# Xu Ye, Shen Furao, Zhao Jinxi. An incremental learning vector quantization algorithm for pattern classification. Neural *Computing and Applications,* 2012, 21(9): 1205-1215.

**该文被引用20次，他引20，其中SCI引用3次，SCI他引3：**

* 1. Junsawang Prem, Phimoltares Suphakant, Lursinsap Chidchanok. A fast learning method for streaming and randomly ordered multi-class data chunks by using one-pass-throw-away class-wise learning concept. **Expert Systems with Applications,** 2016, 63:249-266, (SCI检索号DU5TH)
  2. Xing Youlu, Shen Furao, Zhao Jinxi. Perception Evolution Network Based on Cognition Deepening Model-Adapting to the Emergence of New Sensory Receptor. **IEEE Transactions on Neural Networks and Learning Systems,** 2016, 27(3):607-620. (SCI检索号DG4EB)
  3. Seera Manjeevan, Lim Chee Peng. Transfer learning using the online Fuzzy Min-Max neural network. **Neural Computing & Applications,** 2014, 25(2):469-480. (SCI检索号AL8KO)
  4. Wang Jingyan, Zhou Yihua, Yin Ming, Chen Shaochang, Edwards Benjamin. Representing Data by Sparse Combination of Contextual Data Points for Classification. **12th International Symposium on Neural Networks (ISNN),** 2015, 9377: 373-381.
  5. Fischer Lydia, Hammer Barbara, Wersing Heiko. Combining Offline and Online Classifiers for Life-long Learning. **2015 International Joint Conference on Neur Networks (IJCNN),** 2015.
  6. Li Juan, Wang Yuping. Adaptive Boundary Approximation Prototype Selection Algorithm. **Pattern** **Recognition and Artificial Intelligence,** 2015, 28(6):568-576.
  7. Li Juan, Wang Yuping. An Incremental Learning Vector Quantization Algorithm Based Pattern Density and Classification Error Ratio. **Acta Automatica Sinica,** 2015, 41(6):1187-1200.
  8. Li Juan, Wang Yuping. A Fast Neighbor Prototype Selection Algorithm Based on Local Mean and Class Global Information. **Acta Automatica Sinica**, 2014, 40(6):1116-1125.
  9. Li Juan, Wang Yuping. A Nearest Prototype Selection Algorithm Using Multi-objective Optimization and Partition. **2013 9th International Conference on Computational Intelligence and Security (CIS),** 2013, p246-268.
  10. Xuejie Li，Jingbin Wang，Ming Yin，Benjamin Edwards，Peijuan Xu. Supervised learning of sparse context reconstruction coefficients for data representation and classification. **Neural Computing and Applications,** 2015, 28:135-143.
  11. Jingyan Wang, Yihua Zhou, Ming Yin, Shaochang Chen, Benjamin Edwards. Representing Data by Sparse Combination of Contextual Data Points for Classification. **[Advances in Neural Networks – ISNN 2015](http://link.springer.com/book/10.1007/978-3-319-25393-0),** 2015, 9377: 373-381.
  12. Yi Wu. Network Big Data: A Literature Survey on Stream Data Mining. **Journal of Software**, 2014, 9(9):2427-2434.
  13. Lydia Fischer, Barbara Hammer, Heiko Wersing. Certainty-based prototype insertion/deletion for classification with metric adaptation. **ESANN**, 2015, 7-12.
  14. [Juan Li](http://www.inderscienceonline.com/author/Li%2C+Juan), [Yuping Wang](http://www.inderscienceonline.com/author/Wang%2C+Yuping). Prototype selection based on multi–objective optimisation and partition strategy. **[International Journal of Sensor Networks](http://www.inderscienceonline.com/loi/ijsnet)**, 2015, 17(3).
  15. L Xiang, Z Quanyin, W Zun. Research of Improved LVQ Neural Network by AdaBoost Algorithm. **Journal of Applied Sciences**, 2013, 2658-2663.
  16. I[ndra Hermawan](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.Indra%20Hermawan.QT.&newsearch=true) , [M. Iqbal Tawakal](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.M.%20Iqbal%20Tawakal.QT.&newsearch=true) , [I. Made Agus Setiawan](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.I.%20Made%20Agus%20Setiawan.QT.&newsearch=true) , [Ikhsanul Habibie](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.Ikhsanul%20Habibie.QT.&newsearch=true) ,[Wisnu Jatmiko](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.Wisnu%20Jatmiko.QT.&newsearch=true). Adaptive Multi codebook Fuzzy Neuro Generalized Learning Vector Quantization for sleep stages classification. **2013 International Conference on Advanced Computer Science and Information Systems (ICACSIS)**, 2013.
  17. Lydia Fischer, Barbara Hammer, Heiko Wersing. Online metric learning for an adaptation to confidence drift. **Neural Networks (IJCNN)**, 2016.
  18. Israel Cruz-Vega, Hugo Jair Escalante. An online and incremental GRLVQ algorithm for prototype generation based on granular computing. **Soft Computing**, 2016, 1-14.
  19. Lydia Fischer, Barbara Hammer, Heiko Wersing. Rejection and online learning with prototype-based classifiers in adaptive metrical spaces. **[PUB](https://pub.uni-bielefeld.de/)**, 2016.
  20. Yuan-Yuan Shen, Cheng-Lin Liu. Incremental Learning Vector Quantization for Character Recognition with Local Style Consistency. **[Lecture Notes in Computer Science](http://link.springer.com/bookseries/558)**, 2016, 10023:228-239.

