based on composite index using ANN. 1

698 Evaluating the behaviour of centrally perforated unreinforced masonry walls: Applications of numerical analysis, machine learning, and stochastic methods. **2021**, 13, 101631-101631 6

697 Deep Learning Approaches to Automated Video Classification of Upper Limb Tension Test. **2021**, 9, 0

696 Neural Decoding of EEG Signals with Machine Learning: A Systematic Review. **2021**, 11, 17

695 Classification of Date Fruits into Genetic Varieties Using Image Analysis. **2021**, 2021, 1-13 6

694 Prediction of Mining Conditions in Geotechnically Complex Sites. **2021**, 1, 279-296 2

693 Metaheuristic Approaches Integrated with ANN in Forecasting Daily Emergency Department Visits. **2021**, 2021, 1-14

692 Life cycle assessment of the co-combustion system of single-use plastic waste and lignite coal to promote circular economy. **2021**, 329, 129579 1

691 Diverging Mobile Technology⎯ Cognitive Techniques into Tackling Malaria in Sub-Saharan Africa: A Review. **2021**, 679-699 0

| 690 | Adaptive Neural Network Output Feedback Control of Uncertain Underactuated Systems With Actuated and Unactuated State Constraints. **2021**, 1-17 | 5 |

| 689 | Implicit Neural Network for Implicit Data Regression Problems. **2021**, 187-195 | |

| 688 | ConvFusion: A Model for Layer Fusion in Convolutional Neural Networks. **2021**, 9, 168245-168267 | 0 |

| 687 | VERSA: Verifiable Secure Aggregation for Cross-Device Federated Learning. **2021**, 1-1 | 3 |

| 686 | Three-dimensional geotechnical-layer mapping in Seoul using borehole database and deep neural network-based model. **2022**, 297, 106489 | 1 |

| 685 | Artificial intelligence for hurricane storm surge hazard assessment. **2022**, 245, 110435 | 1 |

| 684 | Learning-based restoration sequence ordering for multi-site traffic signal failure. **2022**, 135, 103522 | |

| 683 | Genetic algorithm (GA) - Artificial neural network (ANN) modeling for the emission rates of toxic volatile organic compounds (VOCs) emitted from landfill working surface.. **2022**, 305, 114433 | 3 |

| 682 | Combustion and pyrolysis kinetics of Australian lignite coal and validation by artificial neural networks. **2022**, 242, 122949 | 0 |

| 681 | The modeling and products prediction for biomass oxidative pyrolysis based on PSO-ANN method: An artificial intelligence algorithm approach. **2022**, 312, 122966 | 2 |

| 680 | A comparison of machine learning- and regression-based models for predicting ductility ratio of RC beam-column joints. **2022**, 37, 69-81 | 2 |

| 679 | NoAS-DS: Neural optimal architecture search for detection of diverse DNA signals.. **2021**, 147, 63-71 | 1 |

| 678 | Universal workflow of artificial intelligence for energy saving. **2022**, 8, 1602-1633 | 4 |

| 677 | Towards real-time and real-life image classification and detection using CNN: a review of practical applications requirements, algorithms, hardware and current trends. **2020**, | 0 |

| 676 | Neural Network with Adaptive Learning Rate. **2020**, | 1 |

| 675 | An Optimized Neural Network with Inertia Weight Variation of PSO for the detection of Autism. **2020**, | |

| 674 | Electric Vehicle User Behavior Prediction using Learning-based Approaches. **2020**, | 2 |

| 673 | Rapid COVID-19 Diagnosis Using Deep Learning of the Computerized Tomography Scans. **2020**, | 5 |

672 Reservoir properties estimation from 3D seismic data in the Alose field using artificial intelligence. **2021**, 11, 1275-1287

671 ANN Based Fault Detection & Classification in Power System Transmission line. **2021**,   2

670 Survey on Hybrid Techniques in The Classification of Nutrient Deficiency Levels in Citrus Leaves. **2021**,   0

669 Artificial Intelligence Forecasting for Transmission Line Ampacity. **2022**, 217-234

668 Evaluating Resilience of Encrypted Traffic Classification against Adversarial Evasion Attacks. **2021**,   0

667 A Self-Adaptive and Multiple Activation Function Neural Network for Facial Expression Recognition. **2021**,

666 FAUST: Fast Per-Scene Encoding Using Entropy-Based Scene Detection and Machine Learning. **2021** ,   0

665 Prediction of flood using optimized neural network with Gray wolf algorithm (Maroon River case study). **2021**, 15, 41-53

664 A Machine Learning-Based Model for Predicting Atmospheric Corrosion Rate of Carbon Steel. **2021**, 2021, 1-25   1

663 Modelling river flow in cold and ungauged regions: a review of the purposes, methods, and challenges. 1-15   2

662 Time Series Data Analysis Using Deep Learning Methods for Smart Cities Monitoring. **2022**, 93-116   1

661 Prediction and optimization of the design decisions of liquid cooling systems of battery modules using artificial neural networks.   1

660 E-mail Spam Classification Using Grasshopper Optimization Algorithm and Neural Networks. **2022**, 71, 4749-4766   3

659 Deep Learning based Tomato Ripe and Unripe Classification System. **2022**, 10, 0-0   0

658 Application of Deep Neural Network to Predict the High-Cycle Fatigue Life of AISI 1045 Steel Coated by Industrial Coatings. **2022**, 10, 128   2

657 Controllability of Brain Neural Networks in Learning Disorders A Geometric Approach. **2022**, 10, 331   1

656 Design of Unscented Kalman Filter with Gated Recurrent Units-based Battery Model for SOC Estimation. **2022**, 30, 61-68   0

655 Fatigue modeling using neural networks: A comprehensive review.   10

| 654 | Intelligent Traffic-Monitoring System Based on YOLO and Convolutional Fuzzy Neural Networks. **2022**, 10, 14120-14133 | 3 |

| 653 | Real-Time Leakage Current Classification of 15kV and 25kV Distribution Insulators Based on Bidirectional Long Short-Term Memory Networks With Deep Learning Machine. **2022**, 10, 7128-7140 | 2 |

| 652 | Tensors for neuroimaging. **2022**, 427-482 | 0 |

| 651 | Deep learning and Internet of Things for tourist attraction recommendations in smart cities. 1 | 4 |

| 650 | An algorithm for unsupervised partitioning of geoscientific datasets using flexible similarity metrics. | |

| 649 | An Ultra-Low Power Threshold Voltage Variable Artificial Retina Neuron. **2022**, 11, 365 | |

| 648 | Prediction of Heart Attacks Using Biological Signals Based on Recurrent GMDH Neural Network. **2022**, 54, 987 | 0 |

| 647 | Intelligent Sound Monitoring and Identification System Combining Triboelectric Nanogenerator-Based Self-Powered Sensor with Deep Learning Technique. 2112155 | 3 |

| 646 | Parking Availability Prediction with Coarse-Grained Human Mobility Data. **2022**, 71, 4355-4375 | |

| 645 | Identification of nutrient deficiency in plants by artificial intelligence. **2022**, 44, 1 | 1 |

| 644 | Forecasting Day-Ahead Electricity Metrics with Artificial Neural Networks.. **2022**, 22, | 4 |

| 643 | Regression Model-Based AMS Circuit Optimization Technique Utilizing Parameterized Operating Condition. **2022**, 11, 408 | 0 |

| 642 | Research on the Feasibility of Applying GRU and Attention Mechanism Combined with Technical Indicators in Stock Trading Strategies. **2022**, 12, 1007 | 2 |

| 641 | Modelling Residential House Pricing Using Regression Analysis. **2022**, 321-331 | |

| 640 | Advances in Computational Intelligence of Polymer Composite Materials: Machine Learning Assisted Modeling, Analysis and Design. 1 | 7 |

| 639 | Optimization of a vertical axis wind turbine with a deflector under unsteady wind conditions via Taguchi and neural network applications. **2022**, 254, 115209 | 3 |

| 638 | Beam Damage Assessment Using Natural Frequency Shift and Machine Learning.. **2022**, 22, | 1 |

| 637 | Automatic learning styles prediction: a survey of the State-of-the-Art (2006❨2021). | 3 |

636 Thermal analysis and prediction on upgraded Tracker Thermal Pump System of Alpha Magnetic Spectrometer with the artificial neural network model. **2022**, 1027, 166277

635 Distributed model predictive control of buildings and energy hubs. **2022**, 259, 111806 | 1

634 Development of QSAR-based (MLR/ANN) predictive models for effective design of pyridazine corrosion inhibitors. **2022**, 30, 103163 | 3

633 Monitoring the propagation of mechanical discontinuity using data-driven causal discovery and supervised learning. **2022**, 170, 108791 | 0

632 Toward Sustainable Water: Prediction of non-revenue water via Artificial Neural Network and Multiple Linear Regression modelling approach in Egypt. **2022**, 13, 101673 | 2

631 Human In-hand Motion Recognition Based on Multi-modal Perception Information Fusion. **2022**, 1-1 | 4

630 A Novel Approach for Handwritten Digit Recognition Using Multilayer Perceptron Neural Network. **2022**, 233-244

629 How Artificial Intelligence and Machine Learning Is Assisting Us to Extract Meaning from Data on Bone Mechanics?. **2022**, 1356, 195-221 | 0

628 Smart sensing technologies for wastewater treatment plants. **2022**, 1-17

627 Machine learning approach for delamination detection with feature missing and noise polluted vibration characteristics. **2022**, 287, 115335 | 0

626 A novel machine learning algorithm for interval systems approximation based on artificial neural network. 1 | 0

625 Artificial Neural Network Detects Hip Muscle Forces as Determinant for Harmonic Walking in People after Stroke.. **2022**, 22, | 2

624 Artificial intelligence algorithms to´predict Italian real estate market prices. **2021**, ahead-of-print, | 1

623 Application of Artificial Neural Networks in the Urban Building Energy Modelling of Polish Residential Building Stock. **2021**, 14, 8285 | 2

622 An Autoencoder-Enhanced Stacking Neural Network Model for Increasing the Performance of Intrusion Detection. **2021**, 12, 149-163 | 3

