

CITATION REPORT

List of articles citing

Introduction to multi-layer feed-forward neural networks

DOI: 10.1016/s0169-7439(97)00061-0
Chemometrics and Intelligent Laboratory Systems,
1997, 39, 43-62.

Source: <https://exaly.com/paper-pdf/28732542/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
883	Early transition detection-A dynamic extension to common classification methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1998 , 43, 123-133	3.8	3
882	Artificial Neural Networks. 1998 , 649-699		7
881	A common framework for the unification of neural, chemometric and statistical modeling methods. 1999 , 384, 227-247		20
880	The development of a quantitative structure property relationship (QSPR) for the prediction of dielectric constants using neural networks. 1999 , 384, 285-303		45
879	Two improvements of early transition detection. 1999 , 13, 525-537		2
878	Development of a generalized neural network. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2000 , 50, 101-105	3.8	12
877	Development of a Hierarchical Classification System with Artificial Neural Networks and FT-IR Spectra for the Identification of Bacteria. 2000 , 54, 1471-1479		130
876	Fast determination of ¹³ C NMR chemical shifts using artificial neural networks. 2000 , 40, 1169-76		55
875	Improved quantitative structure property relationships for the prediction of dielectric constants for a set of diverse compounds by subsetting of the data set. 2000 , 40, 1253-61		14
874	Rapid optimization and minimal complexity in computational neural network multivariate calibration of chlorinated hydrocarbons using Raman spectroscopy. 2001 , 15, 29-48		8
873	Evaluation of Equilibria with Use of Artificial Neural Networks (ANN). II. ANN and Experimental Design as a Tool in Electrochemical Data Evaluation for Fully Dynamic (Labile) Metal Complexes. 2001 , 13, 295-308		10
872	Simultaneous determination of relative humidity and ammonia in air employing an optical fibre sensor and artificial neural network. 2001 , 74, 60-68		61
871	Identification of scrapie infection from blood serum by Fourier transform infrared spectroscopy. 2002 , 74, 3865-8		63
870	Tests on co-firing of municipal solid waste and coal in a circulating fluidized bed. 2002 , 43, 2189-2199		36
869	DETERMINATION OF NATURAL FREQUENCIES AND STABILITY REGIONS OF AXIALLY MOVING BEAMS USING ARTIFICIAL NEURAL NETWORKS METHOD. 2002 , 252, 782-789		47
868	Genetic training of network using chaos concept: application to QSAR studies of vibration modes of tetrahedral halides. 2002 , 23, 1357-65		18
867	Application of generalized artificial neural networks coupled with an orthogonal design to optimization of a system for the kinetic spectrophotometric determination of Hg(II). 2002 , 469, 303-310		20

866	A general QSPR treatment for dielectric constants of organic compounds. 2002 , 42, 360-7	31
865	A chaotic approach to maintain the population diversity of genetic algorithm in network training. 2003 , 27, 363-71	27
864	Predicting the heating value of MSW with a feed forward neural network. 2003 , 23, 103-6	58
863	A genetic algorithm based on prepotency evolution using chaotic initiation used for network training. 2003 , 43, 1132-7	2
862	Predictions of Missing Wave Data by Recurrent Neuronets. 2004 , 130, 256-265	42
861	The lifetime of CFC substitutes studied by a network trained with chaotic mapping modified genetic algorithm and DFT calculations. 2004 , 15, 279-92	2
860	Marine litter prediction by artificial intelligence. 2004 , 48, 449-57	21
859	Different approaches to multivariate calibration of nonlinear sensor data. 2004 , 380, 383-96	16
858	Hybridized particle swarm algorithm for adaptive structure training of multilayer feed-forward neural network: QSAR studies of bioactivity of organic compounds. 2004 , 25, 1726-35	35
857	Solubility prediction of anthracene in binary and ternary solvents by artificial neural networks (ANNs). 2004 , 225, 133-139	10
856	Classification of magnetic resonance spectra using parallel randomized feature selection.	4
855	Artificial neural networks associated to calorimetry to preview polymer composition of high solid content emulsion copolymerizations.	
854	QSAR studies on 1-phenylbenzimidazoles as inhibitors of the platelet-derived growth factor. 2005 , 13, 6598-608	22
853	Net analyte signal Artificial neural network (NASANN) model for efficient nonlinear multivariate calibration. 2005 , 535, 275-285	19
852	Artificial Neural Networks Associated to Calorimetric Measurements Used as a Method to Predict Polymer Composition of High Solid Content Emulsion Copolymerizations. 2005 , 290, 485-494	4
851	Prediction of normalized polarity parameter in binary mixed solvent systems using artificial neural networks. 2005 , 43, 239-247	15
850	Toward an optimal procedure for PC-ANN model building: prediction of the carcinogenic activity of a large set of drugs. 2005 , 45, 190-9	55
849	Nonlinear forward problem solution for electrical capacitance tomography using feed-forward neural network. 2006 , 6, 441-449	45

848	Use of artificial neural networks in near-infrared reflectance spectroscopy calibrations for predicting the inclusion percentages of wheat and sunflower meal in compound feedstuffs. 2006 , 60, 1062-9	27
847	QSAR modeling of anti-invasive activity of organic compounds using structural descriptors. 2006 , 14, 6933-9	11
846	Calculation on enantiomeric excess of catalytic asymmetric reactions of diethylzinc addition to aldehydes with topological indices and artificial neural network. 2006 , 258, 191-197	15
845	QSAR study of the enantiomeric excess in asymmetric catalytic reactions with topological indices and an artificial neural network. 2007 , 13, 91-7	3
844	Particle swarm algorithm trained neural network for QSAR studies of inhibitors of platelet-derived growth factor receptor phosphorylation. 2006 , 28, 369-76	18
843	Accurate prediction of the blood-brain partitioning of a large set of solutes using ab initio calculations and genetic neural network modeling. 2006 , 27, 1125-35	37
842	A nonlinear image reconstruction technique for ECT using a combined neural network approach. 2006 , 17, 2097-2103	99
841	Artificial Neural Networks and Their use in Chemistry. 2007 , 53-140	11
840	Chapter 30 Potentiometric electronic tongues applied in ion multidetermination. 2007 , 721-753	7
839	Determination of paracetamol and orphenadrine citrate in pharmaceutical tablets by modeling of spectrophotometric data using partial least-squares and artificial neural networks. 2007 , 127, 1723-9	7
838	Calibration of a Sensor Array (an Electronic Tongue) for Identification and Quantification of Odorants from Livestock Buildings. 2007 , 7, 103-128	11
837	Support vector machine based training of multilayer feedforward neural networks as optimized by particle swarm algorithm: application in QSAR studies of bioactivity of organic compounds. 2007 , 28, 519-27	11
836	Quantitative Structure Property Relations (QSPR) for Predicting Molar Diamagnetic Susceptibilities, χ_m , of Inorganic Compounds. 2007 , 25, 743-750	9
835	The use of artificial neural networks to stratify the length of stay of cardiac patients based on preoperative and initial postoperative factors. 2007 , 40, 211-21	44
834	QSPR modeling of UV absorption intensities. 2007 , 21, 371-7	10
833	Dual-Genic Hybridization Sensor Employing Electrochemical Impedance Spectroscopy. 2008 , 20, 941-948	13
832	Co-combustion of Municipal Solid Waste and Coal in a Circulating Fluidized Bed. 2008 , 10, 639-646	2
831	Prediction of the pH and the temperature-dependent swelling behavior of Ca ²⁺ -alginate hydrogels by artificial neural networks. 2008 , 63, 2913-2919	27

830	Learning of Robotic Assembly based on Specially Adjustable Vibrations Parameters. 2008,	
829	Model reduction technique for mechanical behaviour modelling: Efficiency criteria and validity domain assessment. 2008, 222, 493-505	8
828	Product design model for impact toughness estimation in steel plate manufacturing. 2008,	
827	Utilizing artificial neural networks in MATLAB to achieve parts-per-billion mass measurement accuracy with a fourier transform ion cyclotron resonance mass spectrometer. 2009, 20, 1303-10	10
826	QSPR studies on normal boiling points and molar refractivities of organic compounds by correlation-ranking-based PCR and PCANN analyses of new topological indices. 2009, 87, 1593-1604	4
825	Chapter 5:Multivariate Regression using Artificial Neural Networks. 2009, 244-283	0
824	Artificial neural networks based on principal component analysis, fuzzy systems and fuzzy neural networks for preliminary design of rubble mound breakwaters. 2010, 32, 425-433	42
823	Comparisons of element yield rate prediction using feed-forward neural networks and support vector machine. 2010,	
822	Modelling of Charpy V test rejection probability. 2010, 37, 35-40	4
821	Artificial Neural Networks in water analysis: Theory and applications. 2010, 90, 85-105	16
820	Prediction of Tuned Liquid Damper Damping Force Based on Back Propagation Neural Network. 2010,	
819	Neural network modeling of fabrication yield using manufacturing data. 2011,	2
818	Optimal Search Strategy of Robotic Assembly Based on Neural Vibration Learning. 2011, 2011, 1-9	2
817	A comparison study of pattern recognition algorithms implemented on a microcontroller for use in an electronic tongue for monitoring drinking waters. 2011, 172, 570-582	37
816	. 2011, 60, 404-414	15
815	Neural Network Modeling for Advanced Process Control Using Production Data. 2011, 24, 182-189	15
814	A Feature-Based Solution to Forward Problem in Electrical Capacitance Tomography of Conductive Materials. 2011, 60, 430-441	12
813	New automated detection method of OSA based on artificial neural networks using P-wave shape and time changes. 2011, 35, 723-34	6

812	Exploring nonlinear relationships in chemical data using kernel-based methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011 , 107, 106-115	3.8	69
811	Diesel Oil Quality Parameter Determinations Using Support Vector Regression and near Infrared Spectroscopy for Hydrotreating Feedstock Monitoring. 2012 , 20, 419-425		15
810	Quantitative structure-activity relationships study of tyrosinase inhibitors using logistic regression and artificial neural networks. 2012 , 9, 643-653		2
809	Enhancing Sales Forecasting by Using Neuro Networks and the Popularity of Magazine Article Titles. 2012 ,		2
808	Nondestructive Estimation of Total Free Amino Acid in Green Tea by Near Infrared Spectroscopy and Artificial Neural Networks. 2012 , 43-53		3
807	Fault detection and diagnosis of induction motors based on hidden Markov model. 2012 ,		27
806	Detection and Diagnosis of Faults in Induction Motor Using an Improved Artificial Ant Clustering Technique. 2013 , 60, 4053-4062		170
805	Characterization of Slovenian coal and estimation of coal heating value based on proximate analysis using regression and artificial neural networks. 2013 , 11, 1481-1491		6
804	Options for Prognostics Methods: A review of data-driven and physics-based prognostics. 2013 ,		20
803	Development and validation of a general approach to predict and quantify the synergism of anti-cancer drugs using experimental design and artificial neural networks. 2013 , 115, 84-93		24
802	Biodiesel content determination in diesel fuel blends using near infrared (NIR) spectroscopy and support vector machines (SVM). 2013 , 104, 155-61		74
801	Cognitive vertical handover engine for vehicular communication. 2013 , 6, 305-324		10
800	Understanding the patterns of car travel. 2013 , 215, 61-73		60
799	Kinesthetic teaching of visuomotor coordination for pointing by the humanoid robot iCub. 2013 , 112, 179-188		8
798	A neural network approach to predicting price negotiation outcomes in business-to-business contexts. 2013 , 40, 3028-3035		31
797	Cross-column prediction of gas-chromatographic retention of polybrominated diphenyl ethers. 2013 , 1298, 118-31		20
796	Prediction of compressional wave velocity by an artificial neural network using some conventional well logs in a carbonate reservoir. 2013 , 10,		11
795	The solubility modelling of non-polar gases in polar and non-polar solvent based on scaled particle theory by artificial neural network. 2013 , 51, 494-506		3

794	Testing the applicability of neural networks as a gap-filling method using CH ₄ flux data from high latitude wetlands. 2013 , 10, 8185-8200	66
793	Single- versus Multiobjective Optimization for Evolution of Neural Controllers in Ms. Pac-Man. 2013 , 2013, 1-7	4
792	Modeling Slump of Ready Mix Concrete Using Genetically Evolved Artificial Neural Networks. 2014 , 2014, 1-9	7
791	Evaluation models for soil nutrient based on support vector machine and artificial neural networks. 2014 , 2014, 478569	14
790	Classification of hand movement imagery tasks for brain machine interface using feed-forward network. 2014 ,	3
789	Applications of neural networks for control of a double inverted pendulum. 2014 ,	2
788	Application Specific Electronic Nose (ASEN) for Ganoderma boninense detection using artificial neural network. 2014 ,	4
787	A low cost data acquisition system from digital display instruments employing image processing technique. 2014 ,	3
786	Machine learning identification of diabetic retinopathy from fundus images. 2014 ,	13
785	Intelligent maximum power extraction control for wind energy conversion systems based on online Q-learning with function approximation. 2014 ,	6
784	A Global Surface Ocean fCO ₂ Climatology Based on a Feed-Forward Neural Network. 2014 , 31, 1838-1849	42
783	General videogame learning with neural-evolution. 2014 ,	
782	Assessment of knee joint abnormality using Acoustic Emission sensors. 2014 ,	3
781	Prediction of the retention of s-triazines in reversed-phase high-performance liquid chromatography under linear gradient-elution conditions. 2014 , 37, 1930-6	20
780	Results uncertainty of support vector machine and hybrid of wavelet transform-support vector machine models for solid waste generation forecasting. 2014 , 33, 220-228	33
779	Neural predictive control for single-speed ground source heat pumps connected to a floor heating system for typical French dwelling. 2014 , 35, 182-197	13
778	Swarm intelligence and neural network for data classification. 2014 ,	6
777	Understanding and predicting the motivators of mobile music acceptance A multi-stage MRA-artificial neural network approach. 2014 , 31, 569-584	146