# Xu Ye, Shen Furao, Zhao Jinxi. A general associative memory based on self-organizing incremental neural network. *Neurocomputing,* 2013, 104: 57-71.

**该文被引用15次，他引15，其中SCI引用2次，SCI他引2：**

* 1. Wang, Zuo-wei. A Self-Organizing Incremental Spatiotemporal Associative Memory Networks Model for Problems with Hidden State. **Computational Intelligence and Neuroscience,** 2016.(SCI检索号EB9DS)
  2. Xiu Chunbo, Liu Chang, Cheng Yi. Associative memory network and its hardware design. **NeuroComputing**, 2015, 158: 204-209. (SCI检索号CE9OK)
  3. Tan Shing Chiang, Lim Chee Peng, Watada, Junzo. A Memetic Fuzzy ARTMAP by a Grammatical Evolution Approach. **8th KES International Conference on Intelligent Decision Technologies (KES-IDT)**, 2016, 56:447-456.
  4. Qiu Tianyu, Shen Furao, Zhao Jinxi. Review of Self-Organizing Incremental Neural Network. **Journal of Software**, 2016, 27(9):2230-2247.
  5. Sun Tao, Xie Zhenping, Wang Shitong, Liu Yuan. Self-Organizing Incremental Associative Memory Model under Capacity Constraint. **Journal of Frontiers of Computer Science & Technology**, 2016, 10(1):130-141.
  6. Tan Shing Chiang, Lim Chee Peng. Evolving an Adaptive Artificial Neural Network with a Gravitational Search Algorithm. **7th KES International Conference on Intelligent Decision Technologies (KES-IDT)**, 2015, 39:599-609.
  7. Kimura Daiki, Hasegawa Osamu. Estimating Multimodal Attributes for Unknown Objects. **International Joint Conference on Neural Networks (IJCNN)**, 2015.
  8. Hu Qixiang, Qu Xinyu. Internal motivation driven robot online and autonomous learning of unknown environment. **Computer Engineering and Application**, 2014, 50(4):110-113.
  9. Dawood Farhan, Loo Chu Kiong. [Humanoid Behaviour Learning through Visuomotor Association by Self-Imitation](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=63&SID=S2IUh7TyplVC7YYflym&page=1&doc=9). **Joint 7th International Conference on Soft Computing and Intelligent Systems (SCIS) and 15th International Symposium on Advanced Intelligent Systems (ISIS)**, 2014, 922-929.
  10. Matthias U. Keysermann, Patrícia A. Vargas. Towards Autonomous Robots Via an Incremental Clustering and Associative Learning Architecture. **Cognitive Computation**, 2014, 7(4):414-433.
  11. Matthias U. Keysermann. ICALA: Incremental Clustering and Associative Learning Architecture. **Adaptive and Intelligent Systems**, 2014 , 70-79.
  12. Yoshihiro Nakamura, Osamu Hasegawa. Nonparametric Density Estimation Based on Self-Organizing Incremental Neural Network for Large Noisy Data. **[IEEE Transactions on Neural Networks and Learning Systems](http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=5962385)**, 2017, 28(1):8-17.
  13. EMIL LUNDBERG. Adding temporal plasticity to a self-organizing incremental neural network using temporal activity diffusion. **Degree Project in Machine Learning 120 Credits**, Second Cycle, 2015.
  14. 中村圭宏,長谷川修. ロバスト高速オンライン多変量ノンパラメトリック密度推定法. **電子情報通信学会論文誌**, 2014, j97-D(8):1284-1296.
  15. Shi Xiaofeng, Shen Furao, He Hongwei. Information Fusion Based on Self-organizing Incremental Neural Network. **Ordnance Industry Automation**, 2015, 34(5):59-65.

