

# Ioannis E Livieris

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,404  
citations

430874

18  
h-index

361022

35  
g-index

59  
all docs

59  
docs citations

59  
times ranked

863  
citing authors

#	ARTICLE	IF	CITATIONS
1	A CNN&LSTM model for gold price time-series forecasting. Neural Computing and Applications, 2020, 32, 17351-17360.	5.6	375
2	An Advanced CNN-LSTM Model for Cryptocurrency Forecasting. Electronics (Switzerland), 2021, 10, 287.	3.1	73
3	A Grey-Box Ensemble Model Exploiting Black-Box Accuracy and White-Box Intrinsic Interpretability. Algorithms, 2020, 13, 17.	2.1	72
4	Ensemble Deep Learning Models for Forecasting Cryptocurrency Time-Series. Algorithms, 2020, 13, 121.	2.1	69
5	Predicting Secondary School Students' Performance Utilizing a Semi-supervised Learning Approach. Journal of Educational Computing Research, 2019, 57, 448-470.	5.5	53
6	Special Issue on Ensemble Learning and Applications. Algorithms, 2020, 13, 140.	2.1	45
7	A novel validation framework to enhance deep learning models in time-series forecasting. Neural Computing and Applications, 2020, 32, 17149-17167.	5.6	42
8	Explainable Machine Learning Framework for Image Classification Problems: Case Study on Glioma Cancer Prediction. Journal of Imaging, 2020, 6, 37.	3.0	39
9	Gender Recognition by Voice using an Improved Self-Labeled Algorithm. Machine Learning and Knowledge Extraction, 2019, 1, 492-503.	5.0	37
10	Improving the Classification Efficiency of an ANN Utilizing a New Training Methodology. Informatics, 2019, 6, 1.	3.9	34
11	A new conjugate gradient algorithm for training neural networks based on a modified secant equation. Applied Mathematics and Computation, 2013, 221, 491-502.	2.2	31
12	A Weighted Voting Ensemble Self-Labeled Algorithm for the Detection of Lung Abnormalities from X-Rays. Algorithms, 2019, 12, 64.	2.1	31
13	Investigating the Problem of Cryptocurrency Price Prediction: A Deep Learning Approach. IFIP Advances in Information and Communication Technology, 2020, , 99-110.	0.7	29
14	An Ensemble SSL Algorithm for Efficient Chest X-Ray Image Classification. Journal of Imaging, 2018, 4, 95.	3.0	28
15	Globally convergent modified Perry&TM's conjugate gradient method. Applied Mathematics and Computation, 2012, 218, 9197-9207.	2.2	27
16	A Convolutional Autoencoder Topology for Classification in High-Dimensional Noisy Image Datasets. Sensors, 2021, 21, 7731.	3.8	24
17	On ensemble techniques of weight-constrained neural networks. Evolving Systems, 2021, 12, 155-167.	3.9	23
18	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.	2.0	21

#	ARTICLE	IF	CITATIONS
19	A descent hybrid conjugate gradient method based on the memoryless BFGS update. Numerical Algorithms, 2018, 79, 1169-1185.	1.9	19
20	An Auto-Adjustable Semi-Supervised Self-Training Algorithm. Algorithms, 2018, 11, 139.	2.1	18
21	An Ensemble-Based Semi-Supervised Approach for Predicting Students' Performance. , 2018, , 25-42.		17
22	Automatic classification of solitary pulmonary nodules in PET/CT imaging employing transfer learning techniques. Medical and Biological Engineering and Computing, 2021, 59, 1299-1310.	2.8	17
23	A novel explainable image classification framework: case study on skin cancer and plant disease prediction. Neural Computing and Applications, 2021, 33, 15171-15189.	5.6	16
24	Smoothing and stationarity enforcement framework for deep learning time-series forecasting. Neural Computing and Applications, 2021, 33, 14021-14035.	5.6	15
25	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.	0.7	15
26	On Ensemble SSL Algorithms for Credit Scoring Problem. Informatics, 2018, 5, 40.	3.9	14
27	Decision Support Software for Forecasting Patients' Length of Stay. Algorithms, 2018, 11, 199.	2.1	14
28	An advanced active set L-BFGS algorithm for training weight-constrained neural networks. Neural Computing and Applications, 2020, 32, 6669-6684.	5.6	14
29	A new ensemble self-labeled semi-supervised algorithm. Informatica (Slovenia), 2019, 43, .	0.9	14
30	A Descent Dai-Liao Conjugate Gradient Method Based on a Modified Secant Equation and Its Global Convergence. , 2012, 2012, 1-8.		13
31	Forecasting Economy-Related Data Utilizing Weight-Constrained Recurrent Neural Networks. Algorithms, 2019, 12, 85.	2.1	13
32	An improved weight-constrained neural network training algorithm. Neural Computing and Applications, 2020, 32, 4177-4185.	5.6	12
33	A dropout weight-constrained recurrent neural network model for forecasting the price of major cryptocurrencies and CCI30 index. Evolving Systems, 2022, 13, 85-100.	3.9	12
34	A Multiple-Input Neural Network Model for Predicting Cotton Production Quantity: A Case Study. Algorithms, 2020, 13, 273.	2.1	11
35	An adaptive nonmonotone active set "weight constrained" neural network training algorithm. Neurocomputing, 2019, 360, 294-303.	5.9	10
36	Weight-Constrained Neural Networks in Forecasting Tourist Volumes: A Case Study. Electronics (Switzerland), 2019, 8, 1005.	3.1	9