621 Predicting Sepsis Mortality in a Population-Based National Database: Machine Learning Approach.. **2022**, 24, e29982 | 0

620 AIS-Based Intelligent Vessel Trajectory Prediction Using Bi-LSTM. **2022**, 10, 24302-24315 | 0

619 Deep Learning-Based Non-orthogonal Multiple Access for 5G and Beyond Networks. **2022**, 39-52

618   Introduction to Battery Full-Lifespan Management. **2022**, 1-25   0

617   Diverging Hybrid and Deep Learning Models into Predicting Students Performance in Smart
       Learning Environments A Review. **2022**, 182-202   4

616   Toward Delicate Anomaly Detection of Energy Consumption for Buildings: Enhance the
       Performance From Two Levels. **2022**, 10, 31649-31659

615   The Application of Artificial Intelligence to Nuclear Power Plant Safety. **2022**, 117-127

614   Neural network model for biological waste management systems. **2022**, 393-415

613   RECENT DEVELOPMENTS OF ARTIFICIAL INTELLIGENCE FOR BANANA: APPLICATION AREAS,
       LEARNING ALGORITHMS, AND FUTURE CHALLENGES. **2022**, 42,

612   Machine Learning for Business Analytics: Case Studies and Open Research Problems. **2022**, 1-26

611   FireNN: Neural Networks Reliability Evaluation on Hybrid Platforms. **2022**, 1-1   1

610   Joint User Association and Resource Allocation for Wireless Hierarchical Federated Learning with
       IID and Non-IID Data. **2022**, 1-1   3

609   Graph embeddings in criminal investigation: towards combining precision, generalization and
       transparency. 1   0

608   Evolutionary multi-objective optimization of artificial neural network for classification of autism
       spectrum disorder screening. 1   1

607   Data-Driven Models for Forecasting Failure Modes in Oil and Gas Pipes. **2022**, 10, 400   2

606   A novel self-organizing TS fuzzy neural network for furnace temperature prediction in MSWI
       process. 1   0

605   Improvement in shop floor management using ANN coupled with VSM: A case study. 095440622110620   3

604   Study on Resistant Hierarchical Fuzzy Neural Networks. **2022**, 11, 598

603   An Artificial Neural Network Model Based on Experimental Measurements for Estimating the
       Grounding Resistance.

602   RL based hyper-parameters optimization algorithm (ROA) for convolutional neural network. 1   2

601   Optimized Convolutional Neural Network-Based Capacity Expansion Framework for Electric Vehicle
       Charging Station. **2022**, 2022, 1-21   2

600	A Hybrid Neural Network Model for ENSO Prediction in Combination with Principal Oscillation Pattern Analyses. **2022**, 39, 889-902	3
599	Uncertainty quantification in the cerebral circulation simulation focusing on the collateral flow: Surrogate model approach with machine learning.	
598	Integrating neural networks in least-squares inversion of airborne time-domain electromagnetic data. 1-54	0
597	Machine learning for technical skill assessment in surgery: a systematic review.. **2022**, 5, 24	4
596	Predicting mechanical ventilation effects on six human tissue transcriptomes.. **2022**, 17, e0264919	0
595	A novel offline handwritten text recognition technique to convert ruled-line text into digital text through deep neural networks. 1	0
594	Prediction of Rainfall in Australia Using Machine Learning. **2022**, 13, 163	1
593	Inverse modeling of cancellous bone using artificial neural networks.	
592	Prediction Model of Photovoltaic Power in Solar Pumping Systems Based on Artificial Intelligence. **2022**, 12, 693	3
591	Modeling and Predicting Heavy-Duty Vehicle Engine-Out and Tailpipe Nitrogen Oxide ( ) Emissions Using Deep Learning.. **2022**, 8,	0
590	Artificial intelligence in obstetrics.. **2021**,	0
589	Clustered and deep echo state networks for signal noise reduction. 1	0
588	Optimal Location of Water Quality Monitoring Stations Using an Artificial Neural Network Modeling in the Qarah-Chay River Basin, Iran. **2022**, 14, 870	1
587	Vibration frequencies of meta-material plates based on the numerical calibration of shape factor for various cell patterns. 1-19	
586	An Application of Machine Learning Techniques to Analyze Patient Information to Improve Oral Health Outcomes. 3,	0
585	Diagnosis of COVID-19 using chest X-ray images based on modified DarkCovidNet model.. **2022**, 1-10	0
584	Natural Melanin: Current Trends, and Future Approaches, with Especial Reference to Microbial Source.. **2022**, 14,	2
583	Neuromorphic photonic circuit modeling in Verilog-A. **2022**, 7, 046103	0

582	When machine learning meets fractional-order chaotic signals: detecting dynamical variations. **2022**, 157, 111908	0
581	Discovery and prediction capabilities in metal-based nanomaterials: An overview of the application of machine learning techniques and some recent advances. **2022**, 52, 101593	0
580	Artificial neural network in diagnostic cytology.. **2022**, 19, 27	1
579	Control and Autonomy of Microrobots: Recent Progress and Perspective. 2100279	7
578	Deep learning tools for advancing drug discovery and development.. **2022**, 12, 110	2
577	Electricity price forecasting on the day-ahead market using machine learning. **2022**, 313, 118752	7
576	Chemometric approach in environmental pollution analysis: A critical review.. **2022**, 309, 114653	0
575	ME-ACP: Multi-view neural networks with ensemble model for identification of anticancer peptides.. **2022**, 145, 105459	1
574	Detection method of various types of auto lamps based on improved Faster R-CNN model. **2021**,	
573	PREDICTION OF HIGH CYCLE TIMES IN WHEEL RIM MOLDING WITH ARTIFICIAL NEURAL NETWORKS.	
572	Computationally Light Algorithms for Tactile Sensing Signals Elaboration and Classification. **2021**,	2
571	An Automated Flow for Configuration and Generation of CNN based AI accelerators for HW Emulation & FPGA Prototyping. **2021**,	
570	Identifying Legal Party Members from Legal Opinion Documents using Natural Language Processing. **2021**,	
569	Enhancement of Healthcare Data Performance Metrics using Neural Network Machine Learning Algorithms. **2021**,	0
568	Preliminary Evaluation for Multi-domain Spike Coding on Memcapacitive Neuromorphic Circuit. **2021**,	
567	Improving the Performance of Automated Optical Inspection (AOI) Using Machine Learning Classifiers. **2021**,	0
566	Machine Learning and Urban Drainage Systems: State-of-the-Art Review. **2021**, 13, 3545	3
565	Entropy Optimized Second Grade Fluid with MHD and Marangoni Convection Impacts: An Intelligent Neuro-Computing Paradigm. **2021**, 11, 1492	9

564   Arctic Ice Thickness Prediction using Artificial Neural Networks. **2021**,

563   Identifying Learning Standards of Artificial Neural Networks: A Study. **2022**, 225-239

562   Impacts of Future Sea-Level Rise under Global Warming Assessed from Tide Gauge Records: A Case Study of the East Coast Economic Region of Peninsular Malaysia. **2021**, 10, 1382   3

561   Performance Tests to Modeling Future Climate Vegetation Interactions in Virtual World: an Option for Application of Remote Sensed and Statistical Systems. **2021**, 18, 178-189   1

560   Short Term Load Forecasting for CPP Using ANN. **2022**, 391-408

559   Supervised Methods for Biomarker Detection from Microarray Experiments.. **2022**, 2401, 101-120

558   Combining Measures of Signal Complexity and Machine Learning for Time Series Analyis: A Review.. **2021**, 23,   0

557   Collaborative optimization design of process parameter and structural topology for laser additive manufacturing. **2021**,   1

556   PrunedCaps: A Case For Primary Capsules Discrimination. **2021**,

555   Comparison of Multivariable Logistic Regression and Machine Learning Models for Predicting Bronchopulmonary Dysplasia or Death in Very Preterm Infants.. **2021**, 9, 759776   0

554   Hydropower production prediction using artificial neural networks: an Ecuadorian application case. 1   0

553   Catch Weight Prediction for Multi-Species Fishing using Artificial Neural Networks. **2021**,   0

552   A Neoteric Technique Using ARIMA-LSTM for Time Series Analysis on Stock Market Forecasting. **2022**, 381-392   0

551   Experimental study and modeling the tensile strength of 3D-printed aluminium polylactic acid (PLA) parts using artificial neural networks. 10, 1286

550   Detection of Malignancy in Mammogram by Modified Convolution Neural Network. **2021**,

549   Legitimacy: An Ensemble Learning Model for Credibility Based Fake News Detection. **2021**,   1

548   Predicting Sepsis Mortality in a Population-Based National Database: Machine Learning Approach (Preprint).

547   Design and Implementation of a Defect Identification Using Image Processing Technique. **2022**, 734-751

546   Supervised learning for analysing movement patterns in a virtual reality experiment. **2022**, 9,   1

545   Deep learning algorithm to evaluate cervical spondylotic myelopathy using lateral cervical spine radiograph.. **2022**, 22, 147   0

544   Machine Learning-Based Prediction Model of Preterm Birth Using Electronic Health Record.. **2022**, 2022, 9635526   1

543   Prediction of Aerosol Extinction Coefficient in Coastal Areas of South China Based on Attention-BiLSTM. **2022**, 10, 545

542   Stock Portfolio Management in the Presence of Downtrends Using Computational Intelligence. **2022**, 12, 4067   0

541   Multiparameter Neural Network Modeling of Facilitated Transport Mixed Matrix Membranes for Carbon Dioxide Removal.. **2022**, 12,   1

540   Progress of artificial neural networks applications in hydrogen production. **2022**, 182, 66-86   3

539   FUAS: An uncertainty and sensitivity analysis toolkit for fuel rod performance code. **2022**, 173, 109140

538   Image_1.png. **2020**,

537   Table_1.docx. **2020**,

536   Data-Driven Materials Innovation and Applications.. **2022**, e2104113   2

535   Artificial neural networks for the prediction of biochar yield: A comparative study of metaheuristic algorithms.. **2022**, 127215   1