# Furao Shen;Jing Chao;Jinxi Zhao. Forecasting exchange rate using deep belief networks and conjugate gradient method. *Neurocomputing,* 2015, 167:243-253.

**该文被引用12次，他引12，其中SCI引用5次，SCI他引5：**

* 1. Huang Hai B., Li Ren X., Yang Ming L., Lim, Teik C., Ding Wei P.. Evaluation of vehicle interior sound quality using a continuous restricted Boltzmann machine-based DBN. **Mechanical Systems and Signal Processing**, 2017, 84:245-267.(SCI检索号ED3YZ)
  2. Liu Nian, Kan Jiang-ming. [Improved deep belief networks and multi-feature fusion for leaf identification](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=76&SID=S2IUh7TyplVC7YYflym&page=1&doc=2&cacheurlFromRightClick=no). **NeuroComputing**, 2016, 216:460-467. (SCI检索号ED3VU)
  3. Cavalcante Rodolfo C., Brasileiro Rodrigo C., Souza Victor L. P., Nobrega Jarley P., Oliveira Adriano L. I.. Computational Intelligence and Financial Markets: A Survey and Future Directions. **Expert Systems with Applications**, 2016, 55:194-211. (SCI检索号DK3IT)
  4. Tenyakov Anton, Mamon Rogemar, Davison Matt. Modelling high-frequency FX rate dynamics: A zero-delay multi-dimensional HMM-based approach. **Knowledge-based Systems**, 2016, 101:142-155. (SCI检索号DL7GJ)
  5. Heng Jiani, Wang Chen, Zhao Xuejing, Xiao Liye. Research and Application Based on Adaptive Boosting Strategy and Modified CGFPA Algorithm: A Case Study for Wind Speed Forecasting. **Sustainability**, 2016, 8(3). (SCI检索号DI9DC)
  6. Shen Hua, Liang Xun. A Time Series Forecasting Model Based on Deep Learning Integrated Algorithm with Stacked Autoencoders and SVR for FX Prediction. **25th International Conference on Artificial Neural Networks (ICANN)**, 2016, 9887:326-335.
  7. [Aleksandra Dedinec](http://www.sciencedirect.com/science/article/pii/S0360544216310076), [Sonja Filiposka](http://www.sciencedirect.com/science/article/pii/S0360544216310076), [Aleksandar Dedinec](http://www.sciencedirect.com/science/article/pii/S0360544216310076), [Ljupco Kocarev](http://www.sciencedirect.com/science/article/pii/S0360544216310076). Deep belief network based electricity load forecasting: An analysis of Macedonian case. **Energy**, 2016, 115(3):1688-1700.
  8. [YC Lin](https://scholar.google.com/citations?user=rAOphk4AAAAJ&hl=en&oi=sra), J Li, MS Chen, YX Liu, YJ Liang. A deep belief network to predict the hot deformation behavior of a Ni-based superalloy. **[Neural Computing and Applications](http://link.springer.com/journal/521" \o "Neural Computing and Applications)**, 2016, 1-9.
  9. J Heng, C Wang, X Zhao, L Xiao. Research and Application Based on Adaptive Boosting Strategy and Modified CGFPA Algorithm: A Case Study for Wind Speed Forecasting. **Sustainability**, 2016, 8(3):235.
  10. [RFB de Brito](https://scholar.google.com/citations?user=WE4qYfoAAAAJ&hl=en&oi=sra), [ALI Oliveira](https://scholar.google.com/citations?user=paz29H4AAAAJ&hl=en&oi=sra). A probabilistic and dynamic chart pattern recognition hybrid system applied to foreign exchange rate prediction. **2016 International Joint Conference on Neural Networks (IJCNN)**, 2016.
  11. MO Özorhan, İH Toroslu, OT Şehitoğlu. A strength-biased prediction model for forecasting exchange rates using support vector machines and genetic algorithms. **Soft Computing**, 2016, 1-19.
  12. Takaomi Hirata, Takashi Kuremoto, Masanao Obayashi, Shingo Mabu, Kunikazu Kobayashi. A Novel Approach to Time Series Forecasting using Deep Learning and Linear Model. **IEEJ Transactions on Electronics, Information and Systems**, 2016, 136(3):348-356.

