

Ioannis E Livieris

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,404
citations

430442

18
h-index

360668

35
g-index

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all docs

59
docs citations

59
times ranked

863
citing authors

#	ARTICLE	IF	CITATIONS
1	A dropout weight-constrained recurrent neural network model for forecasting the price of major cryptocurrencies and CCI30 index. <i>Evolving Systems</i> , 2022, 13, 85-100.	2.4	12
2	A novel multi-step forecasting strategy for enhancing deep learning models' performance. <i>Neural Computing and Applications</i> , 2022, 34, 19453-19470.	3.2	8
3	On ensemble techniques of weight-constrained neural networks. <i>Evolving Systems</i> , 2021, 12, 155-167.	2.4	23
4	Smoothing and stationarity enforcement framework for deep learning time-series forecasting. <i>Neural Computing and Applications</i> , 2021, 33, 14021-14035.	3.2	15
5	Automatic classification of solitary pulmonary nodules in PET/CT imaging employing transfer learning techniques. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 1299-1310.	1.6	17
6	A novel explainable image classification framework: case study on skin cancer and plant disease prediction. <i>Neural Computing and Applications</i> , 2021, 33, 15171-15189.	3.2	16
7	An Advanced CNN-LSTM Model for Cryptocurrency Forecasting. <i>Electronics (Switzerland)</i> , 2021, 10, 287.	1.8	73
8	An Autoencoder Convolutional Neural Network Framework for Sarcopenia Detection Based on Multi-frame Ultrasound Image Slices. <i>IFIP Advances in Information and Communication Technology</i> , 2021, , 209-219.	0.5	2
9	A Convolutional Autoencoder Topology for Classification in High-Dimensional Noisy Image Datasets. <i>Sensors</i> , 2021, 21, 7731.	2.1	24
10	An improved weight-constrained neural network training algorithm. <i>Neural Computing and Applications</i> , 2020, 32, 4177-4185.	3.2	12
11	An Alternating Sum of Fibonacci and Lucas Numbers of Order k. <i>Mathematics</i> , 2020, 8, 1487.	1.1	3
12	A Multiple-Input Neural Network Model for Predicting Cotton Production Quantity: A Case Study. <i>Algorithms</i> , 2020, 13, 273.	1.2	11
13	Fuzzy Information Diffusion in Twitter by Considering User's Influence. <i>International Journal on Artificial Intelligence Tools</i> , 2020, 29, 2040003.	0.7	5
14	Ensemble Deep Learning Models for Forecasting Cryptocurrency Time-Series. <i>Algorithms</i> , 2020, 13, 121.	1.2	69
15	Special Issue on Ensemble Learning and Applications. <i>Algorithms</i> , 2020, 13, 140.	1.2	45
16	Explainable Machine Learning Framework for Image Classification Problems: Case Study on Glioma Cancer Prediction. <i>Journal of Imaging</i> , 2020, 6, 37.	1.7	39
17	A novel validation framework to enhance deep learning models in time-series forecasting. <i>Neural Computing and Applications</i> , 2020, 32, 17149-17167.	3.2	42
18	An advanced active set L-BFGS algorithm for training weight-constrained neural networks. <i>Neural Computing and Applications</i> , 2020, 32, 6669-6684.	3.2	14