534   Building an Enterprise Data Lake for Educational Organizations for Prediction Analytics Using Deep Learning. **2022**, 65-81

533   Automated Triaging Medical Referral for Otorhinolaryngology Using Data Mining and Machine Learning Techniques. **2022**, 10, 44531-44548   2

532   All-optical Recurrent Neural Network with Reconfigurable Activation Function. **2022**, 1-1   0

531   Performance Interpretation of Supervised Artificial Neural Network Highlighting Role of Weight and Bias for Link Prediction. **2022**, 109-119

530   Machine Learning Approach Based on the Finite Element Method to Predict Reaction Forces. **2022**, 337-346

529   A Comparative Analysis for Measuring Accuracy in Recognizing Hand Gestures using Feedforward Neural Network and CNN Method. **2022**,

510	Automation in competitive removal of toxic metal ions by fired and non-fired beads. **2022**, 10, 107828	
509	Multi-agent deep reinforcement learning for efficient multi-timescale bidding of a hybrid power plant in day-ahead and real-time markets. **2022**, 317, 119067	0
508	Predicting non-uniform indoor air quality distribution by using pulsating air supply and SVM model. **2022**, 219, 109171	0
507	Machine Learning Techniques to Determine Mutation Impact in Proteins Associated to Neurofibromatosis. **2021**,	
506	Artificial Intelligence in Wastewater Treatment Systems in the Era of Industry 4.0: A Holistic Review. **2022**, 45-85	0
505	Artificial Intelligence in Pollution Control and Management: Status and Future Prospects. **2022**, 23-43	0
504	Prediction and Optimization of the Design and Process Parameters of a Hybrid DED Product Using Artificial Intelligence. **2022**, 12, 5027	0
503	IGZO synaptic thin-film transistors with embedded AlOx charge-trapping layers.	0
502	Early diagnosis of Alzheimer's disease based on deep learning: A systematic review. **2022**, 105634	2
501	Robust, Effective and Resource Efficient Deep Neural Network for Intrusion Detection in IoT Networks. **2022**,	1
500	Three-body problem From Newton to supercomputer plus machine learning. **2022**, 101850	0
499	Statistical approaches and artificial neural networks for process monitoring. **2022**,	0
498	A Hybrid Neural Network-based Approach for Forecasting Water Demand. **2022**, 73, 1365-1383	
497	A Methodology for Predictive Life Expectancy of Moisture-Sensitive SMT components using Neural Networks. **2022**, 107, 1373-1378	
496	Semantic Segmentation-Based Adaptive Mining Algorithm for Ceramic Cultural Resource Data. **2022**, 2022, 1-9	
495	Performance analysis of stirling engine using computational intelligence techniques (ANN & Fuzzy Mamdani Model) and hybrid algorithms (ANN-PSO & ANFIS).	0
494	A Review of Arthritis Diagnosis Techniques in Artificial Intelligence Era: Current Trends and Research Challenges. **2022**, 100079	0
493	Optimal Artificial Neural Network Architecture Design for Modeling an Industrial Ethylene Oxide Plant. **2022**, 107850	0

492	Machine-learning-assisted spontaneous Raman spectroscopy classification and feature extraction for the diagnosis of human laryngeal cancer. **2022**, 146, 105617	0
491	Historical Developments on Computer Applications in Pharmaceutics. **2022**, 39-72	1
490	Predicting Center of Pressure Velocity Based on Regional Plantar Force in Elderly Men Using Artificial Neural Networks. **2022**,	
489	Creating Quality-Based Smart Sustainable Public Parking Enterprises: A Methodology to Reframe Organizations into Smart Organizations. **2022**, 14, 6641	0
488	Development of convolutional neural network model for diagnosing meniscus tear using magnetic resonance image. **2022**, 23,	2
487	Probabilistic methods and neural networks in structural engineering.	2
486	Intelligent Approach for Gas-Oil Separation Plant Oil Recovery Enhancement. **2022**, 1-22	
485	Wind turbine load estimation using machine learning and transfer learning. **2022**, 2265, 032108	
484	Information Fragmentation, Encryption and Information Flow in Complex Biological Networks. **2022**, 24, 735	0
483	Evaluation of COVID-19 Reported Statistical Data Using Cooperative Convolutional Neural Network Model (CCNN). **2022**, 2, 674-690	
482	Analysis of Human Information Recognition Model in Sports Based on Radial Basis Fuzzy Neural Network. **2022**, 2022, 1-8	
481	Utilization of Random Forest and Deep Learning Neural Network for Predicting Factors Affecting Perceived Usability of a COVID-19 Contact Tracing Mobile Application in Thailand ThaiChana **2022**, 19, 6111	2
480	Developments in Quantitative Assessment and Modeling of Mineral Resource Potential: An Overview.	0
479	Cultural Creativity, Industrial Scale, Management Methods, and Their Roles in Rural Revitalization from the Perspective of Big Data. **2022**, 2022, 1-10	
478	Synaptic Current Response of a Liquid Ga Electrode via a Surface Electrochemical Redox Reaction in a NaOH Solution.	1
477	In Silico Prediction of Chemical Aquatic Toxicity by Multiple Machine Learning and Deep Learning Approaches.	
476	Automated assessment of balance rehabilitation exercises: A data-driven scoring model (Preprint).	
475	Robustness assessment and improvement of a neural network for blood oxygen pressure estimation. **2022**,	

474   Analysis of Artificial Neural Network Based Algorithms For Real Time Dispatching. **2022**,

473   A neural network-based approach for prediction of PGA and significant duration parameters in the Uttarakhand region of India. **2022**, 81,

472   Estimation of the convolutional neural network with attention mechanism and transfer learning on wood knot defect classification. **2022**, 131, 233101   o

471   A Statistical and Self-Organizing Maps (SOM) Comparative Study on the Wear and Performance of MgO-C Resin Bonded Refractories Used on the Slag Line of Ladles of a Basic Oxygen Steelmaking Plant.

470   A Novel Hyperspectral Method to Detect Moldy Core in Apple Fruits. **2022**, 22, 4479

469   Gravitational wave signal recognition and ring-down time estimation via Artificial Neural Networks. **2022**, 117931

468   Edge artificial intelligence camera network: an efficient object detection and tracking framework. **2022**, 31,

467   Generative Adversarial Neural Networks for Denoising Coherent Multidimensional Spectra. **2022**, 126, 3816-3825   o

466   An Experimental Study on Speech Enhancement Based on a Combination of Wavelets and Deep Learning. **2022**, 10, 102   o

465   Predicting Employee Attrition Using Machine Learning Approaches. **2022**, 12, 6424   1

464   Privacy-Preserving and Explainable AI in Industrial Applications. **2022**, 12, 6395

463   Node co-activations as a means of error detection owards fault-tolerant neural networks. **2022**, 15, 100201   1

462   A turnaround control system to automatically detect and monitor the time stamps of ground service actions in airports: A deep learning and computer vision based approach. **2022**, 114, 105032   1

461   ECG Signal Reconstruction Using FMCW Radar and a Convolutional Neural Network for Contactless Vital-sign Sensing. **2022**,

460   Analysis of efficiency factors of companies in Serbia based on artificial neural networks. **2022**, 97-115   o

459   Reconfigurable Hardware Design Approach for Economic Neural Network. **2022**, 1-1   2

458   Sensor data analysis. **2022**, 65-85

457   Integration of CNN in a Dynamic Model-Based Controller for Control of a 2DOF Helicopter with Tail Rotor Perturbations. **2022**, 1-1

438	On Hourly Forecasting Heating Energy Consumption of HVAC with Recurrent Neural Networks. **2022**, 15, 5084	
437	An Overview and Experimental Study of Learning-Based Optimization Algorithms for the Vehicle Routing Problem. **2022**, 9, 1115-1138	2
436	Predicting the Properties of High-Performance Epoxy Resin by Machine Learning Using Molecular Dynamics Simulations. **2022**, 12, 2353	0
435	Deep Hybrid Learning Framework for Spatiotemporal Crash Prediction Using Big Traffic Data. **2022**,	
434	A Predictive Analytics Framework for Mobile Crane Configuration Selection in Heavy Industrial Construction Projects. **2022**, 12, 960	1
433	Quality Prediction and Abnormal Processing Parameter Identification in Polypropylene Fiber Melt Spinning Using Artificial Intelligence Machine Learning and Deep Learning Algorithms. **2022**, 14, 2739	0
432	Multi-objective optimization of hydrocyclone by combining mechanistic and data-driven models. **2022**, 407, 117674	0
431	Detection of Forced Change Within Combined Climate Fields Using Explainable Neural Networks. **2022**, 14,	0
430	An Improved VGG Model for Skin Cancer Detection.	1
429	The relationship between agritourism and social capital in Italian regions. **2022**, 94, 218-226	1
428	Combining polarized light microscopy with machine learning to map crystallographic textures on cubic metals. **2022**, 190, 112082	0
427	Database examination, multivariate analysis, and machine learning: Predictions of vapor intrusion attenuation factors. **2022**, 242, 113874	0
426	Genetic Algorithm Supported by Influence Lines and a Neural Network for Bridge Health Monitoring. **2022**, 148,	3
425	A DDoS attack detection and countermeasure scheme based on DWT and auto-encoder neural network for SDN. **2022**, 214, 109140	1
424	COVID-19 contagion forecasting framework based on curve decomposition and evolutionary artificial neural networks: A case study in Andalusia, Spain. **2022**, 207, 117977	0
423	A Neural-network-based Inverse Design of the Microwave Photonic Filter Using Multiwavelength Laser. **2022**, 523, 128729	
422	Formulation of precise short neural network code. **2021**,	
421	A REVIEW OF GROUP CONTRIBUTION MODELS TO CALCULATE THERMODYNAMIC PROPERTIES OF IONIC LIQUIDS FOR PROCESS SYSTEMS ENGINEERING. **2022**,	

