

Seiichi Ozawa

List of Publications by Year in descending order

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88
papers

1,099
citations

687363

13
h-index

434195

31
g-index

89
all docs

89
docs citations

89
times ranked

795
citing authors

#	ARTICLE	IF	CITATIONS
1	Incremental Linear Discriminant Analysis for Classification of Data Streams. IEEE Transactions on Systems, Man, and Cybernetics, 2005, 35, 905-914.	5.0	279
2	Incremental Learning of Chunk Data for Online Pattern Classification Systems. IEEE Transactions on Neural Networks, 2008, 19, 1061-1074.	4.2	106
3	Incremental learning of feature space and classifier for face recognition. Neural Networks, 2005, 18, 575-584.	5.9	103
4	Online feature extraction based on accelerated kernel principal component analysis for data stream. Evolving Systems, 2016, 7, 15-27.	3.9	61
5	A Multitask Learning Model for Online Pattern Recognition. IEEE Transactions on Neural Networks, 2009, 20, 430-445.	4.2	51
6	A machine learning approach to detection of JavaScript-based attacks using AST features and paragraph vectors. Applied Soft Computing Journal, 2019, 84, 105721.	7.2	49
7	Deobfuscation, unpacking, and decoding of obfuscated malicious JavaScript for machine learning models detection performance improvement. CAAI Transactions on Intelligence Technology, 2020, 5, 184-192.	8.1	38
8	Incremental linear discriminant analysis for evolving feature spaces in multitask pattern recognition problems. Evolving Systems, 2010, 1, 17-27.	3.9	28
9	Incremental two-dimensional kernel principal component analysis. Neurocomputing, 2014, 134, 280-288.	5.9	28
10	Large-scale cyber attacks monitoring using Evolving Cauchy Possibilistic Clustering. Applied Soft Computing Journal, 2018, 62, 592-601.	7.2	25
11	A study of IoT malware activities using association rule learning for darknet sensor data. International Journal of Information Security, 2020, 19, 83-92.	3.4	25
12	A Modified Incremental Principal Component Analysis for On-Line Learning of Feature Space and Classifier. Lecture Notes in Computer Science, 2004, , 231-240.	1.3	19
13	t-Distributed stochastic neighbor embedding spectral clustering. , 2017, , .		16
14	An Efficient Incremental Kernel Principal Component Analysis for Online Feature Selection. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	14
15	Incremental two-dimensional two-directional principal component analysis ($I(2D)^2$ PCA) for face recognition. , 2011, , .		14
16	Sentiment analysis for various SNS media using Naïve Bayes classifier and its application to flaming detection. , 2014, , .		14
17	A Darknet Traffic Analysis for IoT Malwares Using Association Rule Learning. Procedia Computer Science, 2018, 144, 118-123.	2.0	14
18	eFL-Boost: Efficient Federated Learning for Gradient Boosting Decision Trees. IEEE Access, 2022, 10, 43954-43963.	4.2	12

#	ARTICLE	IF	CITATIONS
19	An artificial modular neural network and its basic dynamical characteristics. <i>Biological Cybernetics</i> , 1998, 78, 19-36.	1.3	11
20	Detection of DDoS Backscatter Based on Traffic Features of Darknet TCP Packets. , 2014, , .		11
21	A Fast Incremental Kernel Principal Component Analysis for Online Feature Extraction. <i>Lecture Notes in Computer Science</i> , 2010, , 487-497.	1.3	9
22	Large-Scale Monitoring for Cyber Attacks by Using Cluster Information on Darknet Traffic Features. <i>Procedia Computer Science</i> , 2015, 53, 175-182.	2.0	8
23	New Approaches to Federated XGBoost Learning for Privacy-Preserving Data Analysis. <i>Lecture Notes in Computer Science</i> , 2020, , 558-569.	1.3	8
24	Detection of gas leakage sound using modular neural networks for unknown environments. <i>Neurocomputing</i> , 2004, 62, 427-440.	5.9	7
25	Tuning membership functions of kernel fuzzy classifiers by maximizing margins. <i>Memetic Computing</i> , 2009, 1, 221-228.	4.0	7
26	Feature Extraction Using Independent Components of Each Category. <i>Neural Processing Letters</i> , 2005, 22, 113-124.	3.2	6
27	A real-time personal authentication system based on incremental feature extraction and classification of audiovisual information. <i>Evolving Systems</i> , 2011, 2, 261-272.	3.9	6
28	An incremental learning algorithm of Recursive Fisher Linear Discriminant. , 2009, , .		5
29	A fast incremental Kernel Principal Component Analysis for learning stream of data chunks. , 2011, , .		5
30	A Sequential Multi-task Learning Neural Network with Metric-Based Knowledge Transfer. , 2012, , .		5
31	An improvement of incremental recursive fisher linear discriminant for online feature extraction. <i>Electronics and Communications in Japan</i> , 2013, 96, 29-40.	0.5	5
32	A sentiment polarity prediction model using transfer learning and its application to SNS flaming event detection. , 2016, , .		5
33	Logo Detection With No Priors. <i>IEEE Access</i> , 2021, 9, 106998-107011.	4.2	5
34	Extension of Incremental Linear Discriminant Analysis to Online Feature Extraction under Nonstationary Environments. <i>Lecture Notes in Computer Science</i> , 2012, , 640-647.	1.3	5
35	A Neural Network Model for Large-Scale Stream Data Learning Using Locally Sensitive Hashing. <i>Lecture Notes in Computer Science</i> , 2013, , 369-376.	1.3	5
36	Frequency-Based Enhancement Network for Efficient Super-Resolution. <i>IEEE Access</i> , 2022, 10, 57383-57397.	4.2	5