776	Trend mining for system reliability employing a novel heuristic-based Kriging profiling method. 2014 , 38, 4849-4862		3
775	Effect of self-absorption correction on LIBS measurements by calibration curve and artificial neural network. 2014 , 114, 591-600		27
774	Copula entropy coupled with artificial neural network for rainfall runoff simulation. 2014 , 28, 1755-1767		41
773	Hybrid artificial neural network for prediction and control of process variables in food extrusion. 2014 , 21, 142-150		14
772	. 2014 ,		3
771	Analytical modeling and simulation of I _V characteristics in carbon nanotube based gas sensors using ANN and SVR methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014 , 137, 173-180	3.8	16
770	An analytical model and ANN simulation for carbon nanotube based ammonium gas sensors. 2014 , 4, 36896-36904		11
769	Cross-validation based weights and structure determination of Chebyshev-polynomial neural networks for pattern classification. 2014 , 47, 3414-3428		44
768	Cross-column prediction of gas-chromatographic retention indices of saturated esters. 2014 , 1355, 269-77		9
767	Determination of Chinese liquors from different geographic origins by combination of mass spectrometry and chemometric technique. 2014 , 35, 153-158		47
766	Statistical Aspects in Neural Network for the Purpose of Prognostics. 2014 ,		
765	Modeling, simulation and adaptive process control of biotechnological processes in decentralized anaerobic treatment of domestic wastewater. 2014 , 14, 893-894		0
764	Analytical Modeling and Artificial Neural Network (ANN) Simulation of Current-Voltage Characteristics in Graphene Nanoscroll Based Gas Sensors. 2015 , 10, 1713-1722		2
763	Optimal selection of factors using Genetic Algorithms and Neural Networks for the prediction of students' academic performance. 2015 ,		5
762	Traditional house recognition. 2015 ,		0
761	Novel Method for Measuring the Heat Collection Rate and Heat Loss Coefficient of Water-in-Glass Evacuated Tube Solar Water Heaters Based on Artificial Neural Networks and Support Vector Machine. 2015 , 8, 8814-8834		27
760	Artificial Neural Networks-Based Software for Measuring Heat Collection Rate and Heat Loss Coefficient of Water-in-Glass Evacuated Tube Solar Water Heaters. 2015 , 10, e0143624		11
759	Focus-independent particle size measurement from streak images: a comparison of multivariate methods. 2015 , 140, 1578-89		

758	Gaussian weighted neighborhood connectivity of nonlinear line attractor for learning complex manifolds. 2015,	
757	User-friendly optimization approach of fed-batch fermentation conditions for the production of iturin A using artificial neural networks and support vector machine. 2015, 18, 273-280	23
756	Evolutionary Neural Network Based Energy Consumption Forecast for Cloud Computing. 2015,	10
755	Risk of Voltage Collapse Using Multi-Layer Feed-Forward Neural Network and Generalized Regression Neural Network. 2015, 793, 483-488	
754	Forecasting traffic-related nitrogen oxides within a street canyon by combining a genetic algorithm-back propagation artificial neural network and parametric models. 2015, 6, 1087-1097	7
753	The effects of convenience and speed in m-payment. 2015, 115, 311-331	182
752	Prediction carbon dioxide solubility in presence of various ionic liquids using computational intelligence approaches. 2015, 98, 50-64	153
751	Applications of artificial neural networks for thermal analysis of heat exchangers [A review]. 2015, 90, 150-172	172
750	Comparing the performance of multispectral vegetation indices and machine-learning algorithms for remote estimation of chlorophyll content: a case study in the Sundarbans mangrove forest. 2015, 36, 3114-3133	15
749	A Predictive Business Ranking System: For Local Businesses. 2015, 45, 770-779	1
748	Predicting program phases and defending against side-channel attacks using hardware performance counters. 2015,	11
747	Modeling and kinetics study of acid anthraquinone oxidation using ozone: energy consumption analysis. 2015, 17, 2431-2439	14
746	Artificial neural network prediction of multilinear gradient retention in reversed-phase HPLC: comprehensive QSRR-based models combining categorical or structural solute descriptors and gradient profile parameters. 2015, 407, 1181-90	25
745	Statistical aspects in neural network for the purpose of prognostics. 2015, 29, 1369-1375	7
744	Simulation, evaluation and prediction modeling of river water quality properties (case study: Ireland Rivers). 2015, 12, 3235-3242	25
743	Applying Artificial Neural Networks for Measuring and Predicting Construction-Labor Productivity. 2015, 141, 04015032	57
742	The use of neural network to estimate mass transfer coefficient from the bottom of agitated vessel. 2015, 51, 465-475	1
741	Optimization of modular granular neural networks using a hierarchical genetic algorithm based on the database complexity applied to human recognition. 2015, 309, 73-101	42

740	Ammonium estimation in an ANAMMOX SBR treating anaerobically digested domestic wastewater. 2015 , 130, 109-119	7
739	Optimisation of temperature-programmed gas chromatographic separation of organochloride pesticides by response surface methodology. 2015 , 1423, 149-57	7
738	Modeling total solar irradiance from PMOD composite using feed-forward neural networks. 2015 , 135, 64-71	4
737	Domestic demand predictions considering influence of external environmental parameters. 2015 ,	2
736	The Impact of Bio-Inspired Approaches Toward the Advancement of Face Recognition. 2015 , 48, 1-33	12
735	Application of Principal Component Analysis to EUV multilayer defect printing. 2015 ,	1
734	Chaotic eye-based fault forecasting method for wind power systems. 2015 , 9, 593-599	13
733	A neural network approach to measure real activities manipulation. 2015 , 42, 2313-2322	5
732	A simulation optimization approach for flow-shop scheduling problem: a canned fruit industry. 2015 , 77, 751-761	5
731	Modeling slump of ready mix concrete using genetic algorithms assisted training of Artificial Neural Networks. 2015 , 42, 885-893	127
730	Practical options for selecting data-driven or physics-based prognostics algorithms with reviews. 2015 , 133, 223-236	214
729	Rice and the Electronic Nose. 2016 , 103-113	0
728	Risk-Limiting Scheduling of Optimal Non-Renewable Power Generation for Systems with Uncertain Power Generation and Load Demand. 2016 , 9, 868	1
727	Comparative Study on Theoretical and Machine Learning Methods for Acquiring Compressed Liquid Densities of 1,1,1,2,3,3,3-Heptafluoropropane (R227ea) via Song and Mason Equation, Support Vector Machine, and Artificial Neural Networks. 2016 , 6, 25	22
726	Classifying Four Carbon Fiber Fabrics via Machine Learning: A Comparative Study Using ANNs and SVM. 2016 , 6, 209	13
725	Modeling of commercial proton exchange membrane fuel cell using support vector machine. 2016 , 41, 11351-11358	29
724	Reducing the Effect of Inaccurate Lane Identification on PP69-10-Based Rut Characterization. 2016 , 22, 04015009	2
723	A mathematical method and artificial neural network modeling to simulate osmosis membrane performance. 2016 , 2, 1-11	11

722	Texture image classification with discriminative neural networks. 2016 , 2, 367-377	17
721	Wavelet coherence based channel selection for classifying single trial motor imagery. 2016 ,	1
720	Malaysia solar energy experience: Intelligent fault location algorithm for unbalanced radial distribution network including PV systems. 2016 , 8, 045503	
719	Hybrid Hierarchical Clustering \cap Piecewise Aggregate Approximation, with Applications. 2016 , 15, 1650019	4
718	Traffic accident reconstruction and an approach for prediction of fault rates using artificial neural networks: A case study in Turkey. 2016 , 17, 585-9	7
717	Artificial Neural Network Based Model for Forecasting of Inflation in IndiaPeer review under responsibility of Fuzzy Information and Engineering Branch of the Operations Research Society of China.. 2016 , 8, 87-100	18
716	Robust segmentation and intelligent decision system for cerebrovascular disease. 2016 , 54, 1903-1920	3
715	Application of artificial neural networks and mathematical modeling for the prediction of water quality variables (case study: southwest of Iran). 2016 , 57, 27073-27084	15
714	Chemometrics and the identification of counterfeit medicines-A review. 2016 , 127, 112-22	26
713	Neural network modeling and model predictive control of ionic electroactive polymer actuators. 2016 ,	
712	Mobile technology acceptance model: An investigation using mobile users to explore smartphone credit card. 2016 , 59, 33-46	221
711	Absorptive capacity and business model innovation as rapid development strategies for regional growth. 2016 , 75, 157-202	6
710	Signer-independence finger alphabet recognition using discrete wavelet transform and area level run lengths. 2016 , 38, 658-677	14
709	Hysteresis compensation of the piezoelectric ceramic actuatorsBased tip/tilt mirror with a neural network method in adaptive optics. 2016 , 55, 054107	2
708	Deep learning in bioinformatics. 2017 , 18, 851-869	544
707	Feed-forward neural network model for hunger and satiety related VAS score prediction. 2016 , 13, 17	7
706	Modeling the adsorption of benzeneacetic acid on CaO ₂ nanoparticles using artificial neural network. 2016 , 2, S53-S62	11
705	The energy conversion efficiency comparison between ordered and disordered structures in two dimensional semiconductor solar cell: The kinetic Monte Carlo simulation. 2016 , 175, 236-246	

704	Fatigue strength prediction in composite materials of wind turbine blades under dry/wet conditions: An artificial neural network approach. 2016 , 40, 189-198	3
703	Application of neural networks modeling to environmentally global climate change at San Joaquin Old River Station. 2016 , 2, 1	4
702	Using artificial neural networks to forecast economic impact of multi-hazard hurricane-based events. 2016 , 1, 63-83	12
701	Extreme ultraviolet multilayer defect analysis and geometry reconstruction. 2016 , 15, 014002	2
700	An Adaptive Network-Based Reinforcement Learning Method for MPPT Control of PMSG Wind Energy Conversion Systems. 2016 , 31, 7837-7848	113
699	Parkinson's disease hand tremor detection system for mobile application. 2016 , 40, 127-34	25
698	Evolving machine learning models to predict hydrogen sulfide solubility in the presence of various ionic liquids. 2016 , 216, 411-422	59
697	Development of an instrumentation system for measurement of degradation of lubricating oil using optical fiber sensor. 2016 , 27, 1-7	2
696	Application of artificial neural networks to estimating DO and salinity in San Joaquin River basin. 2016 , 57, 4888-4897	15
695	Heuristic techniques to optimize neural network architecture in manufacturing applications. 2016 , 27, 2001-2015	12
694	Two Machine Learning Approaches for Short-Term Wind Speed Time-Series Prediction. 2016 , 27, 1734-47	85
693	Predicting tanker freight rates using parsimonious variables and a hybrid artificial neural network with an adaptive genetic algorithm. 2017 , 19, 538-550	19
692	Reconciliation of outliers in CO ₂ -alkanolamine-H ₂ O datasets by robust neural network winsorization. 2017 , 28, 2621-2632	8
691	Effect of time-controlled MQL pulsing on surface roughness in hard turning by statistical analysis and artificial neural network. 2017 , 91, 3211-3223	63
690	Implementing ANN to minimize sewage systems concrete corrosion with glass beads substitution. 2017 , 138, 441-454	16
689	Computation of Stresses in Concrete Gravity Dam Under Seismic Loading Through ANN and FEM. 2017 , 173, 1779-1783	1
688	Quantification of the response of global terrestrial net primary production to multifactor global change. 2017 , 76, 245-255	23
687	Image correction for cone-beam computed tomography simulator using neural network corrector. 2017 , 9, 168781401769047	

686	Artificial neural network for bioprocess monitoring based on fluorescence measurements: Training without offline measurements. 2017 , 17, 874-880	9
685	The application of artificial intelligence in public administration for forecasting high crime risk transportation areas in urban environment. 2017 , 24, 467-473	56
684	Extreme learning machines for credit scoring: An empirical evaluation. 2017 , 86, 42-53	69
683	Robust predictive models for estimating frost deposition on horizontal and parallel surfaces. 2017 , 80, 225-237	25
682	Development of an advection model for solar forecasting based on ground data first report: Development and verification of a fundamental model. 2017 , 153, 414-434	13
681	Forecast of wheat yield throughout the agricultural season using optical and radar satellite images. 2017 , 59, 147-156	12
680	Predicting fraudulent financial reporting using artificial neural network. 2017 , 24, 362-387	15
679	Prediction of airborne nanoparticles at roadside location using a feedforward artificial neural network. 2017 , 8, 446-454	16
678	Estimation of corn yield using multi-temporal optical and radar satellite data and artificial neural networks. 2017 , 57, 14-23	54
677	Self-Learning RF Receiver Systems: Process Aware Real-Time Adaptation to Channel Conditions for Low Power Operation. 2017 , 64, 195-207	16
676	Ethanol quantification in pineapple waste by an electrochemical impedance spectroscopy-based system and artificial neural networks. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017 , 161, 1-7	3.8 8
675	Design of high-performance water-in-glass evacuated tube solar water heaters by a high-throughput screening based on machine learning: A combined modeling and experimental study. 2017 , 142, 61-67	123
674	Artificial Neural Network for Probabilistic Feature Recognition in Liquid Chromatography Coupled to High-Resolution Mass Spectrometry. 2017 , 89, 1212-1221	20
673	A neural network modeling and sliding mode control of self-sensing ionic polymer-metal composite actuator. 2017 , 28, 3163-3174	2
672	Benchmarking support vector regression against partial least squares regression and artificial neural network: Effect of sample size on model performance. 2017 , 25, 381-390	23
671	The feed forward neural network model for liquid-liquid extraction and separation of cobalt (II) from sodium acetate media using cyanex 272. 2017 ,	
670	Inside the Black-Box of Innovation—Translating R&D outlays into economic and employment growth. 2017 , 45, 37-53	2
669	A Review of Deep Learning Architectures and Their Application. 2017 , 83-94	3