# Jun Zheng; Furao Shen; Hongjun Fan; Jinxi Zhao. An online incremental learning support vector machine for large-scale data. *Neural Computing & Applications,* 2013, 22(5):1023-1035.

**该文被引用25次，他引25，其中SCI引用8次，SCI他引8：**

* 1. Qiu Junfei, Wu Qihui, Ding Guoru, Xu Yuhua, Feng Shuo. A survey of machine learning for big data processing. **EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING,** 2016. (SCI检索号DN3DQ)
  2. Liu Lei, Bai Xiao, Zhang Huigang, Zhou Jun, Tang Wenzhong. Describing and learning of related parts based on latent structural model in big data. **NeuroComputing**, 2016, 173:355-363. (SCI检索号CZ1QF)
  3. Luo Jian, Tang Jin, Xiao Xiaoming. Abnormal Gait Behavior Detection for Elderly Based on Enhanced Wigner-Ville Analysis and Cloud Incremental SVM Learning. **JOURNAL OF SENSORS**, 2016. (SCI检索号DJ1XI)
  4. Kwon Daeil, Hodkiewicz Melinda R., Fans Jiajie, Shibutani Tadahiro, Pecht Michael G.. IoT-Based Prognostics and Systems Health Management for Industrial Applications. **IEEE ACCESS**, 2016, 4:3659-3670. (SCI检索号DT4RN)
  5. Wang Ning, Yang Yang, Feng Liyuan, Mi Zhenqiang, Meng Kun, Ji Qing. SVM-Based Incremental Learning Algorithm for Large-Scale Data Stream in Cloud Computing. **KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS**, 2014, 8(10):3378-3393. (SCI检索号AZ2EJ)
  6. Jain Lakhmi C., Seera Manjeevan, Lim Chee Peng, Balasubramaniam P.. A review of online learning in supervised neural networks. **NEURAL COMPUTING & APPLICATIONS**, 2014, 25(3-4):491-509. (SCI检索号AN4UT)
  7. Seera Manjeevan, Lim Chee Peng. Transfer learning using the online Fuzzy Min-Max neural network. **NEURAL COMPUTING & APPLICATIONS**, 2014, 25(2):469-480. (SCI检索号AL8KO)
  8. Pai Ping-Feng, Hsu Ming-Fu, Lin Lin. Enhancing decisions with life cycle analysis for risk management. **NEURAL COMPUTING & APPLICATIONS**, 2014, 24(7-8):1717-1724. (SCI检索号AH8FV)
  9. Qiu Tianyu, Shen Furao, Zhao Jinxi. Review of Self-Organizing Incremental Neural Network. **Journal of Software**, 2016, 27(9):2230-2247.
  10. Cai Yongquan, Jiang Yuchen. Credit scoring using incremental learning algorithm for SVDD. **2016 INTERNATIONAL CONFERENCE ON COMPUTER, INFORMATION AND TELECOMMUNICATION SYSTEMS (CITS)**, 2016, 175-178.
  11. Li Yanfang, Su Bo, Liu Gongshen. An Incremental Learning Algorithm for SVM Based on Combined Reserved Set. **Journal of Shanghai Jiaotong University**, 2016, 50(7):1054-1059.
  12. Wang GuiPing, Wang JiaWei. An Anomaly Detection Framework for Detecting Anomalous Virtual Machines under Cloud Computing Environment. **INTERNATIONAL JOURNAL OF SECURITY AND ITS APPLICATIONS**, 2016, 10(1):75-86.
  13. Chen Haiyan, Feng Wenan, Wang Jiandong, Wang Yintong, Sun Bo. An SVR-based incremental learning algorithm based on belief revision. **Control and Decision**, 2015, 30(7):1315-1320.
  14. Xing Youlu, Shen Furao, Luo Chaomin, Zhao Jinxi. L-3-SVM: a LifeLong Learning Method for SVM. **2015 INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORKS (IJCNN)**, 2015.