#	ARTICLE	IF	CITATIONS
37	Radial Basis Function Network for Multitask Pattern Recognition. Neural Processing Letters, 2011, 33, 283-299.	3.2	4
38	Evolving cauchy possibilistic clustering and its application to large-scale cyberattack monitoring. , 2017, , .		4
39	Feature Extraction of Digit Patterns Utilizing Independent Component Analysis. IEEJ Transactions on Electronics, Information and Systems, 2002, 122, 465-470.	0.2	4
40	Signal Processing of Speech Using Independent Component Analysis Based on Information Maximization Algorithm. Transactions of the Society of Instrument and Control Engineers, 2000, 36, 456-458.	0.2	4
41	A Continuous-Time Model of Autoassociative Neural Memories Utilizing the Noise-Subspace Dynamics. Neural Processing Letters, 1999, 10, 97-109.	3.2	3
42	Incremental Learning for Multitask Pattern Recognition Problems. , 2008, , .		3
43	A property of learning chunk data using incremental kernel principal component analysis. , 2012, , .		3
44	A robust incremental principal component analysis for feature extraction from stream data with missing values. , 2013, , .		3
45	An autonomous online malicious spam email detection system using extended RBF network. , 2015, , .		3
46	An Autonomous Learning Algorithm of Resource Allocating Network. Lecture Notes in Computer Science, 2009, , 134-141.	1.3	3
47	A Neural Network Model for Online Multi-Task Multi-Label Pattern Recognition. Lecture Notes in Computer Science, 2013, , 162-169.	1.3	3
48	Improving the Accuracy of Sentiment Analysis of SNS Comments Using Transfer Learning and Its Application to Flaming Detection. IEEJ Transactions on Electronics, Information and Systems, 2016, 136, 340-347.	0.2	3
49	An autonomous incremental learning algorithm of Resource Allocating Network for online pattern recognition. , 2010, , .		2
50	A Neural Network Model for Learning Data Stream with Multiple Class Labels. , 2011, , .		2
51	Stochastic collapsed variational Bayesian inference for biterm topic model. , 2016, , .		2
52	Personality Trait Analysis in Social Networks Based on Weakly Supervised Learning of Shared Images. Applied Sciences (Switzerland), 2020, 10, 8170.	2.5	2
53	Acoustic Diagnosis with Modular Neural Networks to Adapt Dynamic Environment. Transactions of the Society of Instrument and Control Engineers, 2000, 36, 797-803.	0.2	2
54	Incremental Learning Algorithm for Feedforward Neural Network with Long-Term Memory. Transactions of the Society of Instrument and Control Engineers, 2002, 38, 792-799.	0.2	2