668	Diagnosis. 2017 , 235-310	3
667	A novel privacy preserving user identification approach for network traffic. 2017 , 70, 335-350	12
666	A Comparison Among ARIMA, BP-NN, and MOGA-NN for Software Clone Evolution Prediction. 2017 , 5, 11841-11851	21
665	Global and Local Feature Learning for Ego-Network Analysis. 2017 ,	2
664	Assessing the suitability of data from Sentinel-1A and 2A for crop classification. 2017 , 54, 918-938	79
663	Lossy image compression based on prediction error and vector quantisation. 2017 , 2017,	13
662	. 2017 ,	
661	Data-Driven Prognostics. 2017 , 179-241	2
660	A generic hybrid model development for process analysis of industrial fixed-bed catalytic reactors. 2017 , 117, 149-167	22
659	A proposed framework for prediction of pulse, based on the effect of surya namaskar on different prakruti at different prahars of the day. 2017 ,	1
658	FEM-based training of artificial neural networks for modular soft robots. 2017 ,	15
657	. 2017 ,	0
656	A hybrid method to determine the short-circuit location on medium-voltage network: Simulation and measurement. 2017 ,	
655	Neural network delayed control of an idealized offshore steel jacket platform. 2017 ,	1
654	Using Deep Learning Techniques to Forecast Environmental Consumption Level. 2017 , 9, 1894	10
653	Quick Estimation Model for the Concentration of Indoor Airborne Culturable Bacteria: An Application of Machine Learning. 2017 , 14,	29
652	Investigating the impact of feature selection on the prediction of solar radiation in different locations in Saudi Arabia. 2018 , 66, 250-263	21
651	Feed-forward and generalised regression neural networks in modelling feeding behaviour of pigs in the grow-finish phase. 2018 , 173, 124-133	19

650	Deep Learning Techniques for Polarity Classification in Multimodal Sentiment Analysis. 2018 , 17, 883-910	9
649	Real-Time Multilead Convolutional Neural Network for Myocardial Infarction Detection. 2018 , 22, 1434-1444	77
648	Evidence of Variabilities in EEG Dynamics During Motor Imagery-Based Multiclass Brain-Computer Interface. 2018 , 26, 371-382	30
647	Investigation of an efficient shape optimization procedure for centrifugal pump impeller using eagle strategy algorithm and ANN (case study: slurry flow). 2018 , 58, 459-473	16
646	Generalized backpropagation algorithm for training second-order neural networks. 2018 , 34, e2956	10
645	Robust ensemble learning framework for day-ahead forecasting of household based energy consumption. 2018 , 212, 997-1012	61
644	VITAL-ECG: A portable wearable hospital. 2018 ,	13
643	Quality assessment and artificial neural networks modeling for characterization of chemical and physical parameters of potable water. 2018 , 118, 212-219	30
642	Supervised cognitive system: A new vision for cognitive engine design in wireless networks. 2018 ,	
641	A novel host intrusion detection system using neural network. 2018 ,	4
640	Vision-based hand gesture recognition of alphabets, numbers, arithmetic operators and ASCII characters in order to develop a virtual text-entry interface system. 2018 , 29, 117-135	15
639	Improved monarch butterfly optimization for unconstrained global search and neural network training. 2018 , 48, 445-464	66
638	Product image classification using Eigen Colour feature with ensemble machine learning. 2018 , 19, 83-100	9
637	Supervised learning methods for pathological arterial pulse wave differentiation: A SVM and neural networks approach. 2018 , 109, 30-38	27
636	Adequacy assessment of a wind-integrated system using neural network-based interval predictions of wind power generation and load. 2018 , 95, 213-226	28
635	A hybrid deep learning CNN+LM for age and gender classification. 2018 , 275, 448-461	118
634	Computational Intelligence-Assisted Understanding of Nature-Inspired Superhydrophobic Behavior. 2018 , 5, 1700520	16
633	Fuzzy wavelet extreme learning machine. 2018 , 342, 90-108	12

632	Identification of human circadian genes based on time course gene expression profiles by using a deep learning method. 2018 , 1864, 2274-2283	9
631	Early Bill-of-Quantities Estimation of Concrete Road Bridges: An Artificial Intelligence-Based Application. 2018 , 23, 127-149	7
630	An Efficient Multi-layer Ensemble Framework with BPSOGSA-Based Feature Selection for Credit Scoring Data Analysis. 2018 , 43, 6909-6928	27
629	A New Conjugate Gradient Method with Smoothing ($L_{\{1/2\}}$) Regularization Based on a Modified Secant Equation for Training Neural Networks. 2018 , 48, 955-978	5
628	A Deep Neural Network Approach for Crop Selection and Yield Prediction in Bangladesh. 2018 ,	11
627	A Deep Learning Method for Passing Completely Automated Public Turing Test. 2018 ,	2
626	Assessing the accuracy of RC design code predictions through the use of artificial neural networks. 2018 , 10, 349-365	12
625	The Use of Unmanned Aerial Systems to Map Intertidal Sediment. 2018 , 10, 1918	10
624	Air Data Sensor Fault Detection with an Augmented Floating Limiter. 2018 , 2018, 1-16	11
623	A Survey on Data Imputation Techniques: Water Distribution System as a Use Case. 2018 , 6, 63279-63291	29
622	Target Aspect Identification in SAR Image: A Machine Learning Approach. 2018 ,	1
621	Unfold income myth: Revolution in income models with advanced machine learning techniques for better accuracy1. 2018 , 13, 319-327	1
620	Neural Networks Assist Crowd Predictions in Discerning the Veracity of Emotional Expressions. 2018 , 205-216	2
619	Optimization and control of a thin film growth process: A hybrid first principles/artificial neural network based multiscale modelling approach. 2018 , 119, 465-479	51
618	Prediction of drought-induced reduction of agricultural productivity in Chile from MODIS, rainfall estimates, and climate oscillation indices. 2018 , 219, 15-30	39
617	Comparative Study for Optimization of Pharmaceutical Self-Emulsifying Pre-concentrate by Design of Experiment and Artificial Neural Network. 2018 , 19, 3311-3321	10
616	An SVM approach for identifying atrial fibrillation. 2018 , 39, 094007	13
615	Quantifying impacts of crop residue burning in the North China Plain on summertime tropospheric ozone over East Asia. 2018 , 194, 14-30	3

614	Predicting electricity consumption in a building using an optimized back-propagation and Levenberg-Marquardt back-propagation neural network: Case study of a shopping mall in China. 2018 , 42, 176-183	64
613	Prediction of Compressive Strength of Concrete in Wet-Dry Environment by BP Artificial Neural Networks. 2018 , 2018, 1-11	16
612	Prediction of remaining useful life under different conditions using accelerated life testing data. 2018 , 32, 2497-2507	17
611	Spatial Sequential Recurrent Neural Network for Hyperspectral Image Classification. 2018 , 11, 4141-4155	60
610	In situ 3-D temperature mapping of high average power cryogenic laser amplifiers. 2018 , 26, 5240-5252	6
609	UHPLC Analysis of Saffron (L.): Optimization of Separation Using Chemometrics and Detection of Minor Crocetin Esters. 2018 , 23,	17
608	Modelling and Control of Ionic Electroactive Polymer Actuators under Varying Humidity Conditions. 2018 , 7, 7	9
607	ANN Classification of MS Subgroups with Diffusion Limited Aggregation. 2018 , 121-136	4
606	Model-based evolutionary algorithms: a short survey. 2018 , 4, 283-292	39
605	Short-term water demand forecasting using machine learning techniques. 2018 , 20, 1343-1366	16
604	Artificial neural networks for impact force reconstruction on composite plates and relevant uncertainty propagation. 2018 , 33, 38-47	11
603	Pipeline Leak Detection Swimming Robot Design and Deployment. 2018 ,	2
602	Deep Learning for IoT Big Data and Streaming Analytics: A Survey. 2018 , 20, 2923-2960	574
601	An efficient Concealed Information Test: EEG feature extraction and ensemble classification for lie identification. 2019 , 30, 813-832	7
600	Flood Forecasting Using Copula Entropy Method. 2019 , 237-271	
599	Robust optimal design of zero/low energy buildings considering uncertainties and the impacts of objective functions. 2019 , 254, 113683	10
598	TAAWUN: a Decision Fusion and Feature Specific Road Detection Approach for Connected Autonomous Vehicles. 2019 , 1	17
597	Evolutionary Design of Recurrent Neural Network Architecture for Human Activity Recognition. 2019 ,	4

596	Wavelet Entropy-Based Inter-subject Associative Cortical Source Localization for Sensorimotor BCI. 2019 , 13, 47	6
595	Methods for the Identification of Microclimates for Olive Fruit Fly. 2019 , 9, 337	1
594	Nonlinear model predictive control of a multiscale thin film deposition process using artificial neural networks. 2019 , 207, 1230-1245	28
593	Search for Highly Ionizing Particles with the Pixel Detector at Belle II. 2019 , 212, 06003	
592	Performance of LEMMO with artificial neural networks for water systems optimisation. 2019 , 16, 21-32	5
591	Inferring the dynamics of oscillatory systems using recurrent neural networks. 2019 , 29, 063128	8
590	Study of the chemical composition of <i>Urochloa brizantha</i> using the SPAD index, neural networks, multiple linear models, principal components and cluster analysis. 2019 , 258, 114307	0
589	A Novel Virtual Sample Generation Method to Overcome the Small Sample Size Problem in Computer Aided Medical Diagnosing. 2019 , 12, 160	6
588	Automated classification of metamorphosed coal from geophysical log data using supervised machine learning techniques. 2019 , 214, 103284	12
587	Combining ASNARO-2 XSAR HH and Sentinel-1 C-SAR VH/VV Polarization Data for Improved Crop Mapping. 2019 , 11, 1920	11
586	FnnmOS-ELM: A Flexible Neural Network Mixed Online Sequential Elm. 2019 , 9, 3772	
585	A closed-loop voltage prognosis for lithium-ion batteries under dynamic loads using an improved equivalent circuit model. 2019 , 100-101, 113459	3
584	Electricity Theft Detection in Power Grids with Deep Learning and Random Forests. 2019 , 2019, 1-12	53
583	Robust SAR Automatic Target Recognition Based on Transferred MS-CNN with L-Regularization. 2019 , 2019, 9140167	5
582	. 2019 , 7, 158820-158846	86
581	Wavelet Transforms and Neural Network for medical diagnosis. 2019 ,	0
580	Plasmonic nanoparticle simulations and inverse design using machine learning. 2019 , 11, 17444-17459	41
579	Estimation of nonlinear airship parameters using modular neural network. 2019 ,	0

578	Method for Classification of Snowflakes Based on Images by a Multi-Angle Snowflake Camera Using Convolutional Neural Networks. 2019 , 36, 2267-2282	10
577	Estimation of biomass higher heating value (HHV) based on the proximate analysis: Smart modeling and correlation. 2019 , 257, 115931	32
576	Short-term nonlinear autoregressive photovoltaic power forecasting using statistical learning approaches and in-situ observations. 2019 , 10, 189-206	16
575	Market segmentation and travel choice prediction in Spa hotels through TripAdvisor® online reviews. 2019 , 80, 52-77	96
574	Analysis of cold compaction for Fe-C, Fe-C-Cu powder design based on constitutive relation and artificial neural networks. 2019 , 353, 330-344	7
573	Edge Intelligence: Paving the Last Mile of Artificial Intelligence With Edge Computing. 2019 , 107, 1738-1762	539
572	Learning about risk: Machine learning for risk assessment. 2019 , 118, 475-486	78
571	Neural Networks Are Promising Tools for the Prediction of the Viscosity of Unsaturated Polyester Resins. 2019 , 7, 375	12
570	A Fusion Mechanism for Management Decision and Risk Analysis. 2019 , 50, 497-515	8
569	Machine Learning Overview. 2019 , 19-75	
568	Parcel-Based Crop Classification Using Multi-Temporal TerraSAR-X Dual Polarimetric Data. 2019 , 11, 1148	23
567	A Synergistic Concealed Information Test With Novel Approach for EEG Channel Selection and SVM Parameter Optimization. 2019 , 14, 3057-3068	5
566	Face Liveness Detection Using Thermal Face-CNN with External Knowledge. 2019 , 11, 360	13
565	Prediction of CO ₂ absorption by physical solvents using a chemoinformatics-based machine learning model. 2019 , 17, 1397-1404	28
564	Exploiting intra-day patterns for market shock prediction: A machine learning approach. 2019 , 127, 272-281	11
563	Vehicle energy consumption estimation using large scale simulations and machine learning methods. 2019 , 101, 276-296	10
562	A novel hybrid credit scoring model based on ensemble feature selection and multilayer ensemble classification. 2019 , 35, 371-394	32
561	Microscopic modeling and optimal operation of thermal atomic layer deposition. 2019 , 145, 159-172	17