420	Uncertainty quantification in cerebral circulation simulations focusing on the collateral flow: Surrogate model approach with machine learning. **2022**, 18, e1009996	
419	Machine learning for microalgae detection and utilization. 9,	
418	Data augmentation based estimation for the censored composite quantile regression neural network model. **2022**, 109381	0
417	We got nuts! use deep neural networks to classify images of common edible nuts. 026010602211139	0
416	Forecasting Heterogeneous Municipal Solid Waste Generation via Bayesian-Optimised Neural Network with Ensemble Learning for Improved Generalisation. **2022**, 107946	0
415	A Review of Proxy Modeling Highlighting Applications for Reservoir Engineering. **2022**, 15, 5247	1
414	Intelligent Load Balancing Algorithms for Internet of Things - A Review.. **2022**, 12,	
413	Review on Soft Computing in Data Analysis. **2022**, 4, 107-114	0
412	Application of different models to evaluate the key factors of fluidized bed layering granulation and their influence on granule characteristics. **2022**, 408, 117737	1
411	Voids indentification by isogeometric boundary element and neural network algorithms. **2022**, 231, 107538	0
410	Modeling and Control of Priority Queueing in Software Defined Networks via Machine Learning. **2022**, 1-1	0
409	An Inventory System Utilizing Neural Network in The Prediction of Machine Learning Techniques. **2022**,	
408	Analysis of Innovative Product Experience Based on Logistic Regression with Data Augmentation. **2022**,	
407	Machine Learning Models to Detect COVID-19: An Overview. **2022**,	
406	A Deeper Look into Aleatoric and Epistemic Uncertainty Disentanglement. **2022**,	0
405	Artificial Intelligence-Based Approaches for Product Recommendation in E-Commerce. **2022**, 53-70	
404	Neural Network-Based Signal Translation with Application to the ECG. **2022**,	
403	MSTRIQ: No Reference Image Quality Assessment Based on Swin Transformer with Multi-Stage Fusion. **2022**,	2

| 402 | An Orchestration Perspective on Open Innovation between Industry University: Investigating Its Impact on Collaboration Performance. **2022**, 10, 2672 | 1 |

| 401 | IoT Adoption and Application for Smart Healthcare: A Systematic Review. **2022**, 22, 5377 | 7 |

| 400 | Intelligent Model for Power Cells State of Charge Forecasting in EV. **2022**, 10, 1406 | 0 |

| 399 | Validation and Uncertainty Quantification of Transient Reflood Models Using COBRA-TF and Machine Learning Techniques Based on the NRC/PSU RBHT Benchmark. 1-20 | |

| 398 | Grinded Surface Roughness Prediction Using Data-Driven Models with Contact Force Information. **2022**, | 1 |

| 397 | Determining the effective factors in predicting diet adherence using an intelligent model. **2022**, 12, | |

| 396 | Computational Intelligence Paradigms in Radiological Image Processing Recent Trends and Challenges. **2022**, 99-124 | |

| 395 | Transparency as a Predictor of Loyalty in the Banking Sector: A SEM-ANN Approach. 231971452211133 | |

| 394 | (LISACMT) Language Identification and Sentiment analysis of English-Urdu Code-mixed Text using LSTM. **2022**, | |

| 393 | Design and Optimization of Aesthetic Education Teaching Information Platform Based on Big Data Analysis. **2022**, 2022, 1-9 | |

| 392 | A Metaheuristics-Based Inputs Selection and Training Set Formation Method for Load Forecasting. **2022**, 14, 1733 | 0 |

| 391 | Proxemic behavior in navigation tasks using reinforcement learning. | 0 |

| 390 | Mobile Augmented Reality: User Interfaces, Frameworks, and Intelligence. | 0 |

| 389 | Predicting protection capacities of pyrimidine-based corrosion inhibitors for mild steel/HCl interface using linear and nonlinear QSPR models. **2022**, 28, | |

| 388 | Privacy leakage of LoRaWAN smart parking occupancy sensors. **2022**, | 0 |

| 387 | Prediction of arabica coffee production using artificial neural network and multiple linear regression techniques. **2022**, 12, | 1 |

| 386 | Predicting Frost Depth of Soils in South Korea Using Machine Learning Techniques. **2022**, 14, 9767 | 1 |

| 385 | Ontology Reuse: Neural Network-Based Measurement of Concepts Representations and Similarities in Ontology Corpus. **2022**, | |

384	Optimization design for circular multi-cell thin-walled tubes with discrete and continuous design variables. 1-15	0
383	Improving Monthly Rainfall Forecast in a Watershed by Combining Neural Networks and Autoregressive Models. **2022**, 9,	0
382	Machine learning-based solution for thermo-mechanical analysis of MMIC packaging.	
381	Study of Integration of Neural Networks with Other Existing or Developing Technologies: A Review. 254-260	
380	Applications of Neural Networks in Liver Transplantation. **2022**,	
379	A Machine Learning Approach to Improve Ranging Accuracy with AoA and RSSI. **2022**, 22, 6404	0
378	Environmental Risk Assessment and Management in Industry 4.0: A Review of Technologies and Trends. **2022**, 10, 702	0
377	Deep Learning for Text Mining. **2022**, 191-248	
376	Gas Turbine Model Parameter Classification During Abnormal Operation Using Support Vector Machine For Maintenance. **2022**, 2319, 012004	
375	Modeling biosurfactant production from agroindustrial residues by neural networks and polynomial models adjusted by particle swarm optimization.	
374	A survey of uncover misleading and cyberbullying on social media for public health.	0
373	A comparative analysis of amino acid encoding schemes for the prediction of flexible length linear B-cell epitopes.	
372	UVVisible Absorption Spectra of Solvated Molecules by Quantum Chemical Machine Learning. **2022**, 18, 4891-4902	1
371	Enhancing Warning, Situational Awareness, Assessment and Education in Managing Emergency: Case Study of COVID-19. **2022**, 3,	0
370	Analysis and improvements on feature selection methods based on artificial neural network weights. **2022**, 127, 109395	0
369	Machine Learning, Deep Learning and Statistical Analysis for forecasting building energy consumption A systematic review. **2022**, 115, 105287	3
368	Mechanical properties prediction of composite laminate with FEA and machine learning coupled method. **2022**, 299, 116086	2
367	LSTM-SDM: An integrated framework of LSTM implementation for sequential data modeling. **2022**, 14, 100396	

366	Multilayer perceptron neural network-based QSAR models for the assessment and prediction of corrosion inhibition performances of ionic liquids. **2022**, 214, 111753	1
365	Automated identification of astronauts on board the International Space Station: A case study in space archaeology. **2022**, 200, 262-269	
364	Prediction of optimum operating conditions of a furnace under uncertainty: An integrated framework of artificial neural network and genetic algorithm. **2022**, 330, 125563	0
363	Improving Real Estate Rental Estimations with Visual Data. **2022**, 6, 96	0
362	Intelligent control of the electrochemical nitrate removal basing on artificial neural network (ANN). **2022**, 49, 103122	0
361	Robust frequencyMoltage stabilization scheme for multi-area power systems incorporated with EVs and renewable generations using AI based modified disturbance rejection controller. **2022**, 8, 12186-12202	1
360	Role of existing and emerging technologies in advancing climate-smart agriculture through modeling: A review. **2022**, 71, 101805	0
359	Quantifying the relationship between public sentiment and urban environment in Barcelona. **2022**, 130, 103977	0
358	Data assimilation for the burnup distribution applying the three-dimensional variational and artificial neutral network algorithm. **2022**, 179, 109419	0
357	Numerical study on discharge characteristics of atmospheric dielectric barrier discharges by integrating machine learning. **2022**, 0	0
356	Using Artificial Neural Network Model for Berth Congestion Risk Prediction. **2022**, 55, 592-597	0
355	Forward physics-informed neural networks for catalytic CO_2 methanation via isothermal fixed-bed reactor. **2022**, 1675-1680	0
354	Utilizing artificial intelligence for environmental sustainability. **2022**, 259-279	0
353	Forward Physics-Informed Neural Networks Suitable for Multiple Operating Conditions of Catalytic CO_2 Methanation Isothermal Fixed-Bed. **2022**, 55, 429-434	0
352	Advances in drug development with the application of artificial intelligence. **2022**, 69-88	0
351	Human Detection and Biometric Authentication with Ambient Sensors. **2022**, 55-98	0
350	Fault Detection and Isolation Based on Deep Learning for a Fresnel Collector Field. **2022**, 55, 563-568	0
349	Modeling path-dependent state transitions by a recurrent neural network. **2022**, 7, 1-12	0

348   Numerical study on discharge characteristics of atmospheric dielectric barrier discharges by integrating machine learning. **2022**, 0   0

347   Diagnosis of Addison's disease Using Artificial Neural Network. **2022**, 55, 68-73   0

346   Applications of artificial neural networks in concentrating solar power systems. **2022**, 45-67   0

345   Predicting the Classification of Home Oxygen Therapy for Post-COVID-19 Rehabilitation Patients Using a Neural Network. **2022**,   0

344   Learning-based Wildfire Tracking with Unmanned Aerial Vehicles. **2022**,   0

343   Machine learning-based monitoring method for the electricity consumption of a healthcare facility in Italy. **2023**, 262, 125576   0

342   A Survey on Data Poisoning Attacks and Defenses. **2022**,   0

341   Security of Machine Learning-Based Anomaly Detection in Cyber Physical Systems. **2022**,   1

340   Face Detection-Induced Access Control System via Large Margin Metric Learning. **2022**, 13, 1-11   0

339   A Regularization-Based Long Short-Term Memory Architecture Design for Solar Irradiance Prediction. **2022**,   0

338   Enhancing stock market anomalies with machine learning.   0

337   Deep LSTM Model for Diabetes Prediction with Class Balancing by SMOTE. **2022**, 11, 2737   1

336   Robust Rule Based Neural Network Using Arithmetic Fuzzy Inference System. **2023**, 17-36   0

335   Predictive Analysis of Mental Health Conditions Using AdaBoost Algorithm. **2022**, 3, 11-26   2

334   Validation of machine learning approaches for estimating wheel fatigue loads at the front suspension of a race car during track driving. **2022**, 45, 3447-3466   0