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55	A Fast Incremental Learning for Radial Basis Function Networks Using Local Linear Regression. IEEJ Transactions on Electronics, Information and Systems, 2010, 130, 1667-1673.	0.2	2
56	Adaptive Face Recognition System Using Fast Incremental Principal Component Analysis. Lecture Notes in Computer Science, 2007, , 396-405.	1.3	2
57	Detecting Web-Based Attacks with SHAP and Tree Ensemble Machine Learning Methods. Applied Sciences (Switzerland), 2022, 12, 60.	2.5	2
58	An associative memory model derived from cross-coupled Hopfield nets and its role in noise-space dynamics. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 1998, 125, 27-34.	0.4	1
59	Feature extraction by supervised independent component analysis based on category information. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2007, 161, 25-32.	0.4	1
60	Curiosity driven incremental LDA agent active learning. , 2009, , .		1
61	Adaptive incremental principal component analysis in nonstationary online learning environments. , 2009, , .		1
62	Incremental 2-directional 2-dimensional linear discriminant analysis for multitask pattern recognition. , 2011, , .		1
63	A sequential multitask learning algorithm for pattern recognition. , 2012, , .		1
64	A fast online learning algorithm of radial basis function network with locality sensitive hashing. Evolving Systems, 2016, 7, 173-186.	3.9	1
65	Multidimensional Unfolding Based on Stochastic Neighbor Relationship. , 2017, , .		1
66	An Incremental Learning Algorithm for Resource Allocating Networks Based on Local Linear Regression. Lecture Notes in Computer Science, 2009, , 562-569.	1.3	1
67	Incremental Principal Component Analysis Based on Adaptive Accumulation Ratio. Lecture Notes in Computer Science, 2009, , 1196-1203.	1.3	1
68	An Improvement of Incremental Recursive Fisher Linear Discriminant for Online Feature Extraction. IEEJ Transactions on Electronics, Information and Systems, 2011, 131, 1368-1376.	0.2	1
69	Port-Piece Embedding for Darknet Traffic Features and Clustering of Scan Attacks. Lecture Notes in Computer Science, 2020, , 593-603.	1.3	1
70	An Easily Installed Method of the Estimation of Soybean Yield Based on Meteorological Environments with Regression Analysis. Engineering Proceedings, 2021, 9, 26.	0.4	1
71	An online face recognition system with incremental learning ability. , 2007, , .		0
72	Boosting Kernel Discriminant Analysis for pattern classification. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
73	An Incremental Principal Component Analysis based on dynamic accumulation ratio. , 2008, , .		0
74	A reinforcement learning model using macro-actions in multi-task grid-world problems. , 2009, , .		0
75	Incremental recursive fisher linear discriminant for online feature extraction. , 2011, , .		0
76	Guest editorial: Evolving autonomous systems under realistic environments. Evolving Systems, 2011, 2, 215-217.	3.9	0
77	A fast Incremental Kernel Principal Component Analysis for data streams. , 2014, , .		0
78	An Architecture Design Method of Modular Dynamical Neural Networks Using Genetic Algorithms. Transactions of the Society of Instrument and Control Engineers, 2000, 36, 298-305.	0.2	0
79	Performance Improvement fo Dynamical Associative Memories by Solving Linear Inequalities. IEEJ Transactions on Electronics, Information and Systems, 2001, 121, 899-905.	0.2	0
80	Redundancy Reduction of Features by Independent Component Analysis. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2001, 2001, 253-258.	0.2	0
81	Pattern Recognition Method Using Independent Components for Each Class. IEEJ Transactions on Electronics, Information and Systems, 2005, 125, 807-812.	0.2	0
82	Feature Extraction by Supervised Independent Component Analysis Based on Category Information. IEEJ Transactions on Electronics, Information and Systems, 2006, 126, 542-547.	0.2	0
83	A Reinforcement Learning Model with Function of Generating Macro-Actions in Grid-World Maze Problems and a Study on its Learning Property. IEEJ Transactions on Electronics, Information and Systems, 2009, 129, 735-743.	0.2	0
84	A Real-Time Personal Authentication System with Selective Attention and Incremental Learning Mechanism in Feature Extraction and Classifier. Lecture Notes in Computer Science, 2010, , 445-455.	1.3	0
85	A Neural Network Model to Learn Multiple Tasks under Dynamic Environments. IEEJ Transactions on Electronics, Information and Systems, 2010, 130, 21-28.	0.2	0
86	Online Feature Extraction Algorithms for Data Streams. IEEJ Transactions on Electronics, Information and Systems, 2012, 132, 6-13.	0.2	0
87	Neural Network Approaches to Robot Control. Journal of the Robotics Society of Japan, 1993, 11, 44-48.	0.1	0
88	An Associative Memory Modell Derived from Cross-Coupled Hopfield Nets and The Roll of Noise-Space Dynamics. IEEJ Transactions on Electronics, Information and Systems, 1997, 117, 1253-1258.	0.2	0