560	Early anticipation of driver's maneuver in semiautonomous vehicles using deep learning. 2019 , 8, 293-305	6
559	Artificial Neural Network Prediction of Retention of Amino Acids in Reversed-Phase HPLC under Application of Linear Organic Modifier Gradients and/or pH Gradients. 2019 , 24,	6
558	Measuring the importance of context when modeling language comprehension. 2019 , 51, 480-492	3
557	An Inductive Content-Augmented Network Embedding Model for Edge Artificial Intelligence. 2019 , 15, 4295-4305	6
556	MetaPheno: A critical evaluation of deep learning and machine learning in metagenome-based disease prediction. 2019 , 166, 74-82	39
555	Modeling the Automatic Voltage Regulator (AVR) Using Artificial Neural Network. 2019 ,	0
554	Generation of Human-Like Movements Based on Environmental Features. 2019 ,	0
553	Pilot Study of Early Meal Onset Detection from Abdominal Sounds. 2019 ,	0
552	Use of Artificial Neural Network in the Estimation of Detonation Velocity for Tetranitromethane-Nitrobenzene Mixture. 2019 ,	0
551	Estimating truck fuel consumption with machine learning using telematics, topology and weather data. 2019 ,	5
550	Evolution of IoT & Data Analytics using Deep Learning. 2019 ,	18
549	Subscriber Gender Prediction in Telecom Using Deep Learning. 2019 ,	0
548	A survey on hyper basis function neural networks. 2019 , 7, 495-507	0
547	Harvestable Black Pepper Recognition Using Computer Vision. 2019 ,	0
546	Accelerating RNN on FPGA with Efficient Conversion of High-Level Designs to RTL. 2019 ,	0
545	Teaching Style Recommender using Machine Learning. 2019 ,	1
544	Effects of Degree Distribution on Signal Propagation in the Heterogeneous Feedforward Neural Network. 2019 ,	0
543	Identification of hyperparameters with high effects on performance of deep neural networks: application to clinicopathological data of ovarian cancer. 2019 ,	1

542	Constructing a Comprehensive Events Database from the Web. 2019 ,	5
541	Automated Classification of Metamodel Repositories: A Machine Learning Approach. 2019 ,	15
540	On the diagnosis of idiopathic Parkinson's disease using continuous wavelet transform complex plot. 2019 , 10, 2805-2815	17
539	Neural Network-Based Road Accident Forecasting in Transportation and Public Management. 2019 , 98-103	4
538	An effective EM algorithm for mixtures of Gaussian processes via the MCMC sampling and approximation. 2019 , 331, 366-374	7
537	Soil-biochar-water interactions: Role of biochar from <i>Eichhornia crassipes</i> in influencing crack propagation and suction in unsaturated soils. 2019 , 210, 847-859	37
536	Comparison of two gap-filling techniques for nitrous oxide fluxes from agricultural soil. 2019 , 99, 12-24	9
535	Performance investigation of the cross-flow closed-type heat-source tower using experiments and an adaptive neuro-fuzzy inference system model. 2019 , 183, 340-355	13
534	A top-down approach for semantic segmentation of big remote sensing images. 2019 , 12, 295-306	22
533	Adapting weather conditions based IoT enabled smart irrigation technique in precision agriculture mechanisms. 2019 , 31, 277-292	76
532	Deep learning in omics: a survey and guideline. 2019 , 18, 41-57	68
531	Final Energy Consumption Forecasting by Applying Artificial Intelligence Models. 2019 , 1-10	1
530	SAR image despeckling with a multilayer perceptron neural network. 2019 , 12, 354-374	17
529	A Classification-Based Surrogate-Assisted Evolutionary Algorithm for Expensive Many-Objective Optimization. 2019 , 23, 74-88	134
528	A state of the art review of intelligent scheduling. 2020 , 53, 501-593	30
527	Neural network applications in fault diagnosis and detection: an overview of implementations in engineering-related systems. 2020 , 32, 447-472	28
526	Prioritisation of pavement maintenance sections deploying functional characteristics of pavements. 2020 , 21, 1815-1822	8
525	Deep learning-based breast cancer classification through medical imaging modalities: state of the art and research challenges. 2020 , 53, 1655-1720	46

524	A lightweight ANN based robust localization technique for rapid deployment of autonomous systems. 2020 , 11, 2715-2730	5
523	Computer-aided detection and diagnosis of microcalcification clusters on full field digital mammograms based on deep learning method using neutrosophic boosting. 2020 , 79, 17147-17167	1
522	Devanagari Character Classification Using Capsule Network. 2020 , 1040-1049	0
521	Reappraisal of methods for calculating flexural capacity of reinforced concrete members. 2020 , 173, 279-290	4
520	A plug & play approach for dynamic data acquisition from heterogeneous IoT medical devices of unknown nature. 2020 , 11, 269-289	2
519	Design of sEMG-based clench force estimator in FPGA using artificial neural networks. 2020 , 32, 15813-15823	0
518	Improved Salp Swarm Algorithm with Space Transformation Search for Training Neural Network. 2020 , 45, 2743-2761	27
517	A hybrid model to improve the train running time prediction ability during high-speed railway disruptions. 2020 , 122, 104510	22
516	A machine learning framework for the analysis and prediction of catalytic activity from experimental data. 2020 , 263, 118257	33
515	Nonlinear parameter estimation of airship using modular neural network. 2020 , 124, 409-428	5
514	Economic evaluation of genetic markers for cow-calf operations differentiated by forage type and breed. 2020 , 177, 102712	
513	Impacts of Streamflow and Topographic Changes on Water Level during the Dry Season of Poyang Lake, China. 2020 , 25, 05020001	3
512	A deep learning approach for multi-attribute data: A study of train delay prediction in railway systems. 2020 , 516, 234-253	28
511	Machine-Learning-Based Leakage-Event Identification for Smart Water Supply Systems. 2020 , 7, 2277-2292	17
510	Improving sustainability of ever-changing building spaces affected by users' fickle taste: A focus on human comfort and energy use. 2020 , 208, 109662	15
509	Effects of morphology on the dispersibility of instant whole milk powder. 2020 , 276, 109841	6
508	Prediction of hot ductility of steels from elemental composition and thermal history by deep neural networks. 2020 , 47, 1176-1187	7
507	Monthly pan evaporation modelling using multiple linear regression and artificial neural network techniques. 2020 , 20, 800-808	10

506	Dialysate Decision Support Method Based on Deep Learning. 2020,	
505	Convolutional Neural Networks for Predicting the Strength of the Near-Earth Magnetic Field Caused by Interplanetary Coronal Mass Ejections. 2020, 7,	1
504	A New Data-Driven Approach for Power IGBT Remaining Useful Life Estimation Based On Feature Reduction Technique and Neural Network. 2020, 9, 1571	1
503	PPG-BASED AUTOMATED ESTIMATION OF BLOOD PRESSURE USING PATIENT-SPECIFIC NEURAL NETWORK MODELING. 2020, 20, 2050037	3
502	Functional groups prediction from infrared spectra based on computer-assist approaches. 2020, 159, 105395	4
501	Comparison of Chemometric Problems in Food Analysis Using Non-Linear Methods. 2020, 25,	7
500	A pruning feedforward small-world neural network based on Katz centrality for nonlinear system modeling. 2020, 130, 269-285	2
499	A Hybrid Improved MVO and FNN for Identifying Collected Data Failure in Cluster Heads in WSN. 2020, 8, 124311-124322	14
498	. 2020, 22, 2462-2488	111
497	Microarray cancer feature selection: Review, challenges and research directions. 2020, 1, 78-97	8
496	Spatial Variation in Coastal Dune Evolution in a High Tidal Range Environment. 2020, 12, 3689	6
495	A Novel SNN-ANN based IDS in Cloud Environment. 2020,	0
494	An ensemble approach for CircRNA-disease association prediction based on autoencoder and deep neural network. 2020, 762, 145040	11
493	Modeling train operation as sequences: A study of delay prediction with operation and weather data. 2020, 141, 102022	15
492	lncRNA_Mdeep: An Alignment-Free Predictor for Distinguishing Long Non-Coding RNAs from Protein-Coding Transcripts by Multimodal Deep Learning. 2020, 21,	5
491	Artificial Neural Networks for dynamic optimization of stochastic multiscale systems subject to uncertainty. 2020, 161, 11-25	7
490	Model-Free Optimized Tracking Control Heuristic. 2020, 9, 49	0
489	Artificial Neural Network Discrimination for Parameter Estimation and Optimal Product Design of Thin Films Manufactured by Chemical Vapor Deposition. 2020, 124, 18615-18627	10

488	Research on the long-term and short-term forecasts of navigable river water-level fluctuation based on the adaptive multilayer perceptron. 2020 , 591, 125285	8
487	Development of Artificial Neural Network System to Recommend Process Conditions of Injection Molding for Various Geometries. 2020 , 2, 2000037	7
486	Neural Embedding & Hybrid ML Models for Text Classification. 2020 ,	0
485	Neural Network Control of Teleoperation Systems with Delay and Uncertainties based on Multilayer Perceptron Estimations. 2020 ,	0
484	Edge Intelligence in the Making: Optimization, Deep Learning, and Applications. 2020 , 1, 1-233	3
483	Artificial intelligence techniques in extracting building and tree footprints using aerial imagery and LiDAR data. 2020 , 1-29	1
482	. 2020 ,	33
481	3-D Shape optimization of a Sensor Mounting Arm Using MOGA and MLF. 2020 ,	
480	Automatic 2D Lung Nodule Patch Classification using Deep Neural Networks. 2020 ,	0
479	Solving Partial Differential Equations Using Deep Learning and Physical Constraints. 2020 , 10, 5917	12
478	Artificial Neural Networks Model for Predicting Type 2 Diabetes Mellitus Based on Gene Polymorphism, Lipid Profile and Demographic Data. 2020 , 9,	5
477	Grid neural network to solve voice recognition problems. 2020 ,	
476	Effects of Morphology on the Bulk Density of Instant Whole Milk Powder. 2020 , 9,	7
475	Classification of unknown Internet traffic applications using Multiple Neural Network algorithm. 2020 ,	1
474	IoT security with Deep Learning-based Intrusion Detection Systems: A systematic literature review. 2020 ,	6
473	A Machine Learning Based Approach for Next-Day Photovoltaic Power Forecasting. 2020 ,	
472	Near-term train delay prediction in the Dutch railways network. 2020 , 1-20	5
471	Automatic Classification of Myocardial Infarction Using Spline Representation of Single-Lead Derived Vectorcardiography. 2020 , 20,	3

470	Power IGBT Remaining Useful Life Estimation Using Neural Networks based Feature Reduction. 2020,	1
469	Intelligent Traffic Monitoring Systems for Vehicle Classification: A Survey. 2020, 8, 73340-73358	44
468	Deep Docking: A Deep Learning Platform for Augmentation of Structure Based Drug Discovery. 2020, 6, 939-949	73
467	Calibration of WRF model parameters using multiobjective adaptive surrogate model-based optimization to improve the prediction of the Indian summer monsoon. 2020, 55, 631-650	4
466	Microscopic modeling and optimal operation of plasma enhanced atomic layer deposition. 2020, 159, 439-454	7
465	PM2.5 Concentration Forecasting using Neural Networks for Hotspots of Delhi. 2020,	1
464	An end-to-end model for rice yield prediction using deep learning fusion. 2020, 174, 105471	28
463	Machine Learning Based Classification of Ducted and Non-Ducted Propeller Type Quadcopter. 2020	5
462	Data Driven Machine Learning Models for Shale Gas Adsorption Estimation. 2020,	0
461	An Effective Semi-fragile Watermarking Method for Image Authentication Based on Lifting Wavelet Transform and Feed-Forward Neural Network. 2020, 12, 863-890	6
460	Sparse scattered high performance computing data driven artificial neural networks for multi-dimensional optimization of buoyancy driven heat and mass transfer in porous structures. 2020, 397, 125257	4
459	Applications of Artificial Intelligence to Electronic Health Record Data in Ophthalmology. 2020, 9, 13	32
458	Deep learning-based classification model for botnet attack detection. 2020, 1	26
457	Automated fruit recognition using EfficientNet and MixNet. 2020, 171, 105326	28
456	Neural Networks-Aided Insider Attack Detection for the Average Consensus Algorithm. 2020, 8, 51871-51883	6
455	Prognosis of Water Quality Sensors Using Advanced Data Analytics: Application to the Barcelona Drinking Water Network. 2020, 20,	4
454	. 2020, 8, 113918-113931	3
453	Data Flow and Distributed Deep Neural Network based low latency IoT-Edge computation model for big data environment. 2020, 94, 103785	6