333   Generation of Synthetic Compressional Wave Velocity Based on Deep Learning: A Case Study of Ulleung Basin Gas Hydrate in the Republic of Korea. **2022**, 12, 8775   0

332   Solar Photocatalytic Membranes: An Experimental and Artificial Neural Network Modeling Approach for Niflumic Acid Degradation. **2022**, 12, 849   0

331   Machine Learning and Its Applications in Studying the Geographical Distribution of Ants. **2022**, 14, 706   1

330	The Pairwise Similarity Partitioning algorithm: a method for unsupervised partitioning of geoscientific and other datasets using arbitrary similarity metrics. **2022**, 1-32	0
329	Fault classification of power plants using artificial neural network. **2022**, 44, 7665-7680	0
328	Uncertainty Propagation Based MINLP Approach for Artificial Neural Network Structure Reduction. **2022**, 10, 1716	0
327	Precision machine learning to understand micro-RNA regulation in neurodegenerative diseases. 15,	0
326	Deep Reinforcement Learning for Analog Circuit Sizing with an Electrical Design Space and Sparse Rewards. **2022**,	0
325	Deep Reinforcement Learning for Analog Circuit Sizing with an Electrical Design Space and Sparse Rewards. **2022**,	0
324	A Novel Computer Vision Model for Medicinal Plant Identification Using Log-Gabor Filters and Deep Learning Algorithms. **2022**, 2022, 1-21	0
323	Application of Machine Learning (ML) and Artificial Intelligence (AI)-Based Tools for Modelling and Enhancing Sustainable Optimization of the Classical/Photo-Fenton Processes for the Landfill Leachate Treatment. **2022**, 14, 11261	0
322	Deep learning for neural decoding in motor cortex. **2022**, 19, 056021	0
321	LİNEER OLMAYAN SİSTEMLERİN KİMLİKLENDİRİLMESİN KELEBEK OPTİMİZASYON ALGORİTMASI KULLANILARAK İERİBESLEMELİ YAPAY SİNİR AİNİN EİTİMİ. **2022**, 25, 273-284	0
320	A Traffic Intensive Virtual Channels Allocation Scheme in Network-on-Chip.	0
319	Enhancing the Predictive Performance of Credibility-Based Fake News Detection Using Ensemble Learning.	0
318	Machine learning for bioelectronics on wearable and implantable devices: challenges and potential.	1
317	Deployment of the Microeconomic Consumer Theory in the Artificial Neural Networks Modelling: Case of Organic Food Consumption. **2022**, 10, 3215	0
316	Early Prediction of Diabetes Using an Ensemble of Machine Learning Models. **2022**, 19, 12378	2
315	Inferring galaxy dark halo properties from visible matter with machine learning. **2022**, 516, 3924-3943	0
314	Deep learning approaches and interventions for futuristic engineering in agriculture.	1
313	A systematic review of data-driven approaches to fault diagnosis and early warning.	1

312	Artificial Neural Networks for Modeling of GaN Devices. **2022**,	0
311	Performance assessment of SARIMA, MLP and LSTM models for short-term solar irradiance prediction under different climates in Morocco.. 1-10	0
310	An Artificial Intelligence Based Data-Driven Method for Forecasting Unconfined Compressive Strength of Cement Stabilized Soil by Deep Mixing Technique.	0
309	A New Neural Network Training Algorithm Based on Artificial Bee Colony Algorithm for Nonlinear System Identification. **2022**, 10, 3487	1
308	Deep Neural Network-Evaluated Thermal Conductivity for Two-Phase WC-M (M = Ag, Co) Cemented Carbides. **2022**, 15, 6269	0
307	A Comparative Study of the Accuracy of Machine Learning Models for Predicting Tempered Martensite Hardness According to Model Complexity. **2022**, 60, 713-721	0
306	Rapid Damage Estimation of Texas Winter Storm Uri from Social Media Using Deep Neural Networks. **2022**, 6, 62	0
305	Artificial Intelligence-based Models for reconstructing the critical current and index-value surfaces of HTS tapes.	0
304	Pixel-level rapid detection of Aflatoxin B1 based on 1D-modified temporal convolutional network and hyperspectral imaging. **2022**, 108020	0
303	Predicting the Conveying Velocity of C-Shaped Parts on a Trap-Based Linear Vibratory Feeder. **2023**, 643-654	0
302	Deep quantification of a refined adulterant blended into pure avocado oil. **2022**, 134474	0
301	Evolution dynamic of intelligent construction strategy of coal mine enterprises in China. **2022**, e10933	2
300	Reconfigurable nonlinear photonic activation function for photonic neural network based on non-volatile opto-resistive RAM switch. **2022**, 11,	0
299	MultiCNN-FilterLSTM: Resource-efficient sensor-based human activity recognition in IoT applications. **2022**,	1
298	On the use of Spectroscopy, Prediction Machines and Cybernetics for an Affordable and Proactive Care Approach for Endometrial Cancer. **2022**, 100057	0
297	A machine learning approach to appraise and enhance the structural resilience of buildings to seismic hazards. **2022**, 45, 1516-1529	0
296	Generative model-based hybrid forecasting model for renewable electricity supply using long short-term memory networks: A case study of South Korea's energy transition policy. **2022**, 200, 69-87	1
295	Development of Ni(II) resistant S. cerevisiae and its application: Adsorption study and modeling. **2022**, 309, 136647	1

294	Detection of insomnia using advanced complexity and entropy features of sleep stage data of EEG recordings. **2022**, 24, 100498	0
293	The Nature-Based Solutions Case-Based System: A hybrid expert system. **2022**, 324, 116413	0
292	Detection of the Relationship between the Multi-Dimensional Data Sets of Serially Measured Blood Pressure and the Future Risk of Death in Healthy Elderly Japanese Population. **2022**,	0
291	Machine Learning-driven Advanced Development of the Carbon-based Luminescent Nanomaterials.	1
290	Machine Learning for Medical and Healthcare Data Analysis and Modelling: Case Studies and Performance Comparisons of Different Methods. **2022**,	0
289	Vehicle Auto-Classification Using Machine Learning Algorithms Based on Seismic Fingerprinting. **2022**, 11, 148	0
288	A deep learning approach for metabolic rate prediction.	0
287	Neural network-based correlation and statistical identification of data outliers in H2S-alkanolamine-H2O and CO2-alkanolamine-H2O datasets.	0
286	A Review of Image Super-Resolution Approaches Based on Deep Learning and Applications in Remote Sensing. **2022**, 14, 5423	3
285	Development of a Robust Data-Driven Soft Sensor for Multivariate Industrial Processes with Non-Gaussian Noise and Outliers. **2022**, 10, 3837	0
284	An Improved Sea Lion Optimization for Workload Elasticity Prediction with Neural Networks. **2022**, 15,	0
283	Assessing the macroeconomic effects of China Eastern African BRI transport infrastructure on Eastern African countries.	0
282	Entropy generation analysis and simulation of turbulent forced convection around tube with integral wake splitter using artificial neural network approach. **2022**,	2
281	The determinants of investment fraud: A machine learning and artificial intelligence approach. 5,	0
280	Artificial Neural Network Training Using Structural Learning with Forgetting for Parameter Analysis of Injection Molding Quality Prediction. **2022**, 13, 488	0
279	Evaluation of Pavement Condition Deterioration Using Artificial Intelligence Models. **2022**, 22, 272-284	0
278	Prediction for the Customer Behavior in the Financial Institution Based on the Machine Learning Algorithms. 28, 202-206	0
277	Neural Component Analysis for Key Performance Indicator Monitoring. **2022**, 7, 37248-37255	1

276	Color Image Encryption Based on Deep Learning and Block Embedding. **2022**, 2022, 1-14	0
275	Artificial Neural Networks in Improvement of Spatial Resolution of Thermal Infrared Data. **2023**, 437-445	0
274	An Artificial Neural Network Model for Water Quality and Water Consumption Prediction. **2022**, 14, 3359	1
273	Tracking Synchronization of Coupled Non-identical Neural Networks Via Iterative Learning Control. **2022**,	0
272	The Role of Machine Learning in Tribology: A Systematic Review.	0
271	Optimization and prediction of incremental sheet forming parameters of Titanium grade 5 sheet using a response surface methodology and artificial neural network. 095440622211336	0
270	Bioethanol-gasoline blend a promising fuel for motorized two-wheelers: optimization of operating conditions for minimum regulated emissions.	0
269	Control of a closed dry grinding circuit with ball mills using predictive control based on neural networks. **2022**, 100064	0
268	Predicting seismic response of SMRFs founded on different soil types using machine learning techniques. **2023**, 274, 114953	3
267	A novel hybrid based on nature-inspired and Stochastic Fractal Search algorithms for optimizing of artificial neural network model in landslide susceptibility. **2023**, 117, 105457	0
266	High optical storage density using three-dimensional hybrid nanostructures based on machine learning. **2023**, 161, 107347	1
265	Data augmentation based estimation for the censored quantile regression neural network model. **2023**, 214, 119097	0
264	Hierarchical Parallel Vision Processor for High-speed Ship Detection. **2022**, 1-1	0
263	Distortion Compensation For Orbital Angular Momentum Beams: From Probing to Deep Learning. **2022**, 1-10	0
262	Data-driven scheme for optimal day-ahead operation of a wind/hydrogen system under multiple uncertainties. **2023**, 329, 120201	1
261	Spec guidance for engineering design based on data mining and neural networks. **2023**, 144, 103790	0
260	Ensemble Learning Based Models for House Price Prediction, Case Study: Miami, U.S. **2022**,	0
259	Data Flow Tracking and Real-Time Monitoring Framework of College Online Education Platform based on Spark Big Data Analytic Tools. **2022**,	0