  15. Li Juan, Wang Yuping. An Incremental Learning Vector Quantization Algorithm Based Pattern Density and Classification Error Ratio. **Acta Automatica Sinica**, 2015, 41(6):1187-1200.
  16. Zhu Lihui, Li Xiaoning, Zhang Ying, Pu Huaxiu, Wu Chunjie. Image retrieval method for Chinese herbal medicine based on shape features and texture features. **Computer Engineering and Design**, 2014, 35(11):3903-3907.
  17. Thakong Mongkhon, Phimoltares Suphakant, Jaiyen Saichon, Lursinsap Chidchanok. One-Pass-Throw-Away Learning Algorithm Based on Hybridization of LDA and PCA. **2013 INTERNATIONAL CONFERENCE ON INFORMATION SCIENCE AND APPLICATIONS (ICISA 2013)**, 2013.
  18. Chen Chunlei, Mu Dejun, Zhang Huixiang, Hu Wei. Towards A Moderate-granularity Incremental Clustering Algorithm for GPU. **2013 International Conference on Cyber-Enabled Distributed Computing and Knowledge Discovery,** 2013, 194-201.
  19. Lakhmi C. Jain, Manjeevan Seera, Chee Peng Lim, P. Balasubramaniam. A review of online learning in supervised neural networks. **Neural Computing and Applications**, 2014, 25(3)：491-509.
  20. Ali Zughrat, M. Mahfouf, Y.Y. Yang, S. Thornton. Support Vector Machines for Class Imbalance Rail Data Classification with Bootstrapping-based Over-Sampling and Under-Sampling. **19th IFAC World Congress**, 2014, 47(3):8756-8761.
  21. Daniela Moctezuma, Cristina Conde, Isaac Martin de Diego, Enrique Cabello. Incremental Learning with Soft-Biometric Features for People Re-Identification in Multi-Camera Environments. **2013 International Conference on Digital Image Computing: Techniques and Applications (DICTA)**, 2013.
  22. Yanchao Yu, Oliver Lemon, Arash Eshghi. Comparing dialogue strategies for learning grounded language from human tutors. **SEMDIAL 2016**, 2016, 44-54.
  23. Ferreira,Carlos André Marques Viana. Handling data access latency in distributed medical imaging environments. **CAMV Ferreira**, 2015.
  24. Jing Gong, Wenjun Wang, Pan Wang, Zhixin Sun. P2P traffic identification method based on an improvement incremental SVM learning algorithm. **2014 International Symposium on Wireless Personal Multimedia Communications (WPMC)**, 2014.
  25. Xu Xiaolong. Intrusion Detection System Based on Ensemble of Soft Computing Techniques. **Electronic Technology**, 2015.

# Ren Zhang, Furao Shen, Jinxi Zhao. A Model with Fuzzy Granulation and Deep Belief Networks for Exchange Rate Forecasting. In: *IJCNN 2014,International Joint Conference on Neural Networks*, 2014, 366-373.

**该文被引用3次，他引3，其中SCI引用0次，SCI他引0：**

* 1. Hua Shen, Xun Liang. A Time Series Forecasting Model Based on Deep Learning Integrated Algorithm with Stacked Autoencoders and SVR for FX Prediction. **Artificial Neural Networks and Machine Learning – ICANN 2016**,2016, 9887:326-335.
  2. QIAO Jun-Fei, PAN Guang-Yuan, HAN Hong-Gui. Design and Application of Continuous Deep Belief Network. **ACTA AUTOMATICA SINICA,** 2015, 41(12): 2138-2146.
  3. Feng Zhang, Yuanyuan Wang, Minjie Cao, Xiaoxiao Sun, Zhenhong Du, Renyi Liu, Xinyue Ye. Deep-Learning-Based Approach for Prediction of Algal Blooms. **Sustainability**, 2016.