452	Relating groundwater levels with meteorological parameters using ANN technique. 2020 , 166, 108163	15
451	Contribution of Sentinel-2 multispectral satellite images to study salinization effect of the Touggourt agricultural region (Algeria). 2020 , 13, 1	1
450	Adversarial Learning for Cross-Project Semi-Supervised Defect Prediction. 2020 , 8, 32674-32687	5
449	Wind Speed Estimation From CYGNSS Using Artificial Neural Networks. 2020 , 13, 708-716	26
448	A robust, cost-effective and non-invasive computer-aided method for diagnosis three types of neurodegenerative diseases with gait signal analysis. 2020 , 156, 107579	9
447	Automated machine learning: Review of the state-of-the-art and opportunities for healthcare. 2020 , 104, 101822	145
446	Nature-inspired algorithms for feed-forward neural network classifiers: A survey of one decade of research. 2020 , 11, 659-675	30
445	Improving weather dependent zone specific irrigation control scheme in IoT and big data enabled self driven precision agriculture mechanism. 2020 , 14, 1494-1515	9
444	A multi stage EEG data classification using k-means and feed forward neural network. 2020 , 8, 718-724	6
443	Underwater laser micro-milling of fine-grained aluminium and the process modelling by machine learning. 2020 , 30, 045011	5
442	Spatially Enhanced Spectral Unmixing Through Data Fusion of Spectral and Visible Images from Different Sensors. 2020 , 12, 1255	7
441	Privacy-Preserving Traffic Flow Prediction: A Federated Learning Approach. 2020 , 7, 7751-7763	113
440	Review and Prospect: Deep Learning in Nuclear Magnetic Resonance Spectroscopy. 2020 , 26, 10391-10401	26
439	Framework for the development of artificial neural networks for predicting the load carrying capacity of RC members. 2020 , 2, 1	7
438	Impact of statistical uncertainties on the composition of the outer crust of a neutron star. 2020 , 101,	11
437	Shallow Landslide Susceptibility Mapping: A Comparison between Logistic Model Tree, Logistic Regression, Naïve Bayes Tree, Artificial Neural Network, and Support Vector Machine Algorithms. 2020 , 17,	73
436	Evolutionary Multiobjective Optimization Driven by Generative Adversarial Networks (GANs). 2021 , 51, 3129-3142	32
435	. 2021 , 23, 292-305	10

- 434 A systematic review of machine learning classification methodologies for modelling passenger mode choice. **2021**, 38, 100221 5
- 433 Application of a new HMW framework derived ANN model for optimization of aquatic dissolved organic matter removal by coagulation. **2021**, 262, 127723 3
- 432 A support vector machine model to forecast ground-level PM2.5 in a highly populated city with a complex terrain. **2021**, 14, 399-409 10
- 431 Experimental Investigations and Modeling of Tool Wear in Gun-Drilling Process of 37Cr4 Forge Steel, Using Artificial Neural Network with Taguchi Method. **2021**, 74, 195-203
- 430 Study of several key parameters responsible for COVID-19 outbreak using multiple regression analysis and multi-layer feed forward neural network. **2021**, 24, 53-75 3
- 429 Learning-based BTI stress estimation and mitigation in multi-core processor systems. **2021**, 81, 103713 2
- 428 AutoRWN: automatic construction and training of random weight networks using competitive swarm of agents. **2021**, 33, 5507-5524 3
- 427 Room Acoustical Parameter Estimation From Room Impulse Responses Using Deep Neural Networks. **2021**, 29, 436-447 4
- 426 Computational Methods for Health Informatics. **2021**, 369-378
- 425 Machine learning for buildings' characterization and power-law recovery of urban metrics. **2021**, 16, e0246096 2
- 424 Deep Learning for Brain Tumor Segmentation: A Survey of State-of-the-Art. **2021**, 7, 21
- 423 Identifying Struggling Students by Comparing Online Tutor Clickstreams. **2021**, 290-295
- 422 Reliability analysis of models for predicting T-beam response at ultimate limit response. 1-23 2
- 421 Potential Applications of Deep Learning in Bioinformatics Big Data Analysis. **2021**, 183-193
- 420 Covid-19 Detection by Wavelet Entropy and Jaya. **2021**, 499-508 6
- 419 Neural Network-Based Intuitive Physics for Non-Inertial Reference Frames. **2021**, 9, 114246-114254
- 418 Community Knowledge About Security:. **2021**, 181-197
- 417 Personalizing Speech Start Point and End Point Detection in ASR Systems from Speaker Embeddings. **2021**,

416	Vehicle Classification in Intelligent Transport Systems: An Overview, Methods and Software Perspective. 2021 , 2, 173-194	6
415	Identificação de adulterantes no leite bovino por meio de redes neurais artificiais e técnica cromática. 53-68	
414	Optimization of four-wave mixing wavelength conversion in a quantum-dot semiconductor optical amplifier based on the genetic algorithm. 2021 , 53, 1	1
413	Prediction of Prolonged Length of Hospital Stay After Cancer Surgery Using Machine Learning on Electronic Health Records: Retrospective Cross-sectional Study. 2021 , 9, e23147	2
412	A Generalization Performance Study Using Deep Learning Networks in Embedded Systems. 2021 , 21,	6
411	Machine learning-enabled non-destructive paper chromogenic array detection of multiplexed viable pathogens on food. 2021 , 2, 110-117	11
410	Deep neural network for fitting analytical potential energy curve of diatomic molecules from ro-vibrational spectra. 1-9	
409	Reduction of quantitative systems pharmacology models using artificial neural networks. 2021 , 48, 509-523	1
408	Artificial Neural Network-Based Prediction of Wind Pressure Coefficients on Buildings. 2021 , 102, 403-409	1
407	Mathematical Modelling of Biosensing Platforms Applied for Environmental Monitoring. 2021 , 9, 50	3
406	A model for obstructive sleep apnea detection using a multi-layer feed-forward neural network based on electrocardiogram, pulse oxygen saturation, and body mass index. 2021 , 25, 2065-2072	1
405	Identification and quantification of gases and their mixtures using GaN sensor array and artificial neural network. 2021 , 32, 055111	5
404	Prediction of Spatiotemporal Evolution of Urban Traffic Emissions Based on Taxi Trajectories. 2021 , 18, 219-232	1
403	Deep representation learning of patient data from Electronic Health Records (EHR): A systematic review. 2021 , 115, 103671	10
402	A new neutrosophic TF-IDF term weighting for text mining tasks: text classification use case. 2021 , 17, 229-249	3
401	A new quantitative measure of occupants' overall satisfaction for indoor physical environmental quality. 2021 , 31, 1583-1600	2
400	Multi-chromosomal CGP-evolved RNN for signal reconstruction. 1	1
399	Over 1000 nm Near-Infrared Multispectral Imaging System for Laparoscopic In Vivo Imaging. 2021 , 21,	0

398	Unavailable Transit Feed Specification: Making It Available With Recurrent Neural Networks. 2021 , 22, 2111-2122	3
397	A novel approach for APT attack detection based on combined deep learning model. 1	7
396	Queue Length Forecasting in Complex Manufacturing Job Shops. 2021 , 3, 322-338	2
395	Experimental investigations and developing multilayer neural network models for prediction of CO ₂ solubility in aqueous MDEA/PZ and MEA/MDEA/PZ blends. 2021 , 11, 712-733	1
394	Machine learning in eigensubspace for network path identification and flow forecast. 2021 , 15, 1997-2006	1
393	Interpretable Analysis of NARX Neural Network Prediction MPA-AUC. 2021 ,	
392	A generic LSTM neural network architecture to infer heterogeneous model transformations. 1	2
391	Measuring the impact of novelty, bibliometric, and academic-network factors on citation count using a neural network. 2021 , 15, 101140	3
390	Data-Driven Predictive Model for Mixed Oil Length Prediction in Long-Distance Transportation Pipeline. 2021 ,	1
389	Real-Time GR logs Estimation While Drilling Using Surface Drilling Data; AI Application. 1	2
388	A transferable deep learning approach to fast screen potential antiviral drugs against SARS-CoV-2. 2021 , 22,	5
387	Intelligent wavelet fuzzy brain emotional controller using dual function-link network for uncertain nonlinear control systems. 1	2
386	An intelligent multi-objective framework for optimizing friction-stir welding process parameters. 2021 , 104, 107190	3
385	A multi-layer approach for advanced persistent threat detection using machine learning based on network traffic. 2021 , 40, 11311-11329	6
384	Application of Machine Learning to Identify Clinically Meaningful Risk Group for Osteoporosis in Individuals Under the Recommended Age for Dual-Energy X-Ray Absorptiometry. 2021 , 109, 645-655	0
383	Graph Neural Network for Large-Scale Network Localization. 2021 ,	6
382	Mechanistic data-driven prediction of as-built mechanical properties in metal additive manufacturing. 2021 , 7,	8
381	Prediction of Surface Oil Rates for Volatile Oil and Gas Condensate Reservoirs Using Artificial Intelligence Techniques. 2022 , 144,	7

380	Designing Efficient NoC-Based Neural Network Architectures for Identification of Epileptic Seizure. 2021 , 2, 1	0
379	Experimental validation of CNNs versus FFNNs for time- and energy-efficient EVM estimation in coherent optical systems. 2021 , 13, E63	1
378	An Efficient FNN Model with Chaotic Oppositional Based SCA to Solve Classification Problem. 1-19	
377	Nondestructive multiplex detection of foodborne pathogens with background microflora and symbiosis using a paper chromogenic array and advanced neural network. 2021 , 183, 113209	5
376	Peak Demand Management and Schedule Optimisation for Energy Storage through the Machine Learning Approaches. 2021 ,	2
375	Application of artificial neural networks and multiple linear regression on local bond stress equation of UHPC and reinforcing steel bars. 2021 , 11, 15061	2
374	Application of Neural Network Models and ANFIS for Water Level Forecasting of the Salve Faccha Dam in the Andean Zone in Northern Ecuador. 2021 , 13, 2011	2
373	A Comparative Study on Classifying Human Activities Using Classical Machine and Deep Learning Methods. 1	3
372	Building healthy Lagrangian theories with machine learning. 2021 , 30, 2150085	1
371	DialTest: automated testing for recurrent-neural-network-driven dialogue systems. 2021 ,	0
370	Machine Learning to Predict Tamoxifen Nonadherence Among US Commercially Insured Patients With Metastatic Breast Cancer. 2021 , 5, 814-825	0
369	Probing impact of molecular structure on bulk modulus and impact sensitivity of energetic materials by machine learning methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021 , 215, 104331	3.8 2
368	Intercomparison of downscaling methods for daily precipitation with emphasis on wavelet-based hybrid models. 2021 , 599, 126373	2
367	Deep learning with neighborhood preserving embedding regularization and its application for soft sensor in an industrial hydrocracking process. 2021 , 567, 42-57	7
366	Two-Stage Credit Scoring Model Based on Evolutionary Feature Selection and Ensemble Neural Networks. 2021 , 99-115	0
365	Exploring the multi-dimensionality of authenticity in dining experiences using online reviews. 2021 , 85, 104292	7
364	Deep Convolutional Neural Networks With Ensemble Learning and Generative Adversarial Networks for Alzheimer's Disease Image Data Classification. 2021 , 13, 720226	10
363	Credit Score Prediction System using Deep Learning and K-Means Algorithms. 2021 , 1998, 012027	0

362	Prediction of N chemical shifts by machine learning. 2021,	2
361	Diving Deep into the Data: A Review of Deep Learning Approaches and Potential Applications in Foodomics. 2021, 10,	4
360	Context-aware assistive driving: an overview of techniques for mitigating the risks of driver in real-time driving environment. 2021, ahead-of-print,	
359	Classification of group structures for a multigroup collision probability model using machine learning. 2021, 160, 108367	2
358	Intrusion Detection in Industrial Internet of Things Network-Based on Deep Learning Model with Rule-Based Feature Selection. 2021, 2021, 1-17	18
357	Simultaneous measurement of time-of-wetness and electrolyte concentrations with IDE sensors by evaluation of impedance spectra using an artificial neural network.	0
356	Fuzzy vector quantization with a step-optimizer to improve pattern classification. 2021, 115941	0
355	Machine Learning Applications to Predict Surface Oil Rates for High Gas Oil Ratio Reservoirs. 1-19	1
354	Deep learning regularization techniques to genomics data. 2021, 11, 100068	1
353	Predicting coastal urban floods using artificial neural network: The case study of Macau, China. 2021, 11, 1	0
352	Applications of Machine Learning in Solid Oral Dosage Form Development. 2021, 110, 3150-3165	5
351	Optimization of design parameters to evaluate the performance of journal bearing: ANN approach. 2021,	1
350	Investigation of Applicability of Impact Factors to Estimate Solar Irradiance: Comparative Analysis Using Machine Learning Algorithms. 2021, 11, 8533	2
349	Evaluating Long-Term Treatment Performance and Cost of Nutrient Removal at Water Resource Recovery Facilities under Stochastic Influent Characteristics Using Artificial Neural Networks as Surrogates for Plantwide Modeling.	2
348	Prediction of rockhead using a hybrid XGBoost machine learning framework. 2021,	10
347	Machine learning-based energy optimization for on-site SMR hydrogen production. 2021, 244, 114438	8
346	Design and experimental research of a temperature sensor applied to surface air temperature monitoring. 2021, 182, 109719	2
345	Classifying muscle parameters with artificial neural networks and simulated lateral pinch data. 2021, 16, e0255103	0