258	Machine Learning Applications for Transcription Level and Phenotype Predictions.	0
257	NIANN: Integration of ANN with Nature-Inspired Optimization Algorithms. **2023**, 113-145	0
256	Optimization and design of artificial neural network with Levenberg-Marquardt algorithm to increase accuracy in predicting the dynamic viscosity of SAE40 oil-based hybrid nano-lubricant. **2022**, 118097	0
255	Machine Learning-Based Solution for Thermomechanical Analysis of MMIC Packaging. 2201479	0
254	Cybersecurity in Smart Cities: Detection of Opposing Decisions on Anomalies in the Computer Network Behavior. **2022**, 11, 3718	0
253	Binary Salt Structure Classification with Convolutional Neural Networks:Application to Crystal Nucleation and Melting Point Calculations.	0
252	Back propagation artificial neural network for diagnose of the heart disease.	0
251	An Approach to Corporate Credit Rating Prediction Using Computational Intelligence-Based Methods. **2023**, 80-95	0
250	Development of convolutional neural network model for diagnosing tear of anterior cruciate ligament using only one knee magnetic resonance image. **2022**, 101, e31510	1
249	Tool life prognostics in CNC turning of AISI 4140 steel using neural network based on computer vision.	1
248	Predicting Crack Width in CFRP-Strengthened RC One-Way Slabs Using Hybrid Grey Wolf Optimizer Neural Network Model. **2022**, 12, 1870	0
247	The design and calibration of a low-cost underwater sound velocity profiler. 9,	0
246	Adaptive fairness improvement based on causality analysis. **2022**,	0
245	Diabetic retinopathy classification based on dense connectivity and asymmetric convolutional neural network.	0
244	Degradation of oxytetracycline hydrochloride using photocatalysis in the presence of Fe_3O_4/rGO/Co-doped ZnO/g-C_3N_4 nanocomposite particles: Experiment, modeling, optimization and mechanistic evaluation. **2022**, 33, 104941	0
243	Optoelectronic integrated circuits for analog optical computing: Development and challenge. 10,	0
242	Intrusion Detection Systems: A State-of-the-Art Taxonomy and Survey.	0
241	Application of artificial intelligence in environmental sustainability and climate change. **2023**, 293-316	0

240	On Memristors for Enabling Energy Efficient and Enhanced Cognitive Network Functions. **2022**, 10, 129279-129312	3
239	CEG4N: Counter-Example Guided Neural Network Quantization Refinement. **2022**, 29-45	0
238	Branch-and-Bound Search and Machine Learning-Based Transmit Antenna Selection in MIMOME Channels. **2022**, 10, 123123-123137	0
237	Development of an intelligent clinical decision support system for the early prediction of diabetic nephropathy. **2022**, 35, 101135	0
236	Measurement and Prediction of Micronewton Class Thrust of Electric Propulsion Based on the Torsional Pendulum and Machine Learning Technique. **2022**, 1-1	0
235	ARTIFICIAL INTELLIGENCE ENABLED DEMAND RESPONSE: PROSPECTS AND CHALLENGES IN SMART GRID ENVIRONMENT. **2022**, 1-1	1
234	A Novel Approach to Parkinson's Disease Progression Evaluation Using Convolutional Neural Networks. **2023**, 11, 1-26	0
233	Artificial neural networks applications in partially shaded PV systems. **2023**, 37, 101612	2
232	VB-DeepONet: A Bayesian operator learning framework for uncertainty quantification. **2023**, 118, 105685	0
231	Combined mathematical and artificial intelligence modeling of catalytic bio-methanol conversion to dimethyl ether. **2023**, 276, 116562	0
230	Model reference control by recurrent neural network built with paraconsistent neurons for trajectory tracking of a rotary inverted pendulum. **2023**, 133, 109927	0
229	Multiaxial fatigue prediction and uncertainty quantification based on back propagation neural network and Gaussian process regression. **2023**, 168, 107361	0
228	Probabilistic reliability assessment of twin tunnels considering fluidBolid coupling with physics-guided machine learning. **2023**, 231, 109028	1
227	Optimization of U-shaped flow channel by RBFNN and NSGA-II. **2023**, 243, 108012	0
226	Achieving vibrational energies of diatomic systems with high quality by machine learning improved DFT method. **2022**, 12, 35950-35958	0
225	The Next Generation of eHealth: a Multidisciplinary Survey. **2022**, 1-1	0
224	Transmission Probability of SARS-CoV-2 in Office Environment Using Artificial Neural Network. **2022**, 10, 121204-121229	4
223	Functional extreme learning machine for regression and classification. **2022**, 20, 3768-3792	0

222	Performance/Resources Comparison of Hardware Implementations on Fully Connected Network Inference. **2022**, 348-358	0
221	Recognition of Vertical Migrations for Two Age Groups of Zooplankton. **2022**, 41-54	0
220	Resource Efficient Federated Deep Learning for IoT Security Monitoring. **2022**, 122-142	0
219	Quadrature Sinusoidal Signals Correction of Magnetic Encoders Via Radial Basis Function Neural Network and Adaptive Loop Shaping. **2022**, 1-8	0
218	Image Processing Based Implied Volatility Surface Analysis for Asset movement Forecasting. **2022**,	0
217	Predictive Models Using Supervised Neural Network for Pollutant Removal Efficiency in Petrochemical Wastewater Treatment. **2022**,	0
216	Hidden-ROM. **2022**,	0
215	A higher prediction accuracy based alpha-beta filter algorithm using the feedforward artificial neural network.	2
214	Water Quality Predictions Based on Grey Relation Analysis Enhanced LSTM Algorithms. **2022**, 14, 3851	0
213	Classification in Wineinformatics. **2023**, 17-27	0
212	An Overview of Enhancing Encryption Standards for Multimedia in Explainable Artificial Intelligence Using Residue Number Systems for Security. **2022**, 247-273	0
211	Fuzzy Inference System for Predicting Functional Service Life of Concrete Pavements in Airports. **2022**, 7, 162	0
210	Outlet Liquid Material Concentration Prediction of an Evaporation Process Based on Knowledge and Data Information. **2022**, 10, 2525	0
209	Mapping the Intellectual Structure of Artificial Neural Network Research in Business Domain: A Retrospective Overview Using Bibliometric Review. **2022**, 35-59	1
208	Artificial neural network-based modeling of flashlamp characteristics.	0
207	Leveraging Self-Attention Mechanism for Attitude Estimation in Smartphones. **2022**, 22, 9011	1
206	The scientific progress and prospects of artificial intelligence in digestive endoscopy: A comprehensive bibliometric analysis. **2022**, 101, e31931	0
205	Path sampling of recurrent neural networks by incorporating known physics. **2022**, 13,	2

186	Short-Term Forecasting of Wind Gusts at Airports Across CONUS Using Machine Learning. **2022**, 9,	0
185	Prediction of In vitro organogenesis of Bacopa monnieri using artificial neural networks and regression models. **2022**, 8, e11969	0
184	Evolution of self-organised division of labour driven by stigmergy in leaf-cutter ants. **2022**, 12,	0
183	Use of Neural Networks and Computer Vision for Spill and Waste Detection in Port Waters: An Application in the Port of Palma (MaJorca, Spain). **2023**, 13, 80	0
182	New insights into diffusive kinetic fractionation during liquid condensation under supersaturated environment: an alternative approach for isotope tagging of ground-level water vapour. 1-26	0
181	Estimating spatiotemporally continuous snow water equivalent from intermittent satellite observations: an evaluation using synthetic data. **2023**, 27, 21-38	0
180	Theoretical error performance analysis for variational quantum circuit based functional regression. **2023**, 9,	0
179	Predicting stock market using machine learning: best and accurate way to know future stock prices.	0
178	Forecasting Energy Consumption of a Public Building Using Transformer and Support Vector Regression. **2023**, 16, 966	1
177	Using Mental Shadowing Tasks to Improve the Sound-Evoked Potential of EEG in the Design of an Auditory BrainⒸComputer Interface. **2023**, 13, 856	0
176	In-situ heat losses measurements of parabolic trough receiver tubes based on infrared camera and artificial intelligence. **2023**, 100679	0
175	ANFIS and ANN models to predict heliostat tracking errors. **2023**, 9, e12804	0
174	Health Monitoring Technology Based on Artificial Intelligence. **2023**, 117-212	0
173	An Intelligent Optimization Algorithm for Scheduling the Required SIL Using Neural Network.	0
172	Procedural- and Reinforcement-Learning-Based Automation Methods for Analog Integrated Circuit Sizing in the Electrical Design Space. **2023**, 12, 302	0
171	Persistent homology classification algorithm. 9, e1195	0
170	An Offline Weighted-Bagging Data-Driven Evolutionary Algorithm with Data Generation Based on Clustering. **2023**, 11, 431	0
169	Similarity Feature Construction for Matching Ontologies through Adaptively Aggregating Artificial Neural Networks. **2023**, 11, 485	0

168	Machine Learning Applications for Urban Photovoltaic Potential Estimation: A Survey. **2023,**	0
167	Green buildings heat loss reduction analysis through two novel hybrid approaches. **2023**, 55, 102951	0
166	Big Data and Machine Learning Driven Bioprocessing - Recent trends and critical analysis. **2023**, 128625	1
165	Groundwater level modeling using Augmented Artificial Ecosystem Optimization. **2023**, 617, 129034	0
164	Exploring the nonlinear partitioning mechanism of volatile organic contaminants between soil and soil vapor using machine learning. **2023**, 315, 137689	0
163	Artificial neural network modeling on trichloroethylene biodegradation in a packed-bed biofilm reactor and its comparison with response surface modeling approach. **2023**, 191, 108801	0
162	Critical heat flux prediction for safety analysis of nuclear reactors using machine learning. **2022,**	1
161	enpheeph: A Fault Injection Framework for Spiking and Compressed Deep Neural Networks. **2022,**	0
160	Fault Detection and Isolation Based on Improved Latent Dirichlet Allocation for Planetary Gearbox. **2022,**	0
159	Classification of Insulation Defect Type in Power Apparatus Based on Partial Discharge Signals by CNN. **2022,**	0
158	A Comparative Analysis of Anomaly Detection Algorithm for Digital Twin. **2022**, 23, 2497-2506	0
157	Estimation of the Input Wave Height of the Wave Generator for Regular Waves by Using Artificial Neural Networks and Gaussian Process Regression. **2022**, 34, 315-324	0
156	An Artificial-Intelligence-Based Novel Rice Grade Model for Severity Estimation of Rice Diseases. **2023**, 13, 47	1
155	Machine Learning-based Approaches Comparison for Netfiix/DAZN Streaming and Real Traffic Prediction. **2022,**	0
154	Nanoscale Accelerators for Artificial Neural Networks. **2022**, 16, 14-21	0
153	Application of Near-Infrared Spectroscopy and Hyperspectral Imaging Combined with Machine Learning Algorithms for Quality Inspection of Grape: A Review. **2023**, 12, 132	1
152	Automated credit assessment framework using ETL process and machine learning.	0
151	Intelligent Assessment of Pavement Condition Indices Using Artificial Neural Networks. **2023**, 15, 561	1