# Qiang Gan, Furao Shen, Jinxi Zhao. An Extended Isomap for Manifold Topology Learning with SOINN Landmarks. In: *ICPR 2014,International Conference on Pattern Recognition*, 2014,1579-1584.

**该文被引用2次，他引2，其中SCI引用0次，SCI他引0：**

* 1. Zhiyang Xiang, Zhu Xiao, Dong Wang. A framework for metric learning and embedding with topology learning neural networks. **2015 11th International Conference on Natural Computation (ICNC)**, 2015.
  2. Qiu Tianyu; Shen Furao; Zhao Jinxi. Review of Self-Organizing Incremental Neural Network. **Journal of Software**, 2016, 27(9):2230-2247.

# Haoran Xu, Youlu Xing, Furao Shen, Jinxi Zhao. An online incremental learning algorithm for time series. In: *IJCNN 2015,International Joint Conference on Neural Networks*, 2015,1-5.

**该文被引用0次，他引0，其中SCI引用0次，SCI他引0：**

# Meng Hu, Furao Shen, Jinxi Zhao. Hidden Markov Models Based Dynamic Hand Gesture Recognition with Incremental Learning Method. In: *IJCNN 2014,International Joint Conference on Neural Networks,* 2014, 3108-3115.

**该文被引用2次，他引2，其中SCI引用0次，SCI他引0：**

* 1. Farzan Madadizadeh, Mohamad Ezati Asar, Abbas Bahrampour, Mitra Montrzeri. Liver Disease Recognition: A Discrete Hidden Markov Model Approach. **International Journal of Advanced Biotechnology and Research (IJBR)**, 2016, 7:1207-1214.
  2. Mr Farzan Madadizadeh, Mrs Mitra Montazeri, Mr Abbas Bahrampour. **RJMS**, 2016, 23(146):66-74.

# Qiang Gan;Furao Shen;Jinxi Zhao. Improved Manifold Learning with competitive Hebbian rule. In: *IJCNN 2015,International Joint Conference on Neural Networks,* 2015, 1-6.

**该文被引用0次，他引0，其中SCI引用0次，SCI他引0：**

# Youlu Xing;Furao Shen;Chaomin Luo;Jinxi Zhao. L3-SVM: A lifelong learning method for SVM. In: *IJCNN 2015,International Joint Conference on Neural Networks,* 2015, 1-8.

**该文被引用2次，他引2，其中SCI引用0次，SCI他引0：**

* 1. Alexander Gepperth, Barbara Hammer. Incremental learning algorithms and applications.
  2. Shuliang Xua, Junhong Wang. A fast incremental extreme learning machine algorithm for data streams classification. **Expert Systems with Applications**, 2016, 65:332-344.

# Youlu Xing;Furao Shen;Jinxi Zhao. Perception evolution network: adapting to the emergence of new sensory receptor. In: *IJCAI 2015,24th International Joint Conference on Artificial Intelligence,* 2015, 3967-3973.

**该文被引用0次，他引0，其中SCI引用0次，SCI他引0：**

# Xiaofeng Shi;Guoqiang Xu;Furao Shen;Jinxi Zhao. Solving the data imbalance problem of P300 detection via Random Under-Sampling Bagging SVMs. In: *IJCNN 2015,International Joint Conference on Neural Networks,* 2015, 1-5.

**该文被引用1次，他引1，其中SCI引用0次，SCI他引0：**

* 1. Qi Wang, ZhiHao Luo, JinCai Huang, YangHe Feng, Zhong Liu. A Novel Ensemble Method for Imbalanced Data Learning: Bagging of Extrapolation-SMOTE SVM.

# Jie Lu, Furao Shen, Jinxi Zhao. Using Self-organizing Incremental Neural Network (SOINN) For Radial Basis Function Networks. In: *IJCNN 2014,International Joint Conference on Neural Networks,* 2014, 2142-2148.

**该文被引用2次，他引2，其中SCI引用0次，SCI他引0：**

* 1. Alexander Gepperth, Barbara Hammer. Incremental learning algorithms and applications.
  2. Bhadru Amgothu, G Kalaichelvi. Artificial Neural Network based interference mitigation through nonlinear channel equalization. **2015 3rd International Conference on Signal Processing, Communication and Networking (ICSCN)**, 2015.