344	A Survey for Machine Learning-Based Control of Continuum Robots. 2021 , 8, 730330	4
343	Multi-stage deep learning approaches to predict boarding behaviour of bus passengers. 2021 , 73, 103111	5
342	Forecasting stock price by hybrid model of cascading Multivariate Adaptive Regression Splines and Deep Neural Network. 2021 , 95, 107405	5
341	Reliability analysis of strength models for short-concrete columns under concentric loading with FRP rebars through Artificial Neural Network. 2021 , 42, 102497	6
340	Probability mass functions forecasting of occupants' sensation votes under the effects of temperature, illuminance, and sound level based on ANN. 2021 , 43, 102882	1
339	Deep learning for credit scoring: Do or don't? 2021 , 295, 292-305	15
338	Data-driven short-term natural gas demand forecasting with machine learning techniques. 2021 , 206, 108979	0
337	A review of different dimensionality reduction methods for the prediction of sugar content from hyperspectral images of wine grape berries. 2021 , 113, 107889	4
336	Energy consumption prediction model with deep inception residual network inspiration and LSTM. 2021 , 190, 97-109	4
335	A Novel Prediction Perspective to the Bending Over Sheave Fatigue Lifetime of Steel Wire Ropes by Means of Artificial Neural Networks. 2022 , 648-667	
334	Machine learning and deep learning methods that use omics data for metastasis prediction. 2021 , 19, 5008-5018	11
333	Sentence-Level Classification Using Parallel Fuzzy Deep Learning Classifier. 2021 , 9, 17943-17985	10
332	Artificial intelligence for decision support systems in the field of operations research: review and future scope of research. 2022 , 1	14
331	Machine learning-integrated omics for the risk and safety assessment of nanomaterials. 2021 , 9, 1598-1608	12
330	Utilizing Google Search Data With Deep Learning, Machine Learning and Time Series Modeling to Forecast Influenza-Like Illnesses in South Africa. 2021 , 9, 126822-126836	0
329	An Attention-Based Approach for Mongolian News Named Entity Recognition. 2019 , 424-435	2
328	Reconstructing the Carbon Dioxide Absorption Patterns of World Oceans Using a Feed-Forward Neural Network: Software Implementation and Employment Techniques. 2015 , 417-425	2
327	Learning Human-Understandable Description of Dynamical Systems from Feed-Forward Neural Networks. 2017 , 483-492	1

326	Prediction of Heat Value of Chongqing Municipal Solid Waste Using Artificial Neural Networks. 2009 , 1519-1528		1
325	Quantile Regression Model for Impact Toughness Estimation. 2010 , 263-276		2
324	SVM kernel based on particle swarm optimized vector and Bayesian optimized SVM in atmospheric particulate matter forecasting. 2020 , 93, 106410		33
323	Improved kernel PLS combined with wavelength variable importance for near infrared spectral analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017 , 168, 107-113	3.8	8
322	Integrated finite element and artificial neural network methods for constructing asphalt concrete dynamic modulus master curve using deflection time-history data. 2020 , 257, 119549		5
321	Neurocomputing in surface water hydrology and hydraulics: A review of two decades retrospective, current status and future prospects. 2020 , 588, 125085		33
320	Oral microbiome-systemic link studies: perspectives on current limitations and future artificial intelligence-based approaches. 2020 , 46, 288-299		6
319	Data driven analysis and forecasting of medium and heavy truck fuel consumption. 1-22		1
318	Deep Docking - a Deep Learning Approach for Virtual Screening of Big Chemical Datasets.		6
317	Computations, optimization and tuning of deep feedforward neural networks.		2
316	Hebbian learning with elasticity explains how the spontaneous motor tempo affects music performance synchronization.		1
315	Identification of nutrient deficiency in bean plants by prompt chlorophyll fluorescence measurements and Artificial Neural Networks.		2
314	FedGRU: Privacy-preserving Traffic Flow Prediction via Federated Learning. 2020 ,		6
313	Modelling and control of self-sensing ionic electroactive polymer actuator. 2019 ,		1
312	Unsupervised Cyberbullying Detection via Time-Informed Gaussian Mixture Model. 2020 ,		9
311	Functional code clone detection with syntax and semantics fusion learning. 2020 ,		13
310	Learning semantic program embeddings with graph interval neural network. 2020 , 4, 1-27		3
309	Color image identification and reconstruction using artificial neural networks on multimode fiber images: towards an all-optical design. 2018 , 43, 5603-5606		21

308	Wavelet based approach for facial expression recognition. 2015 , 1, 7	2
307	Polipropilen/Polianilin Kompozit Filmlerin Dielektrik Özelliklerinin Yapay Sinir Ağları Modeli ile Tahmini.	2
306	AI-Based Modeling and Monitoring Techniques for Future Intelligent Elastic Optical Networks. 2020 , 10, 363	13
305	Low-Complexity Rate-Distortion Optimization of Sampling Rate and Bit-Depth for Compressed Sensing of Images. 2020 , 22,	1
304	MOOCVERSITY - Deep Learning Based Dropout Prediction in MOOCs over Weeks. 2020 , 2, 140-152	13
303	Assessing Land Ecological Security Based on BP Neural Network: a Case Study of Hangzhou, China. 2013 , 8,	5
302	Testing the applicability of neural networks as a gap-filling method using CH ₄ flux data from high latitude wetlands.	2
301	Applied machine learning in cancer research: A systematic review for patient diagnosis, classification and prognosis. 2021 , 19, 5546-5555	7
300	A Robot Walks into a Bar: Automatic Robot Joke Success Assessment. 2021 ,	0
299	The role of ambient parameters on transmission rates of the COVID-19 outbreak: A machine learning model. 2021 , 70, 377-385	2
298	Capability of an Elman Recurrent Neural Network for predicting the non-linear behavior of airborne pollutants. 2022 , 15, 125	
297	A General Rate-Distortion Optimization Method for Block Compressed Sensing of Images. 2021 , 23,	0
296	An Empirical Equation for Failure Pressure Prediction of High Toughness Pipeline with Interacting Corrosion Defects Subjected to Combined Loadings Based on Artificial Neural Network. 2021 , 9, 2582	4
295	A dynamic two-level artificial neural network for estimation of parameters in combined mode conduction-radiation heat transfer in porous medium: An application to handle huge dataset with noise.	2
294	Mesh-Free Surrogate Models for Structural Mechanic FEM Simulation: A Comparative Study of Approaches. 2021 , 11, 9411	2
293	A Review of Finite Element Analysis and Artificial Neural Networks as Failure Pressure Prediction Tools for Corroded Pipelines. 2021 , 14,	4
292	Prediction of oil rates using Machine Learning for high gas oil ratio and water cut reservoirs. 2021 , 82, 102065	
291	Simultaneous Determination of Anionic and Nonionic Surfactants Using Multivariate Calibration Method. 2003 , 47, 19-25	

290 Classifying Volume Datasets Based on Intensities and Geometric Features. **2009**, 63-86

289 CHAPTER 6: Multivariate Regression using Artificial Neural Networks and Support Vector Machines. **2013**, 348-397

288 Realisation of Low-Cost Ammonia Breathalyzer for the Identification of Tooth Decay by Neural Simulation. **2015**, 587-596

287 An Artificial Neural Network Model as the Decision Support System of Ports. **2016**, 36-60

286 GAS Sensor Modelling and Simulation. **2017**, 70-116

1

285 Neural-Network-Based Tracking Control of Offshore Steel Jacket Platforms. **2017**, 287-295

284 Speaker Recognition With Normal and Telephonic Assamese Speech Using I-Vector and Learning-Based Classifier. **2017**, 256-280

283 ANN Modeling of Motional Resistance for Micro Disk Resonator. **2017**, 8, 14-31

1

282 Fuzzy Logic Modelling to Predict Residential Solid Waste Generation: A Case Study of Baranagar. **2019**, 1155-1166

1

281 Unemployment Prediction in UK by Using a Feedforward Multilayer Perceptron. **2019**, 65-74

1

280 Botnet Detection Using a Feed-Forward Backpropagation Artificial Neural Network. **2019**, 24-35

279 Simulation of an Artificial Hearing Module for an Assistive Robot. **2019**, 852-865

1

278 Artificial Neural Network Analysis of the Solar-Assisted Heat Pumps Performance for Domestic Hot Water Production. **2019**, 405-416

277 Improved Forecasting of CO2 Emissions Based on an ANN and Multiresolution Decomposition. **2019**, 177-188

276 Neural Network-Based Deep Encoding for Mixed-Attribute Data Classification. **2019**, 153-163

0

275 ARCHITECTURE OPTIMIZATION MODEL FOR THE DEEP NEURAL NETWORK FOR BINARY CLASSIFICATION PROBLEMS. **2019**, 14, 18

1

274 Comparative Analysis of Cognitive Neurodynamics on AMIGOS Dataset Versus Prepared Dataset. **2019**, 3-12

1

273 Predicting Stock Prices Using Dynamic LSTM Models. **2019**, 199-212

4

- 272 Ajuste paramétrico c_1 y c_2 en el desempeño del algoritmo de optimización de partículas (PSO). **2019**, 22,
- 271 Application of Deep Architecture in Bioinformatics. **2020**, 167-186
- 270 Identification of IoT Medical Devices APIs Through Ontology Mapping Techniques. **2020**, 39-54 1
- 269 ANN Modeling of Motional Resistance for Micro Disk Resonator. **2020**, 199-216
- 268 Vigilancia y seguridad con procesamiento de imágenes. 65-84
- 267 Comparison of the Particle Swarm Optimization with the Genetic Algorithms as a Training for Multilayer Perceptron Technique to Diagnose Thyroid Functional Disease. **2020**, 22, 1
- 266 Study on Bicycle-Based Real-Time Information Feedback System by Using IoT. **2021**, 143-150
- 265 Prediction of Prolonged Length of Hospital Stay After Cancer Surgery Using Machine Learning on Electronic Health Records: Retrospective Cross-sectional Study (Preprint).
- 264 Estimation Matrix Calibration of PMU Data-driven State Estimation Using Neural Network. **2020**, 0
- 263 A Comparison Among Three Neural Network Models for Silk Content Estimation from X-Ray Image of Cocoons. **2020**, 469-484
- 262 Space Use-Case: Onboard Satellite Image Classification. **2021**, 199-218
- 261 A Deep Learning Framework for Solving Rectangular Waveguide Problems. **2020**, 0
- 260 An Efficient NoC-based ANN Framework for Epileptic Seizure Recognition. **2020**,
- 259 Low Complexity Adaptive Nonlinear Models for the Diagnosis of Periodontal Disease. **2020**, 10, 508-521
- 258 BCI System using a Novel Processing Technique Based on Electrodes Selection for Hand Prosthesis Control. **2021**, 54, 364-369 0
- 257 Image Features Anonymization for Privacy Aware Machine Learning. **2020**, 663-675
- 256 Speaker Recognition With Normal and Telephonic Assamese Speech Using I-Vector and Learning-Based Classifier. **2020**, 805-829
- 255 A Novel Prediction Perspective to the Bending Over Sheave Fatigue Lifetime of Steel Wire Ropes by Means of Artificial Neural Networks. **2020**, 39-58

- 254 Biomimetic Design in Augmented Cognition. **2020**, 226-240
- 253 Modelling a Deep Learning-Based Wireless Sensor Network Task Assignment Algorithm. **2020**, 84-109
- 252 Deep Learning for Hyperspectral Image Analysis, Part I: Theory and Algorithms. **2020**, 37-68 1
- 251 Ecommerce Fraud Detection Through Fraud Islands and Multi-layer Machine Learning Model. **2020**, 556-570 1
- 250 Geostatistical Inversion. **2020**, 177-216
- 249 Multilayer Perceptron Based on Joint Training for Predicting Popularity. **2020**, 570-580
- 248 Predictions of Minimum Fluid Film Thickness of Journal Bearing Using Feed-Forward Neural Network. **2020**, 229-237 0
- 247 End-to-End Benchmarking of Deep Learning Platforms. **2020**, 116-132 1
- 246 Application of Artificial Neural Network for Predicting Agricultural Methane and CO2 Emissions in Bangladesh. **2021**,
- 245 Life Expectancy Prediction Based on GDP and Population Size of Bangladesh using Multiple Linear Regression and ANN Model. **2021**, 0
- 244 The Role of Accent and Grouping Structures in Estimating Musical Meter. **2020**, E103.A, 649-656
- 243 Statistical and Machine Learning Methods Applied to the Prediction of Different Tropical Rainfall Types.
- 242 Bayesian Metamodeling of pancreatic islet architecture and functional dynamics.
- 241 Statistical and machine learning methods applied to the prediction of different tropical rainfall types. 0
- 240 The Impact of Self-Efficacy on Feelings and Task Performance of Academic and Teaching Staff in Bahrain during COVID-19: Analysis by SEM and ANN. **2021**, 7, 224 2
- 239 Methods of Insect Image Capture and Classification: A Systematic Literature Review. **2021**, 100023 5
- 238 Statistical and Machine Learning Methods Applied to the Prediction of Different Tropical Rainfall Types.
- 237 An Artificial Neural Network Model as the Decision Support System of Ports. 476-499

236	Application of the BP Neural Network in the Checking and Controlling Emission of Vehicle Engines. 2007 , 448-454	
235	Attractive internuclear force drives the collective behavior of nuclear arrays in Drosophila embryos.	
234	Cryptographic Algorithm Identification Using Deep Learning Techniques. 2021 , 785-793	0
233	Mit Predictive Quality in die Zukunft sehen. 2020 , 115, 715-718	1
232	Baryon density extraction and isotropy analysis of cosmic microwave background using deep learning. 2020 , 1, 045012	1
231	Interpreting the socio-technical interactions within a wind damage-artificial neural network model for community resilience. 2020 , 7, 200922	4
230	Deep Bidirectional and Unidirectional LSTM Neural Networks in Traffic Flow Forecasting from Environmental Factors. 2021 , 171-180	1
229	K�stliche Neuronale Netze [Aufbau, Funktion und Nutzen. 2021 , 225-239	
228	Wheat Yield Prediction Using Feedforward Neural Networks. 2021 ,	0
227	A Feedforward Neural Network Model for Forecasting Crude Oil Prices Using Macroeconomic and Geopolitical Factors. 2021 ,	
226	Deep Neural Network Approach to Estimate Early Worst-Case Execution Time. 2021 ,	1
225	A framework for expensive many-objective optimization with Pareto-based bi-indicator infill sampling criterion. 1	0
224	Deep Learning for Human Disease Detection, Subtype Classification, and Treatment Response Prediction Using Epigenomic Data. 2021 , 9,	2
223	Attractive internuclear force drives the collective behavior of nuclear arrays in Drosophila embryos. 2021 , 17, e1009605	0
222	Optimized ensemble deep learning framework for scalable forecasting of dynamics containing extreme events. 2021 , 31, 111105	7
221	It takes guts to learn: machine learning techniques for disease detection from the gut microbiome. 2021 ,	0
220	Machine Learning-Based Estimation of Ground Reaction Forces and Knee Joint Kinetics from Inertial Sensors While Performing a Vertical Drop Jump. 2021 , 21,	1
219	Parkinson's Disease Tremor Severity Classification - A Comparison Between ON and OFF Medication State. 2021 , 364-370	