150	Air-Gapped Networks: Exfiltration without Privilege Escalation for Military and Police Units. **2022**, 2022, 1-11	1
149	Radiology, AI and Big Data: Challenges and Opportunities for Medical Imaging. **2022**, 33-55	0
148	Accurate Decision-Making Method for ́Air Combat Pilots Based on Data-Driven. **2022**, 439-448	0
147	Al-Biruni Earth Radius Optimization Based Algorithm for Improving Prediction of Hybrid Solar Desalination System. **2023**, 16, 1185	0
146	Dual-Layer Q-Learning Strategy for Energy Management of Battery Storage in Grid-Connected Microgrids. **2023**, 16, 1334	0
145	Impact of Data Representation on Artificial Neural Network Performance in sCO2 Cooling Applications. **2023**,	0
144	Performance assessment of vegetable based additive enriched cutting fluid for eco-friendly machining environment.	0
143	A review of recent advances and applications of machine learning in tribology. **2023**, 25, 4408-4443	0
142	Artificial neural network models for wastewater treatment plant. **2023**,	0
141	A novel swarm intelligence: cuckoo optimization algorithm (COA) and SailFish optimizer (SFO) in landslide susceptibility assessment.	0
140	Evaluating Airfoil Mesh Quality with Transformer. **2023**, 10, 110	0
139	Dental Age Estimation Using Deep Learning: A Comparative Survey. **2023**, 11, 18	0
138	Prediction of land cover changes of Khagrachhari Hilly Upazila using artificial-neural-network-based cellular automata model. **2023**, 325-343	0
137	Projected Water Levels and Identified Future Floods: A Comparative Analysis for Mahaweli River, Sri Lanka. **2023**, 11, 8920-8937	0
136	Intuitionistic Fuzzy Deep Neural Network. **2023**, 11, 716	0
135	Multiobjective process parameter optimization in fused filament fabrication with nature-inspired algorithms. **2023**, 349-359	0
134	Transportation Management Using IoT. **2023**, 203-226	0
133	Simultaneous Quantitative Analysis of Salmeterol and Fluticasone in Inhalation Spray Using HPLC and a Fast Spectrophotometric Technique Combined with a Time Series Neural Network and Multivariate Calibration Methods.	0

132	Revival of Classical Algorithms: A Bibliometric Study on the Trends of Neural Networks and Genetic Algorithms. **2023**, 15, 325	0
131	Load Forecasting Models in Smart Grid Using Smart Meter Information: A Review. **2023**, 16, 1404	4
130	Strength and stiffness prediction models of expansive clays blended with sawdust ash. **2023**, 1273, 012018	1
129	A Survey on Soft Computing Techniques for Federated Learning- Applications, Challenges and Future Directions.	0
128	Barriers to Building Information Modeling (BIM) Deployment in Small Construction Projects: Malaysian Construction Industry. **2023**, 15, 2477	2
127	Study of nonlinear optical diffraction patterns using machine learning models based on ResNet 152 architecture. **2023**, 13, 015020	0
126	Distributed Limited Resource Allocation and Energy-Expenditure Learning for Advanced Air Mobility. **2023**,	0
125	Modeling of Artificial Neural Networks for Hydrogen Production via Water Electrolysis.	0
124	Prediction of Need for Cyber Training for University Students Using Artificial Neural Networks. **2023**, 218, 1414-1423	0
123	Combining Spiking Neural Networks with Artificial Neural Networks for Enhanced Image Classification. **2023**, E106.D, 252-261	0
122	Dummy Variable Regression and Artificial Neural Networks for Maize Grain Yields Prediction in Push-Pull Systems.	0
121	Automated Machine Learning Deployment Using Open-Source CI/CD Tool. **2023**, 209-222	0
120	Tillage practices influence winter wheat grain yield prediction using seasonal precipitation. 5,	0
119	Application of Evolutionary Algorithms in Social Networks: A Comparative Machine Learning Perspective.	0
118	Applications of Artificial Intelligence in Social Science Issues: a Case Study on Predicting Population Change.	0
117	Machine learning assisted prediction of heat fluxes through thermally anisotropic building envelopes. **2023**, 234, 110157	0
116	Does reinforcement learning outperform deep learning and traditional portfolio optimization models in frontier and developed financial markets?. **2023**, 65, 101936	0
115	Increase of Simultaneous Soybean Failures Due To Climate Change. **2023**, 11,	0

| 114 | Syntactic complexity in adapted extracurricular reading materials. **2023**, 113, 103002 | 0 |

| 113 | Machine learning in coastal bridge hydrodynamics: A state-of-the-art review. **2023**, 134, 103511 | 0 |

| 112 | Intrusion detection model using optimized quantum neural network and elliptical curve cryptography for data security. **2023**, 71, 491-500 | 0 |

| 111 | Defective PWR fuel rods detection and characterization using an Artificial Neural Network. **2023**, 160, 104686 | 0 |

| 110 | An artificial neural network-particle swarm optimization (ANN-PSO) approach to predict the aeration efficiency of venturi aeration system. **2023**, 4, 100230 | 0 |

| 109 | Artificial Neural Networks and Data Science. **2022**, 899-921 | 0 |

| 108 | A hybrid framework of artificial intelligence-based neural network model (ANN) and central composite design (CCD) in quality by design formulation development of orodispersible moxifloxacin tablets: Physicochemical evaluation, compaction analysis, and its in-silico PBPK modeling. **2023**, 82, 104323 | 0 |

| 107 | Effect of Royal Gel addition to chitosan matrix for wound dress applications: Fabrication, characterization and artificial neural network analysis. **2023**, 30, 103077 | 0 |

| 106 | Feature extraction and prediction of fine particulate matter (PM2.5) chemical constituents using four machine learning models. **2023**, 221, 119696 | 0 |

| 105 | How does environmental policy stringency influence green innovation for environmental managements?. **2023**, 338, 117766 | 0 |

| 104 | Sensitivity analysis for forecasting Brazilian electricity demand using artificial neural networks and hybrid models based on Autoregressive Integrated Moving Average. **2023**, 274, 127365 | 0 |

| 103 | Screening unknown novel psychoactive substances using GC⊠MS based machine learning. **2023**, 34, 100499 | 0 |

| 102 | Techniques to ́Reject Atypical Patterns. **2022**, 3-18 | 0 |

| 101 | Automatic documentation of professional health interactions: A systematic review. **2023**, 137, 102487 | 0 |

| 100 | Machine learning based CAD system. **2022**, | 0 |

| 99 | Smart overpressure protection devices to protect chemical reactors against exothermal runaway reactions. **2023**, 82, 104996 | 0 |

| 98 | Efficient numerical simulation of atmospheric pulsed discharges by introducing deep learning. 11, | 0 |

| 97 | Classification of EEG Signals in Two Levels of Normal and Anxious Using Nonlinear Features. **2021**, 9, 54-69 | 0 |

96	Projecting Annual Rainfall Timeseries Using Machine Learning Techniques. **2023**, 16, 1459	0
95	Intervention of artificial intelligence to predict the degradation and mineralization of amoxicillin through photocatalytic route using nickel phosphide-titanium dioxide catalyst. **2023**, 136, 549-565	0
94	Training Multilayer Neural Network Based on Optimal Control Theory for Limited Computational Resources. **2023**, 11, 778	0
93	Load Forecasting Techniques and Their Applications in Smart Grids. **2023**, 16, 1480	4
92	Characterization and Simulation of Acoustic Properties of Sugarcane Bagasse-Based Composite Using Artificial Neural Network Model. **2023**, 11, 18	1
91	MOSFET Physics-Based Compact Model Mass-Produced: An Artificial Neural Network Approach. **2023**, 14, 386	0
90	Efficient numerical simulation on dielectric barrier discharges at atmospheric pressure integrated by deep neural network. **2023**, 133, 053303	1
89	Analysis of Completion Time at Information Technology Department using Artificial Neural Network. **2022**,	0
88	Deep Learning Methods For COVID-19 Mitigation: Applications, Challenges and Future Implications. **2022**,	0
87	Triboinformatic modeling of the friction force and friction coefficient in a cam-follower contact using machine learning algorithms. **2023**, 181, 108336	0
86	Investigating the effect of vaccinated population on the COVID-19 prediction using FA and ABC-based feed-forward neural networks. **2023**, 9, e13672	0
85	Comparative study on peak power prediction methods during start-up and power-up of heat pipe reactor based on neural network and decision tree. **2023**, 405, 112208	0
84	Automatic measurement and prediction of Chinese Grown Pigs weight using multilayer perceptron neural networks. **2023**, 13,	0
83	Compressive strength of concrete containing furnace blast slag; optimized machine learning-based models. **2023**, 13, 100604	1
82	Enhancement of Neural Networks Model𝕊 Predictions of Currencies Exchange Rates by Phase Space Reconstruction and Harris Hawks𝕊Optimization.	0
81	Modeling and Forecasting of nanoFeCu Treated Sewage Quality Using Recurrent Neural Network (RNN). **2023**, 11, 39	0
80	Multi-Task Classification of Physical Activity and Acute Psychological Stress for Advanced Diabetes Treatment. **2023**, 4, 167-192	0
79	A State-of-the-Art Review of Non-Destructive Testing Image Fusion and Critical Insights on the Inspection of Aerospace Composites towards Sustainable Maintenance Repair Operations. **2023**, 13, 2732	0

| 78 | Evaluation and classification of obfuscated Android malware through deep learning using ensemble voting mechanism. **2023**, 13, | 0 |