#	ARTICLE	IF	CITATIONS
19	A CNNâ€™LSTM model for gold price time-series forecasting. Neural Computing and Applications, 2020, 32, 17351-17360.	3.2	375
20	Investigating the Problem of Cryptocurrency Price Prediction: A Deep Learning Approach. IFIP Advances in Information and Communication Technology, 2020, , 99-110.	0.5	29
21	An Advanced Deep Learning Model for Short-Term Forecasting U.S. Natural Gas Price and Movement. IFIP Advances in Information and Communication Technology, 2020, , 165-176.	0.5	15
22	A Grey-Box Ensemble Model Exploiting Black-Box Accuracy and White-Box Intrinsic Interpretability. Algorithms, 2020, 13, 17.	1.2	72
23	An Improved Self-Labeled Algorithm for Cancer Prediction. Advances in Experimental Medicine and Biology, 2020, 1194, 331-342.	0.8	3
24	DTCo: An Ensemble SSL Algorithm for X-ray Classification. Advances in Experimental Medicine and Biology, 2020, 1194, 263-274.	0.8	1
25	High Performance Machine Learning Models of Large Scale Air Pollution Data in Urban Area. Cybernetics and Information Technologies, 2020, 20, 49-60.	0.4	9
26	Apache Spark Implementations for String Patterns in DNA Sequences. Advances in Experimental Medicine and Biology, 2020, 1194, 439-453.	0.8	0
27	Weight-Constrained Neural Networks in Forecasting Tourist Volumes: A Case Study. Electronics (Switzerland), 2019, 8, 1005.	1.8	9
28	Detecting Lung Abnormalities From X-rays Using an Improved SSL Algorithm. Electronic Notes in Theoretical Computer Science, 2019, 343, 19-33.	0.9	6
29	Prediction of Studentsâ€™ Graduation Time Using a Two-Level Classification Algorithm. Communications in Computer and Information Science, 2019, , 553-565.	0.4	9
30	Improving the Classification Efficiency of an ANN Utilizing a New Training Methodology. Informatics, 2019, 6, 1.	2.4	34
31	Forecasting Studentsâ€™ Performance Using an Ensemble SSL Algorithm. Communications in Computer and Information Science, 2019, , 566-581.	0.4	3
32	An adaptive nonmonotone active set â€™ weight constrained â€™ neural network training algorithm. Neurocomputing, 2019, 360, 294-303.	3.5	10
33	Employing Constrained Neural Networks for Forecasting New Productâ€™s Sales Increase. IFIP Advances in Information and Communication Technology, 2019, , 161-172.	0.5	4
34	Forecasting Economy-Related Data Utilizing Weight-Constrained Recurrent Neural Networks. Algorithms, 2019, 12, 85.	1.2	13
35	A Weighted Voting Ensemble Self-Labeled Algorithm for the Detection of Lung Abnormalities from X-Rays. Algorithms, 2019, 12, 64.	1.2	31
36	Gender Recognition by Voice using an Improved Self-Labeled Algorithm. Machine Learning and Knowledge Extraction, 2019, 1, 492-503.	3.2	37

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37	Predicting Secondary School Students' Performance Utilizing a Semi-supervised Learning Approach. Journal of Educational Computing Research, 2019, 57, 448-470.	3.6	53
38	A new ensemble self-labeled semi-supervised algorithm. Informatica (Slovenia), 2019, 43, .	0.6	14
39	A descent hybrid conjugate gradient method based on the memoryless BFGS update. Numerical Algorithms, 2018, 79, 1169-1185.	1.1	19
40	On Ensemble SSL Algorithms for Credit Scoring Problem. Informatics, 2018, 5, 40.	2.4	14
41	Performance Evaluation of an SSL Algorithm for Forecasting the Dow Jones Index Stocks. , 2018, , .		2
42	An Ensemble SSL Algorithm for Efficient Chest X-Ray Image Classification. Journal of Imaging, 2018, 4, 95.	1.7	28
43	Decision Support Software for Forecasting Patient's Length of Stay. Algorithms, 2018, 11, 199.	1.2	14
44	Predicting length of stay in hospitalized patients using SSL algorithms. , 2018, , .		5
45	An identity relating Fibonacci and Lucas numbers of order k. Electronic Notes in Discrete Mathematics, 2018, 70, 37-42.	0.4	1
46	An Ensemble-Based Semi-Supervised Approach for Predicting Students' Performance. , 2018, , 25-42.		17
47	An Auto-Adjustable Semi-Supervised Self-Training Algorithm. Algorithms, 2018, 11, 139.	1.2	18
48	Identification of Blood Cell Subtypes from Images Using an Improved SSL Algorithm. Biomedical Journal of Scientific & Technical Research, 2018, 9, .	0.0	6
49	Enhancing high school students' performance based on semi-supervised methods. , 2017, , .		4
50	A limited memory descent Perry conjugate gradient method. Optimization Letters, 2016, 10, 1725-1742.	0.9	3
51	A new class of nonmonotone conjugate gradient training algorithms. Applied Mathematics and Computation, 2015, 266, 404-413.	1.4	5
52	A modified Perry conjugate gradient method and its global convergence. Optimization Letters, 2015, 9, 999-1015.	0.9	3
53	A new conjugate gradient algorithm for training neural networks based on a modified secant equation. Applied Mathematics and Computation, 2013, 221, 491-502.	1.4	31
54	A new class of spectral conjugate gradient methods based on a modified secant equation for unconstrained optimization. Journal of Computational and Applied Mathematics, 2013, 239, 396-405.	1.1	21

#	ARTICLE	IF	CITATIONS
55	A Descent Dai-Liao Conjugate Gradient Method Based on a Modified Secant Equation and Its Global Convergence. , 2012, 2012, 1-8.		13
56	AN IMPROVED SPECTRAL CONJUGATE GRADIENT NEURAL NETWORK TRAINING ALGORITHM. International Journal on Artificial Intelligence Tools, 2012, 21, 1250009.	0.7	8
57	Globally convergent modified Perry's conjugate gradient method. Applied Mathematics and Computation, 2012, 218, 9197-9207.	1.4	27
58	An Advanced Conjugate Gradient Training Algorithm Based on a Modified Secant Equation. , 2012, 2012, 1-9.		6