218	High Positional Resolution Pin-Cushion Position Sensitive Detector by Deliberately Introducing Barrel Distortion. 2021 , 1-1	
217	Mobile Edge Computing for Content Distribution and Mobility Support in Smart Cities. 2021 , 473-500	0
216	Multiscanning Strategy-Based Recurrent Neural Network for Hyperspectral Image Classification. 2021 , 1-1	1
215	An ANNs-Based Method for Automated Labelling of Schematic Metro Maps. 2022 , 11, 36	0
214	A Physics-Informed Neural Network Approach to Solution and Identification of Biharmonic Equations of Elasticity. 2022 , 148,	2
213	Influence of refractive index accurate model of supersonic vehicle window flow field on aero-optical characteristics. 2022 , 252, 168524	2
212	Performance prediction, optimal design and operational control of thermal energy storage using artificial intelligence methods. 2022 , 156, 111977	3
211	Multistep networks for roll force prediction in hot strip rolling mill. 2022 , 7, 100245	1
210	Modeling of water-PCM solar thermal storage system for domestic hot water application using Artificial neural networks. 2022 , 204, 118009	3
209	Artificial intelligence for breast cancer analysis: Trends & directions.. 2022 , 142, 105221	7
208	Short-term electric load forecasting using neural networks: A comparative study. 2020 ,	0
207	Rapid, Multi-vehicle and Feed-forward Neural Network based Intrusion Detection System for Controller Area Network Bus. 2020 ,	0
206	SpTFS: Sparse Tensor Format Selection for MTKRP via Deep Learning. 2020 ,	1
205	Artificial Intelligence Forecasting for Transmission Line Ampacity. 2022 , 217-234	
204	Behavioral Biometrics based Authentication System using MLP-NN and MVPA. 2021 ,	0
203	The Learning Path to Neural Network Industrial Application in Distributed Environments. 2021 , 9, 2247	1
202	Hyperparameter Tuning of Machine Learning Algorithms Using Response Surface Methodology: A Case Study of ANN, SVM, and DBN. 2022 , 2022, 1-17	2
201	Machine Learning: A Novel Tool for Archaeology. 2022 , 961-1002	0

200	A Deep Learning-Based Intrusion Detection Technique for a Secured IoMT System. 2022 , 50-62	9
199	Estimation, modeling, and prediction of land subsidence using Sentinel-1 time series in Tehran-Shahriar plain: A machine learning-based investigation. 2022 , 25, 100691	
198	The Role of Artificial Neural Networks in Prediction of Mechanical and Tribological Properties of Composites. A Comprehensive Review . 1	2
197	Enhancing the Understanding of Train Delays With Delay Evolution Pattern Discovery: A Clustering and Bayesian Network Approach. 2022 , 1-15	2
196	Optimization of hydrodynamic journal bearing: MOGA approach. 2022 ,	
195	Estimating adsorption isotherm parameters in chromatography via a virtual injection promoting double feed-forward neural network. 2020 ,	2
194	Dynamical Mechanism of Sampling-Based Probabilistic Inference under Probabilistic Population Codes.. 2022 , 1-24	
193	Identification of Model Particle Mixtures Using Machine-Learning-Assisted Laser Diffraction. 2022 , 9, 74	0
192	Signal-to-Noise Ratio Improvement for Multiple-Pinhole Imaging Using Supervised Encoder-Decoder Convolutional Neural Network Architecture. 2022 , 9, 69	0
191	Identification of nutrient deficiency in plants by artificial intelligence. 2022 , 44, 1	1
190	A self-adaptive gradient descent search algorithm for fully-connected neural networks. 2022 , 478, 70-80	5
189	Machine learning in surface plasmon resonance for environmental monitoring. 2022 , 269-298	0
188	Improvement of the DRAINMOD model's performance under time-variable surface storage capacities using neural network models. 2022 , 13, 101699	
187	Recent advances for quantum classifiers. 2022 , 65, 1	4
186	Expensive Multiobjective Optimization by Relation Learning and Prediction. 2022 , 1-1	2
185	A New Handwritten Number Recognition Approach Using Typical Testors, Genetic Algorithms, and Neural Networks. 2022 , 291-305	
184	Genetic Algorithm-Based Deep Learning Models: A Design Perspective. 2022 , 361-372	
183	The basics of deep learning. 2022 , 19-36	

182	A Comparison of Deep Learning Models in Time Series Forecasting of Web Traffic Data From Kaggle. 2022 , 301-319	1
181	Artificial intelligence on edge devices. 2022 ,	0
180	Prediction-Interval-Based Credibility Criteria of Prognostics Results for Practical Use. 2022 , 10, 473	
179	Sequentially-reduced representation of artificial neural network to determine cardiovascular intrinsic frequencies.	
178	Outcomes of IndustryUniversity Collaboration in Open Innovation: An Exploratory Investigation of Their AntecedentsImpact Based on a PLS-SEM and Soft Computing Approach. 2022 , 10, 931	1
177	Addressing the cold-start problem of recommendation systems for financial products by using few-shot deep learning. 1	
176	A Predictive Model for Estimating the TBM Penetration Rate Based on Hybrid ICA-ANN and DEA-AHP Algorithms. 1	
175	A study on the practical application of the integrated ANN system for manufacturing the target quality of the injection molded product. 2022 , 34, 147	1
174	Prediction of Wind-Induced Pressure on Pentagon Plan Shape Building using Artificial Neural Network. 1	
173	Finite volume method network for the acceleration of unsteady computational fluid dynamics: Non-reacting and reacting flows.	0
172	Predicting the Compressibility Factor of Natural Gas by Using Statistical Modeling and Neural Network. 2022 , 15, 1807	0
171	Artificial Neural Network-Based Failure Pressure Prediction of API 5L X80 Pipeline with Circumferentially Aligned Interacting Corrosion Defects Subjected to Combined Loadings.. 2022 , 15,	2
170	Development of empirical mode decomposition based neural network for power quality disturbances classification. 2022 , 28-44	
169	Catalysis of neural activation functions: Adaptive feed-forward training for big data applications. 1	2
168	Prediction of Sound Insulation Using Artificial Neural NetworksPart I: Lightweight Wooden Floor Structures. 2022 , 4, 203-226	1
167	Road Speed Prediction Scheme by Analyzing Road Environment Data.. 2022 , 22,	1
166	Neural Network Guided Fast and Efficient Query-Based Stemming by Predicting Term Co-occurrence Statistics. 2022 , 3, 1	1
165	Accurately predicting transport properties of porous fibrous materials by machine learning methods.	

164	An adaptive model switch-based surrogate-assisted evolutionary algorithm for noisy expensive multi-objective optimization. 1	0
163	SmartDefense: A distributed deep defense against DDoS attacks with edge computing. 2022 , 209, 108874	1
162	Machine learning for compositional disorder: A comparison between different descriptors and machine learning frameworks. 2022 , 207, 111284	0
161	GameDKT: Deep knowledge tracing in educational games. 2022 , 196, 116670	3
160	Temperature-optimized propagation of synchronous firing rate in a feed-forward multilayer neuronal network. 2022 , 596, 127139	0
159	Type-1 fuzzy forecasting functions with elastic net regularization. 2022 , 199, 116916	1
158	Decision-Making of an Autonomous Vehicle when Approached by an Emergency Vehicle using Deep Reinforcement Learning. 2021 ,	1
157	Raman Calibration Models for Chemical Species Determination in CO ₂ -Loaded Aqueous MEA Solutions Using PLS and ANN Techniques. 2021 , 5, 87	
156	Storm Surge Prediction Based on Long Short-Term Memory Neural Network in the East China Sea. 2022 , 12, 181	4
155	Electricity theft Detection in Power Grid with a Hybrid Convolutional Neural Network - Support Vector Machine Model. 2021 ,	0
154	Machine Learning for Risk Analysis. 2022 , 190-213	0
153	Application of novel deep boosting framework-based earthquake induced landslide hazards prediction approach in Sikkim Himalaya. 1-23	0
152	Application of a metaheuristic gradient-based optimizer algorithm integrated into artificial neural network model in a local geoid modeling with global navigation satellite systems/leveling measurements.	1
151	Development of multiple linear regression, artificial neural networks and fuzzy logic models to predict the efficiency factor and durability indicator of nano natural pozzolana as cement additive. 2022 , 52, 104475	1
150	Table_1.DOCX. 2019 ,	
149	Prediction of electricity energy consumption including COVID-19 precautions using the hybrid MLR-FFANN optimized with the stochastic fractal search with fitness distance balance algorithm.. 2022 , e6947	0
148	Modeling Solubility of Anhydrite and Gypsum in Aqueous Solutions: Implications for Swelling of Clay-Sulfate Rocks. 1	0
147	On the Prediction of the Frequency Response of a Wooden Plate from Its Mechanical Parameters. 2022 ,	0

146	Chaotic oppositional-based whale optimization to train a feed forward neural network.	0
145	Estimation of the compressive strength of green concretes containing rice husk ash: a comparison of different machine learning approaches. 1-23	1
144	Pre-combustion CO ₂ capture using amine-based absorption process for blue H ₂ production from steam methane reformer. 2022 , 262, 115632	2
143	Development and comparative selection of surrogate models using artificial neural network for an integrated regenerative transcritical cycle. 2022 , 317, 119146	0
142	Machine learning algorithms for monitoring pavement performance. 2022 , 139, 104309	2
141	DRIN: Deep Recurrent Interaction Network for click-through rate prediction. 2022 , 604, 210-225	0
140	A review of controllers and optimizations based scheduling operation for battery energy storage system towards decarbonization in microgrid: Challenges and future directions. 2022 , 132188	4
139	Feedforward Neural Network-based EVM Estimation: Impairment Tolerance in Coherent Optical Systems. 2022 , 1-1	1
138	A Cross-Platform Cache Timing Attack Framework via Deep Learning. 2022 ,	0
137	Inference of Student Needs in an Online Learning Environment Based on Facial Expression. 2022 ,	
136	One-Shot Detection of Malicious TLS Traffic. 2022 ,	0
135	Deep Neural Network for Virus Mutation Prediction: A Comprehensive Review. 2022 , 225-255	
134	New hybrid GR6J-wavelet-based genetic algorithm-artificial neural network (GR6J-WGANN) conceptual-data-driven model approaches for daily rainfall runoff modelling.	1
133	Multivariate neural network interpolation operators. 2022 , 414, 114426	0
132	Future Research Directions. 2022 , 201-214	1
131	Resource Allocation and 3D Trajectory Design for Power-Efficient IRS-Assisted UAV-NOMA Communications. 2022 , 1-1	0
130	Influence of Settings and Predictors in Neural Network Model Performance: A Buenos Aires Air Quality Case.	
129	Emotion Recognition from Facial Images using Hybrid Deep Learning Models. 2022 ,	0

128	Prediction of the stability number of conventional rubble-mound breakwaters using machine learning algorithms. 2022,	1
127	Machine learning strategies for the structure-property relationship of copolymers. 2022, 25, 104585	1
126	Battery monitoring and prognostics optimization techniques: Challenges and opportunities. 2022, 255, 124538	1
125	Multivariate fuzzy neural network interpolation operators and applications to image processing. 2022, 206, 117771	2
124	Safety assessment of complex socio-technical systems. 2022, 461-477	
123	Pandemi Dēeminde Borsa Karlılık Tahmini.	
122	Machine learning based soft error rate estimation of pass transistor logic in high-speed communication. 2022,	
121	Low-Complexity Adaptive Sampling of Block Compressed Sensing Based on Distortion Minimization. 2022, 22, 4806	2
120	New generalized correlations for oil rate predictions through wellhead chokes for high GOR reservoirs. 2022, 15,	0
119	Rational Design of Field-Effect Sensors Using Partial Differential Equations, Bayesian Inversion, and Artificial Neural Networks. 2022, 22, 4785	2
118	Smart quantum statistical imaging beyond the Abbe-Rayleigh criterion. 2022, 8,	0
117	Prediction of Sound Insulation Using Artificial Neural NetworksPart II: Lightweight Wooden Faāde Structures. 2022, 12, 6983	1
116	A 3D convolutional neural network accurately predicts the permeability of gas diffusion layer materials directly from image data. 2022, 101101	0
115	Image-driven hydrological parameter coupled identification of flood plain wetland conservation and restoration sites. 2022, 318, 115602	0
114	MetastaSite: Predicting metastasis to different sites using deep learning with gene expression data. 9,	0
113	High-dimensional encryption in optical fibers using spatial modes of light and machine learning. 2022, 3, 035006	0
112	Prediction of Wave Energy Flux in the Bohai Sea through Automated Machine Learning. 2022, 10, 1025	1
111	An Orchestration Perspective on Open Innovation between IndustryUniversity: Investigating Its Impact on Collaboration Performance. 2022, 10, 2672	1