| 77 | Neural Networks for Hyperspectral Imaging of Historical Paintings: A Practical Review. **2023**, 23, 2419 | 0 |

| 76 | Fully-Depleted Silicon-on-Insulator (FDSOI) Based Complementary Phototransistors for In-Sensor Vector-Matrix Multiplication. **2023**, 44, 670-673 | 0 |

| 75 | Comparison of machine learning techniques for spam detection. | 0 |

| 74 | Peripheral blood routine parameters-based MLP-ANN model discrimination of ulcerative colitis from Crohn's disease and prediction of disease activity. | 0 |

| 73 | Performance analysis of multiple input single layer neural network hardware chip. | 0 |

| 72 | A Comprehensive Study on the Styrene GTR Radical Graft Polymerization: Combination of an Experimental Approach, on Different Scales, with Machine Learning Modeling. **2023**, 3, 79-107 | 0 |

| 71 | Are Neural Networks the Right Tool for Process Modeling and Control of Batch and Batch-like Processes?. **2023**, 11, 686 | 0 |

| 70 | Gap-filling carbon dioxide, water, energy, and methane fluxes in challenging ecosystems: Comparing between methods, drivers, and gap-lengths. **2023**, 332, 109365 | 0 |

| 69 | Modern-day marketing concepts based on face recognition and neuro-marketing: a review and future research directions. | 1 |

| 68 | Neural Network-based Fast and Intelligent Signal Integrity Assessment Model for Emerging MWCNT Bundle On-Chip Interconnects in Integrated Circuit. 1-16 | 0 |

| 67 | Neural Network Prediction Model of Cocrystal Melting Temperature Based on Molecular Descriptors and Graphs. **2023**, 23, 2540-2549 | 0 |

| 66 | Analysis of Factors Affecting Purchase of Self-Defense Tools among Women: A Machine Learning Ensemble Approach. **2023**, 13, 3003 | 0 |

| 65 | New frontiers in the risk assessment of ship collision. **2023**, 274, 113999 | 0 |

| 64 | Comparative Analysis of the Implementation of Support Vector Machines and Long Short-Term Memory Artificial Neural Networks in Municipal Solid Waste Management Models in Megacities. **2023**, 20, 4256 | 0 |

| 63 | Delaunay-Triangulation-Based Learning With Hessian Total-Variation Regularization. **2023**, 4, 167-178 | 0 |

| 62 | Neural Network. **2023**, 83-96 | 0 |

| 61 | Application of Artificial Neural Network-Based Tool for Short Circuit Currents Estimation in Power Systems With High Penetration of Power Electronics-Based Renewables. **2023**, 11, 20051-20062 | 0 |

60   Artificial intelligence (AI) and machine learning in the treatment of various diseases. **2023**, 139-158   o

59   Modeling and predicting the sensitivity of high-performance concrete compressive strength using machine learning´methods.   o

58   Delineation of Integrated Anomaly with Generative Adversarial Networks and Deep Neural Networks in the Zhaojikou Pb-Zn Ore District, Southeast China.   o

57   An Analytical Predictive Model for the Heat Capacity of Imidazolium-Type Ionic Liquids Derived Directly from Artificial Neural Network Modeling. **2023**, 44,   o

56   Unsupervised leak detection of natural gas pipe based on leak-free flow data and deep auto-encoder. **2022**,   o

55   Performance Optimization of a Blockchain-Enabled Information and Data Exchange Platform for Smart Grids. **2023**, 12, 1405   o

54   Design and testing of silicon photonic 4F system for convolutional neural networks. **2023**,   o

53   Supervised Machine-Learning Methodology for Industrial Robot Positional Health Using Artificial Neural Networks, Discrete Wavelet Transform, and Nonlinear Indicators. **2023**, 23, 3213   o

52   RIOT: Recursive Inertial Odometry Transformer for Localisation from Low-Cost IMU Measurements. **2023**, 23, 3217   o

51   Technologies and Innovative Methods for Precision Viticulture: A Comprehensive Review. **2023**, 9, 399   o

50   Predicting Atmospheric Humidity Using Artificial Neural Networks and BeiDou Satellite Navigation Data. **2022**,   o

49   Comparison Of Conventional and Lightweight Convolutional Neural Networks for Image Classification. 38, 988-993   o

48   Optimal design of thermo-compression bonder via ANN-based surrogate modeling under uncertainty. **2023**, 34, 237-253   o

47   A Flight Parameter-Based Aircraft Structural Load Monitoring Method Using a Genetic Algorithm Enhanced Extreme Learning Machine. **2023**, 13, 4018   o

46   Analysis of Cognitive Emotional and Behavioral Aspects of Alzheimer's Disease Using Hybrid CNN Model. **2022**,   o

45   Layering Images with Convolution Neural Networks on Cloud Computing. **2023**, 160-171   o

44   A One-Dimensional Convolutional Neural Network-Based Method for Diagnosis of Tooth Root Cracks in Asymmetric Spur Gear Pairs. **2023**, 11, 413   o

43   Artificial intelligence applied to potential assessment and talent identification in an organisational context. **2023**, 9, e14694   o

42	Uncertainty-based Meta-Reinforcement Learning for Robust Radar Tracking. **2022**,	0
41	Biomaterials Research-Driven Design Visualized by AI Text-Prompt-Generated Images. **2023**, 7, 48	0
40	A Reflectivity Enhanced 3D Optical Storage Nanostructure Application Based on Direct Laser Writing Lithography. **2023**, 16, 2668	0
39	PreAugNet: improve data augmentation for industrial defect classification with small-scale training data.	0
38	Prediction the output power of photovoltaic module using artificial neural networks model with optimizing the neurons number. **2023**, 12, 478-487	0
37	Empirical analysis of Integrated Teaching Mode of International Trade Based on Practical training data detection and Neural Network.	0
36	Temiz Şehir: Makine Öenmesi Yöntemleri ile Hava Kalitesi Tahmini.	0
35	A review of indoor localization for Alzheimer's patients based on a wireless sensor networks. **2023**,	0
34	A novel method on the optimization problem of energy conservation in public buildings. **2023**, 45, 3279-3296	0
33	Universities as an External Knowledge Source for Industry: Investigating the Antecedents Impact on the Importance Perception of Their Collaboration in Open Innovation Using an Ordinal Regression-Neural Network Approach. **2023**, 11, 1671	0
32	Image steganalysis using deep learning: a systematic review and open research challenges.	0
31	Staying Ahead of Threats: A Review of AI and Cyber Security in Power Generation and Distribution. **2023**, 11, 143-147	0
30	Infrared spectroscopy for ploidy estimation: An example in two species of Veronica using fresh and herbarium specimens. **2023**, 11,	1
29	A Deep Learning and Channel Sounding Based Data Authentication and QoS Enhancement Mechanism for Massive IoT Networks.	0
28	Plastic Extrusion Process Optimization by Inversion of Stacked Autoencoder Classification Machines.	0
27	Biohydrogen production via green silver nanoparticles synthesized through biomass of Ulva lactuca bloom. **2023**, 379, 129028	0
26	Detecting Phishing Domains Using Machine Learning. **2023**, 13, 4649	0
25	A Data-Driven Algorithm for Large-Scale Multi-camera Calibration. **2023**, 75-85	0

24   Using Artificial Neural Networks to Model Initial Recruitment of Mediterranean Pine Forests. **2023**, 3-12   o

23   A Physical Layer Key Generation Scheme Based on Deep Learning Compensation and Balanced Vector Quantization. **2023**, 2023, 1-14   o

22   A survey on molecular-scale learning systems with relevance to DNA computing.   o

21   Minimum Variance Embedded Intuitionistic Fuzzy Weighted Random Vector Functional Link Network. **2023**, 600-611   o

20   Harnessing Deep Learning for Omics in an Era of COVID-19. **2023**, 27, 141-152   o

19   Research on the strategy of locating abnormal data in internet of things management platform based on improved modified particle swarm optimization convolutional neural network algorithm. **2023**, 2023,   o

18   Emotion Detection using Facial Image for Behavioral Analysis. **2022**,   o

17   Modeling of discharge characteristics and plasma chemistry in atmospheric CO_2 pulsed plasmas employing deep neural network. **2023**, 133, 143301   o

16   SaveDat: Spatio-Temporal Trajectory Compression by LSTM. **2022**,   o

15   Development of a machine-learning-based method for early fault detection in photovoltaic systems. **2023**, 70,   o

14   Artificial neural network to evaluate proton conductivity of sulfonated fluorinated membranes: Effect of sulfonation degree, fluorine content, and cost for membranes of synthesized copolymers, blends, and nanofibrous electrospun composite case studies. **2023**,   o

13   Archive-based coronavirus herd immunity algorithm for optimizing weights in neural networks.   o

12   Analysis of Development Strategy for Ecological Agriculture Based on a Neural Network in the Environmental Economy. **2023**, 15, 6843   o

11   Browser Extension for Detection of Fake News and Disinformation. **2023**, 209-220   o

10   An Integrated Approach Using Robotic Process Automation and Artificial Intelligence as Disruptive Technology for Digital Transformation. **2023**, 438-450   o

9   DAmcqrnn: An approach to censored monotone composite quantile regression neural network estimation. **2023**, 118986   o

8   Analysis of Gun Crimes in New York City. **2023**, 5, 18   o

7   Do you like it or not? Identifying preference using an electroencephalogram during the viewing of short videos.   o

6	Global fire modelling and control attributions based on the ensemble machine learning and satellite observations. **2023**, 7, 100088	0
5	Advancing water quality monitoring through artificial neural networks: present insights and future opportunities in scientific exploration. **2023**, 399-409	0
4	Multi-Objective Optimization for Neural Network Structure. **2023**,	0
3	Classification of Speaking and Singing Voices Using Bioimpedance Measurements and Deep Learning. **2023**,	0
2	Adaptive data fusion framework for modeling of non-uniform aerodynamic data. **2023**,	0
1	Static Video Summarization Using Video Coding Features with Frame-Level Temporal Subsampling and Deep Learning. **2023**, 13, 6065	0