# Youlu Xing;Furao Shen;Jinxi Zhao. Perception Evolution Network Based on Cognition Deepening Model-Adapting to the Emergence of New Sensory Receptor. IEEE Transactions on Neural Networks and Learning Systems*,* 2016, 27(3):607-620.

**该文被引用1次，他引1，其中SCI引用0次，SCI他引0：**

* 1. Serkan Kiranyaza, Turker Inceb, Alexandros Iosifidisc, Moncef Gabboujc. Progressive Operational Perceptrons. **Neurocomputing**, 2017, 224:142-154.

# Youlu Xing;Tongyi Cao;Ke Zhou;Furao Shen;Jinxi Zhao. An Incremental Local Distribution Network for Unsupervised Learning. In: *PAKDD 2015,19th Pacific-Asia Conference on Knowledge Discovery and Data Mining,* 2015, 646-658.

**该文被引用2次，他引1，其中SCI引用1次，SCI他引1：**

* 1. Youlu Xing, Xiaofeng Shi, Furao Shen, Ke Zhou, Jinxi Zhao. A Self-Organizing Incremental Neural Network based on local distribution learning. **Neural Networks,** 2016, 84:143-160. (SCI检索号ED0RF)
  2. Qiu Tianyu; Shen Furao; Zhao Jinxi. Review of Self-Organizing Incremental Neural Network. **Journal of Software**, 2016, 27(9):2230-2247.

# Tianyu Qiu;Furao Shen;Jinxi Zhao. Local Adaptive and Incremental Gaussian Mixture for Online Density Estimation. In: *PAKDD 2015,19th Pacific-Asia Conference on Knowledge Discovery and Data Mining,* 2015, 418-428.

**该文被引用1次，他引0，其中SCI引用0次，SCI他引0：**

* 1. Qiu Tianyu; Shen Furao; Zhao Jinxi. Review of Self-Organizing Incremental Neural Network. **Journal of Software**, 2016, 27(9):2230-2247.

# Shaofeng Shen, Qiang Gan, Chaomin Luo;Furao Shen;Jinxi Zhao. An Incremental Network with Local Experts Ensemble. In: *ICONIP 2015,22nd International Conference on Neural Information Processing,* 2015, 515-522.

**该文被引用0次，他引0，其中SCI引用0次，SCI他引0：**

# Tao Zhu;Ye Xu;Furao Shen;Jinxi Zhao. Orthogonal component analysis: A fast dimensionality reduction algorithm. *Neurocomputing,* 2016, 177:136-146.

**该文被引用1次，他引1，其中SCI引用0次，SCI他引0：**

* 1. K. Ramachandra Murthy, Ashish Ghosh. Moments discriminant analysis for supervised dimensionality reduction. **Neurocomputing**, 2016.

# Wenyong Chen, Furao Shen, Jinxi Zhao. A Computational Model of Selecting Visual Attention Based on Bottom-up and Top-down Feature Combination. In: *IJCNN2013, The 2013 International Joint Conference on Neural Networks,* 2013.

**该文被引用0次，他引0，其中SCI引用0次，SCI他引0：**

# Youlu Xing, Furao Shen, Jinxi Zhao. A Perception Evolution Network for Unsupervised Fast Incremental Learning. In: *IJCNN2013, The 2013 International Joint Conference on Neural Networks,* 2013.

**该文被引用0次，他引0，其中SCI引用0次，SCI他引0：**

# Tao Zhu, Furao Shen, Jinxi Zhao. An Incremental Learning Face Recognition System for Single Sample Per Person. In: *IJCNN2013, The 2013 International Joint Conference on Neural Networks,* 2013.

**该文被引用0次，他引0，其中SCI引用0次，SCI他引0：**

# Zelin Tang, Furao Shen, Jinxi Zhao. Speaker Recognition Based on SOINN and Incremental Learning Gaussian Mixture Model. In: *IJCNN2013, The 2013 International Joint Conference on Neural Networks,* 2013.

**该文被引用1次，他引1，其中SCI引用0次，SCI他引0：**

* 1. Lingling Bao, Xizhong Shen. Improved Gaussian mixture model and application in speaker recognition.**2016 2nd International Conference on Control, Automation and Robotics (ICCAR)**, 2016.