110	Comparative analysis of soft computing techniques in predicting the compressive and tensile strength of seashell containing concrete. 1-23	1
109	Predicting the specific substrate for transmembrane transport proteins using BERT language model.	
108	Prediction of hand, foot, and mouth disease epidemics in Japan using a long short-term memory approach. 2022 , 17, e0271820	0
107	Quantum Neural Network Classifiers: A Tutorial.	0
106	Predicting the specific substrate for transmembrane transport proteins using BERT language model. 2022 ,	
105	A parametric study of subcooled flow boiling of Al ₂ O ₃ /water nanofluid using numerical simulation and artificial neural networks. 1-31	1
104	Adaptive hierarchical hyper-gradient descent.	2
103	Machine Learning, Deep Learning and Statistical Analysis for forecasting building energy consumption [A systematic review. 2022 , 115, 105287	3
102	Prediction of axial load bearing capacity of PHC nodular pile using Bayesian regularization artificial neural network. 2022 , 62, 101203	1
101	Performance optimization of heat-exchanger with delta-wing tape inserts using machine learning. 2022 , 216, 119135	1
100	Machine Learning Models Applied to a GNSS Sensor Network for Automated Bridge Anomaly Detection. 2022 , 148,	2
99	Condition Modeling of Railway Drainage Pipes. 2022 , 28,	0
98	Folding over Neural Networks. 2022 , 129-150	0
97	Adversarial Deep Learning: A Survey on Adversarial Attacks and Defense Mechanisms on Image Classification. 2022 , 10, 102266-102291	0
96	National-scale temporal estimation of South Korean Forest carbon stocks using a machine learning-based meta model. 2023 , 98, 106924	0
95	The Impact of an In-Home Co-Located Robotic Coach in Helping People Make Fewer Exercise Mistakes. 2022 ,	0
94	A New Approach for Optimal Selection of Features for Classification Based on Rough Sets, Evolution and Neural Networks. 2023 , 211-225	0
93	This Bot Knows What It's Talking About! Human-Inspired Laughter Classification Methods for Adaptive Robotic Comedians. 2022 ,	0

- 92 Delineating Variabilities of Groundwater Level Prediction Across the Agriculturally Intensive Transboundary Aquifers of South Asia. ○
- 91 A Neural Network Model for Electro-thermal Effect Affected Hot Carrier Injection Reliability in N-Type Nanoscale MOSFETs. **2022**, ○
- 90 Surface ocean CO₂ concentration and air-sea flux estimate by machine learning with modelled variable trends. 9, ○
- 89 A Generalised Neural Network Model to Estimate Sex from Cranial Metric Traits: A Robust Training and Testing Approach. **2022**, 12, 9285 ○
- 88 Edge Computing on IoT. **2022**, 67-97 ○
- 87 A Fuzzy System Classification Approach for QSAR Modeling of α -Amylase and β -Glucosidase Inhibitors. **2022**, 18, ○
- 86 Geospatial modeling using hybrid machine learning approach for flood susceptibility. ○
- 85 Discovery of novel SARS-CoV-2 3CL protease covalent inhibitors using deep learning-based screen. **2022**, 244, 114803 1
- 84 Predictive Modeling of Higher Heating Value of Biomass Using Ensemble Machine Learning Approach. ○
- 83 Selection of the best machine learning method for estimation of concentration of different water quality parameters. **2022**, 8, ○
- 82 A deep hybrid learning model for detection of cyber attacks in industrial IoT devices. ○
- 81 Neural network operators of fuzzy n-cell number valued functions and multidimensional fuzzy inference system. **2022**, 110018 1
- 80 Machine Learning-Based Species Classification Methods Using DART-TOF-MS Data for Five Coniferous Wood Species. **2022**, 13, 1688 ○
- 79 Investigating the effects of landscape characteristics on landslide susceptibility and frequency-area distributions: the case of Taounate province, Northern Morocco. 1-27 ○
- 78 Reservoir Prediction Model via the Fusion of Optimized Long Short-Term Memory Network (LSTM) and Bidirectional Random Vector Functional Link (RVFL). **2022**, 11, 3343 ○
- 77 Government Digital Transformation: Understanding the Role of Government Social Media. **2022**, 101775 ○
- 76 A study on the performance of various predictive models based on artificial neural network for backward metal flow forming process. ○
- 75 An Efficient Algorithm for Multi Class Classification in Deep Neural Network. **2023**, 381-394 ○

74	Design and Development of Interactive, Real-Time Dashboard to Understand COVID-19 Situation in Pune. 2023 , 131-163	0
73	Flower image classification based on visual transformer. 2022 ,	0
72	Deep reinforcement learning achieves multifunctional morphing airfoil control. 002199832211376	0
71	An experimental dynamic study of cement mortar with polyurethane residues and foundry sand. 2023 , 274, 115107	1
70	Modeling Categorized Truck Arrivals at Ports: Big Data for Traffic Prediction. 2022 , 1-17	0
69	A two-level random forest model for predicting the population distributions of urban functional zones: A case study in Changsha, China. 2023 , 88, 104297	3
68	Adaptive Driving Style Classification through Transfer Learning with Synthetic Oversampling. 2022 , 4, 1314-1331	0
67	Rapid detection of coal ash based on machine learning and X-ray fluorescence. 256, 663-676	0
66	Supervised machine learning to allocate emergency department resources in disaster situations. 2022 ,	0
65	Hybrid machine learning methods for risk assessment in gender-based crime. 2023 , 260, 110130	0
64	Artificial neural networks applications in partially shaded PV systems. 2023 , 37, 101612	2
63	Deep-Learning Based Beam Selection Technique for 6G Millimeter Wave Communication. 2022 ,	0
62	Effect of Different Training Algorithms in Artificial Neural Networks on the Rotor Unbalance Diagnosis. 2022 ,	0
61	Calibrating FBSDEs Driven Models in Finance via NNs. 2022 , 10, 227	0
60	Computer Vision and Pattern Recognition for the Analysis of 2D/3D Remote Sensing Data in Geoscience: A Survey. 2022 , 14, 6017	2
59	A new framework for APT attack detection based on network traffic. 2022 , 1-16	0
58	Artificial neural network-based modeling of flashlamp characteristics.	0
57	Explainable Deep-Learning-Based Depression Modeling of Elderly Community after COVID-19 Pandemic. 2022 , 10, 4408	1

56	A Deep Learning Semantic Segmentation Method for Landslide Scene Based on Transformer Architecture. 2022 , 14, 16311	0
55	HVAC control in buildings using neural network. 2022 , 105558	0
54	Integration of Flux Footprint and Physical Mechanism into Convolutional Neural Network Model for Enhanced Simulation of Urban Evapotranspiration. 2022 , 129016	0
53	Axial Capacity of FRP-Reinforced Concrete Columns: Computational Intelligence-Based Prognosis for Sustainable Structures. 2022 , 12, 2137	2
52	Modelling of the kinetics of red tilapia (<i>Oreochromis spp.</i>) viscera enzymatic hydrolysis using mathematical and neural network models. 2022 , 29, 1401-1410	0
51	Numerical investigation and deep learning-based prediction of heat transfer characteristics and bubble dynamics of subcooled flow boiling in a vertical tube. 2022 , 39, 3227-3245	1
50	Automatic Design of Metaheuristics for Practical Engineering Applications. 2023 , 1-1	0
49	Application of Artificial neural network technique for prediction of pavement roughness as a performance indicator. 2023 ,	0
48	Current and future role of data fusion and machine learning in infrastructure health monitoring. 1-30	0
47	Benchmarking of Machine Learning classifiers on plasma proteomic for COVID-19 severity prediction through interpretable artificial intelligence. 2023 , 102490	0
46	Hybrid Intelligence for Visual Identity Design: A Case Study. 2023 , 661-670	0
45	Rapid construction of safe-zone by active flow field control and sparse-sampling-perception-network for public indoor environments suffering from nerve agents. 2023 , 229, 109961	0
44	Survey of Key Descriptive References for Chemometric Methods Used for Spectroscopy: Part II. 2021 , 16-19	0
43	LightFFNet: MDD Prediction on EEG Quantitative Biomarkers. 2022 ,	0
42	A Review on Neural Network based Gait Estimation Methods. 2022 ,	0
41	Flexible artificial intelligence optimization for smart home energy systems with V2X. 2022 ,	0
40	On Propagation of Cyber-Attacks in Wide-Area Measurement Systems. 2022 ,	0
39	Constructing a pollen proxy from low-cost Optical Particle Counter (OPC) data processed with Neural Networks and Random Forests. 2023 , 871, 161969	0

- 38 Control of direct current motor by using artificial neural networks in Internal model control scheme. **2023**, 51, 109-116 ○
- 37 Industry 4.0-Based Framework for Real-Time Prediction of Output Power of Multi-Emitter Laser Modules during the Assembly Process. **2023**, 12, 766 ○
- 36 Deep Learning in Air Traffic Management (ATM): A Survey on Applications, Opportunities, and Open Challenges. **2023**, 10, 358 ○
- 35 On the Analyses of Medical Images Using Traditional Machine Learning Techniques and Convolutional Neural Networks. ○
- 34 Machine learning reconstruction of depth-dependent thermal conductivity profile from pump-probe thermoreflectance signals. **2023**, 122, 142201 ○
- 33 Hierarchical reconstruction of 3D well-connected porous media from 2D exemplars using statistics-informed neural network. **2023**, 410, 116049 ○
- 32 Corrosion effect on bond behavior between rebar and concrete using Bayesian regularized feed-forward neural network. **2023**, 51, 1525-1538 ○
- 31 Real-time flashover prediction model for multi-compartment building structures using attention based recurrent neural networks. **2023**, 223, 119899 ○
- 30 A deep learning approach for solving diffusion-induced stress in large-deformed thin film electrodes. **2023**, 63, 107037 ○
- 29 Soft computing modeling on air-cured slag-fly ash-glass powder-based alkali activated masonry elements developed using different industrial waste aggregates. ○
- 28 Bond prediction of stainless-steel reinforcement using artificial neural networks. 1-11 ○
- 27 Influence of hydrological state on trophic state in dam induced seasonally inundated flood plain wetland. **2023**, ○
- 26 Dynamic model and deep neural network-based surrogate model to predict dynamic behaviors and steady-state performance of solid propellant combustion. **2023**, 250, 112649 ○
- 25 Machine Learning Enabled P300 Classifier for Autism Spectrum Disorder Using Adaptive Signal Decomposition. **2023**, 13, 315 ○
- 24 Feed-Forward Deep Neural Network (FFDNN)-Based Deep Features for Static Malware Detection. **2023**, 2023, 1-20 ○
- 23 Neural Networks for Hyperspectral Imaging of Historical Paintings: A Practical Review. **2023**, 23, 2419 ○
- 22 Double-head transformer neural network for molecular property prediction. **2023**, 15, ○
- 21 Spatial prediction of soil contamination based on machine learning: a review. **2023**, 17, ○

- 20 Inferring synchronizability of networked heterogeneous oscillators with machine learning. **2023**, 107, ○
- 19 Informative regularization for a multi-layer perceptron RR Lyrae classifier under data shift. **2023**, 43, 100694 ○
- 18 Neural Network Prediction Model of Cocrystal Melting Temperature Based on Molecular Descriptors and Graphs. **2023**, 23, 2540-2549 ○
- 17 A Device Fingerprinting Technique to Authenticate End-user Devices in Wireless Networks. **2022**, ○
- 16 A deep learning architecture for energy service demand estimation in transport sector for Shared Socioeconomic Pathways. **2023**, 13, ○
- 15 Predicting Renewable Curtailment in Distribution Grids Using Neural Networks. **2023**, 11, 20319-20336 ○
- 14 Investigation of Fiber Content and Porosity Effects on Tensile Strength in Long-Fiber-Reinforced Thermoplastics Using Artificial Neural Network. **2023**, 24, 1389-1400 ○
- 13 Detecting Weak Physical Signal from Noise: A Machine-Learning Approach with Applications to Magnetic-Anomaly-Guided Navigation. **2023**, 19, ○
- 12 Capacity-Based Trust System in Untrusted MEC Environments. **2022**, ○
- 11 Exploring Prognostic and Diagnostic Techniques for Jet Engine Health Monitoring: A Review of Degradation Mechanisms and Advanced Prediction Strategies. **2023**, 16, 2711 ○
- 10 Multimodal Convolutional Neural Network Models Allow for the Accurate Classification and Grading of Preoperative Meningioma Brain Tumors. ○
- 9 A review on image captioning system from artificial intelligence, machine learning and deep learning techniques. **2022**, 9, 17 ○
- 8 Architecture Search for Deep Neural Network. **2023**, 581-596 ○
- 7 Automatic disease prediction from human gut metagenomic data using boosting GraphSAGE. **2023**, 24, ○
- 6 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 ○
- 5 Knowledge-aware sequence modelling with deep learning for online course recommendation. **2023**, 60, 103377 ○
- 4 Non-destructive method for identification and classification of varieties and quality of coffee beans based on soft computing models using VIS/NIR spectroscopy. ○
- 3 High Resolution Estimation of Ocean Dissolved Inorganic Carbon, Total Alkalinity and pH Based on Deep Learning. **2023**, 15, 1454 ○

2 Proposing empirical correlations and optimization of Nu and Sgen. **2023**, 45, 102970 ○

1 Deep Recurrent Neural Network Performing Spectral Recurrence on Hyperspectral Images for Brain Tissue Classification. **2023**, 15-27 ○