#	ARTICLE	IF	CITATIONS
37	Prediction of Studentsâ€™ Graduation Time Using a Two-Level Classification Algorithm. Communications in Computer and Information Science, 2019, , 553-565.	0.5	9
38	High Performance Machine Learning Models of Large Scale Air Pollution Data in Urban Area. Cybernetics and Information Technologies, 2020, 20, 49-60.	1.1	9
39	AN IMPROVED SPECTRAL CONJUGATE GRADIENT NEURAL NETWORK TRAINING ALGORITHM. International Journal on Artificial Intelligence Tools, 2012, 21, 1250009.	1.0	8
40	A novel multi-step forecasting strategy for enhancing deep learning modelsâ€™ performance. Neural Computing and Applications, 2022, 34, 19453-19470.	5.6	8
41	Detecting Lung Abnormalities From X-rays Using an Improved SSL Algorithm. Electronic Notes in Theoretical Computer Science, 2019, 343, 19-33.	0.9	6
42	Identification of Blood Cell Subtypes from Images Using an Improved SSL Algorithm. Biomedical Journal of Scientific & Technical Research, 2018, 9, .	0.1	6
43	An Advanced Conjugate Gradient Training Algorithm Based on a Modified Secant Equation. , 2012, 2012, 1-9.		6
44	A new class of nonmonotone conjugate gradient training algorithms. Applied Mathematics and Computation, 2015, 266, 404-413.	2.2	5
45	Predicting length of stay in hospitalized patients using SSL algorithms. , 2018, , .		5
46	Fuzzy Information Diffusion in Twitter by Considering Userâ€™s Influence. International Journal on Artificial Intelligence Tools, 2020, 29, 2040003.	1.0	5
47	Enhancing high school students' performance based on semi-supervised methods. , 2017, , .		4
48	Employing Constrained Neural Networks for Forecasting New Productâ€™s Sales Increase. IFIP Advances in Information and Communication Technology, 2019, , 161-172.	0.7	4
49	A modified Perry conjugate gradient method and its global convergence. Optimization Letters, 2015, 9, 999-1015.	1.6	3
50	A limited memory descent Perry conjugate gradient method. Optimization Letters, 2016, 10, 1725-1742.	1.6	3
51	Forecasting Studentsâ€™ Performance Using an Ensemble SSL Algorithm. Communications in Computer and Information Science, 2019, , 566-581.	0.5	3
52	An Alternating Sum of Fibonacci and Lucas Numbers of Order k. Mathematics, 2020, 8, 1487.	2.2	3
53	An Improved Self-Labeled Algorithm for Cancer Prediction. Advances in Experimental Medicine and Biology, 2020, 1194, 331-342.	1.6	3
54	Performance Evaluation of an SSL Algorithm for Forecasting the Dow Jones Index Stocks. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
55	An Autoencoder Convolutional Neural Network Framework for Sarcopenia Detection Based on Multi-frame Ultrasound Image Slices. IFIP Advances in Information and Communication Technology, 2021, , 209-219.	0.7	2
56	An identity relating Fibonacci and Lucas numbers of order k. Electronic Notes in Discrete Mathematics, 2018, 70, 37-42.	0.4	1
57	DTCO: An Ensemble SSL Algorithm for X-ray Classification. Advances in Experimental Medicine and Biology, 2020, 1194, 263-274.	1.6	1
58	Apache Spark Implementations for String Patterns in DNA Sequences. Advances in Experimental Medicine and Biology, 2020, 1194, 439-453.	1.6	0