# Guoqiang Xu, Furao Shen, Jinxi Zhao. The Effect of Methods Addressing the Class Imbalance Problem on P300 Detection. In: *IJCNN2013, The 2013 International Joint Conference on Neural Networks,* 2013.

**该文被引用1次，他引1，其中SCI引用0次，SCI他引0：**

* 1. Jijun Tong, Qinguang Lin, Ran Xiao, Lei Ding. Combining multiple features for error detection and its application in brain–computer interface.**BioMedical Engineering OnLine**, 2016.

# Ouyang Qiubao, Shen Furao, Zhao, Jinxi. A Local Distribution Net for Data Clustering. In: *PRICAI 2012, 12th Pacific Rim International Conference on Artificial Intelligence,* 2012, 411-422.

**该文被引用3次，他引3，其中SCI引用0次，SCI他引0：**

* 1. Youlu Xing, Xiaofeng Shi, Furao Shen, Ke Zhou, Jinxi Zhao. A Self-Organizing Incremental Neural Network based on local distribution learning. **Neural Networks**, 2016, 84:143-160.
  2. Tianyu Qiu, Furao Shen, Jinxi Zhao. Local Adaptive and Incremental Gaussian Mixture for Online Density Estimation. **PAKDD 2015,19th Pacific-Asia Conference on Knowledge Discovery and Data Mining**, 2015, 418-428.
  3. Qiu Tianyu, Shen Furao, Zhao Jinxi. Review of Self-Organizing Incremental Neural Network. **Journal of Software**, 2016, 27(9):2230-2247.

# Xiong You, Yonglei Fang, Jinxi Zhao. Special extended Nyström tree theory for ERKN methods. *Journal of Computational and Applied Mathematics,* 2014, 22(5): 1023-1035.

**该文被引用3次，他引3，其中SCI引用3次，SCI他引3：**

* 1. S. Blanes. Explicit symplectic RKN methods for perturbed non-autonomous oscillators: Splitting, extended and exponentially fitting methods. **Computer Physics Communications**, 2015, 193:10-18. (SCI检索号CK4JI)
  2. Zhaoxia Chen, Zeyu Qiu, Juan Li, Xiong You. Two-derivative Runge-Kutta-Nyström methods for second-order ordinary differential equations. **Numerical Algorithms**, 2015, 70(4): 897-927. (SCI检索号DB3US)
  3. Xiong You, Yuanmei Zhou, Xiaohao Cheng. A novel family of P-stable symmetric extended linear multistep methods for oscillators. **Applied Mathematics and Computation**, 2014, 249: 597-610. (SCI检索号AU4KK)

# Xiong You, Jinxi Zhao, Hongli Yang, Yonglei Fang, Xinyuan Wu. Order conditions for RKN methods solving general second-order oscillatory systems. *Numerical Algorithms,* 2014, 66(1): 147-176.

**该文被引用5次，他引5，其中SCI引用2次，SCI他引2：**

* 1. Zhaoxia Chen, Zeyu Qiu, Juan Li, Xiong You. Two-derivative Runge-Kutta-Nyström methods for second-order ordinary differential equations. **Numerical Algorithms**, 2015, 70(4): 897-927. (SCI检索号DB3US)
  2. Lijie Mei, Xinyuan Wu. The construction of arbitrary order ERKN methods based on group theory for solving oscillatory Hamiltonian systems with applications. **Journal of Computational Physics**, 2016, 323:171-190. (SCI检索号DT6HO)
  3. Xinyuan Wu, Kai Liu, Wei Shi. Matrix-Variation-of-Constants Formula. **Numerical Algorithms**. 2016.
  4. D. Zorío, A. Baeza, P. Mulet. An Approximate Lax–Wendroff-Type Procedure for High Order Accurate Schemes for Hyperbolic Conservation Laws. **Journal of Scientific Computing**, 2016, 1-28N.
  5. Xianyang Zeng, Hongli Yang, Xinyuan Wu. An improved tri-coloured rooted-tree theory and order conditions for ERKN methods for general multi-frequence oscillatory systems. **Numerical Algorithms**, 2016, 1-27.