a) 07年以前印刷版书籍中手检出之书籍(Monograph & Textbook)目录（42本）

b) 现在以Google-Scholar检出之书籍(Monograph & Textbook)目录（41本）

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故引用申报人成果之学术书籍(Monograph & Textbook)共有42+41 = 83 > 80本
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因中文科技图书在香港中文大学藏书有限，没有去查检，下面仅举3例：
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• 梁循，《数据挖掘算法与应用》，北京大学出版社，2006。
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   unibo.it 提供的 [PDF]
   D Maltoni, D Maio, AK Jain… - 2009 - books.google.com
   This handbook provides in-depth coverage of the most recent advances and practices. Readers will find comprehensive and authoritative coverage of all the major concepts, topics, and security methods associated with fingerprint recognition. Written with the same ...
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panyj.net 提供的 [PDF]
余乐安, 汪寿阳... - 2006 - panyj.net
外汇市场和国际原油市场是两个非常重要而又复杂多变的市场,外汇汇率和国际原油价格的变化都具有高度波动性的特征.特别是欧元和欧佩克组织诞生之后,外汇市场和国际原油市场的波动更是变化莫测,如近两年的国际油价,从每桶30多美元飓升到每桶57美元.许多重要突发事件 ...
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A Herrero… - 2011 - books.google.com

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Data clustering is a common technique for statistical data analysis, which is used in many fields, including machine learning, data mining, pattern recognition, image analysis and bioinformatics. Clustering is the classification of similar objects into different groups, or ...

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mit.edu 提供的 [PDF]
NA Gershenfeld - 1999 - books.google.com
This book first covers exact and approximate analytical techniques (ordinary differential and difference equations, partial differential equations, variational principles, stochastic processes); numerical methods (finite differences for ODE's and PDE's, finite elements, ...)

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Theory and Use of the EM Algorithm introduces the expectation-maximization (EM) algorithm and provides an intuitive and mathematically rigorous understanding of this method. It describes in detail two of the most popular applications of EM: estimating ...

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R Prinzler - 2001 - books.google.com
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R Neuneier - 1998 - books.google.com
Abstrakt Die vorliegende Arbeit untersucht die Einsatzmöglichkeiten Neuronaler Netze zur datengetriebenen Unterstützung von Investitionsentscheidungen. Dazu werden zwei Problemstellungen der Finanzanalyse im Detail analysiert, die sich in der Risikoaversion ... 被引用 5 次 - 相關文章 - 圖書館搜尋 - 全部共 2 個版本

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L Xu, A Krzyzak... - Systems, Man and Cybernetics, ..., 1992 - ieeexplore.ieee.org

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AJ Elms - 1996 - xm2vtsdb.ee.surrey.ac.uk
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CR Dietrich - 2003 - Citeseer
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JA Ward - 2006 - books.google.com
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[書籍] 外汇报率与国际原油价格波动预测: TEL@ 1方法论
余乐安， 汪寿阳… - 2006 - panyj.net
外汇市场和国际原油市场是两个非常重要的复杂多变的市场, 外汇报率和国际原油价格的变化都具有高度波动性的特征. 特别是欧元和欧佩克组织诞生之后, 外汇市场和国际原油市场的波动更是变化莫测, 如近两年的国际油价, 从每桶 30 多美元飓升到每桶 57 美元. 许多重要突发事件 ...

[書籍] Combining Classifiers using the Dempster Shafer Theory of Evidence
I Naseem - 2010 - Citeseer
The ultimate goal of designing pattern recognition systems is to achieve the best possible classification performance for the task at hand. This objective traditionally led to the development of different classification schemes for any pattern recognition problem to be ...
3. **Least mean square error reconstruction principle for self-organizing neural-nets**
L Xu - Neural Networks, 1993 – Elsevier

Requests for reprints should be sent to Lei Xu, G-14 Pierce Hall, Division of Applied Sciences, Harvard University, Cambridge, MA 02138, USA. ... 627 628 L. Xu Second, the Oja subspace rule (Oja, 1989) and some other PCA models (eg, Foldiak, 1989) do not perform true PCA ...
4. On radial basis function nets and kernel regression: statistical consistency, convergence rates, and receptive field size

I. Xu, A. Krzyzak… - Neural Networks, 1994 - Elsevier

The second author thanks the Alexander von Humboldt Foundation for support. Requests for reprints should be sent to Dr. Lei Xu, Department of Computer Science, The Chinese University of Hong Kong, Shatin, NT, Hong Kong. ... 612 L. Xu. ...

Cited by 5 books

- Pattern recognition and neural networks
- A probabilistic theory of pattern recognition
- A distribution-free theory of nonparametric regression
- Pyramidal neural networks
- Sensitivity Analysis for Neural Networks
5. **Rival penalized competitive learning for clustering analysis, RBF net, and curve detection**

L. Xu, A. Krzyzak, Member, IEEE, and E. Oja, Senior Member, IEEE... [IEEE Explore](https://ieeexplore.ieee.org)

Lei Xu, Adam Krzyzak, Member, IEEE, and Erkki Oja, Senior Member, IEEE... L. Xu is with the Harvard Robotics Laboratory, Harvard University, Cambridge, MA 02138 and is also with the Department of Mathematics, Peking University, Beijing, P. R. China. ...

Cited by 532 times - 相關文章 - 全部共 12 個版本

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[書籍] **A probabilistic theory of pattern recognition**

L. Devroye, L. Györfi... - 1996 - books.google.com

Pattern recognition presents one of the most significant challenges for scientists and engineers, and many different approaches have been proposed. The aim of this book is to provide a self-contained account of probabilistic analysis of these approaches. The book...

被引用 2318 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

[書籍] **A distribution-free theory of nonparametric regression**

L. Györfi - 2002 - books.google.com

This book provides a systematic in-depth analysis of nonparametric regression with random design. It covers almost all known estimates such as classical local averaging estimates including kernel, partitioning and nearest neighbor estimates, least squares estimates...

被引用 525 次 - 相關文章 - 圖書館搜尋 - 全部共 12 個版本

[書籍] **Clustering**

R. Xu... - 2009 - dl.acm.org

Abstract This is the first book to take a truly comprehensive look at clustering. It begins with an introduction to cluster analysis and goes on to explore: proximity measures; hierarchical clustering; partition clustering; neural network-based clustering; kernel-based clustering;...

被引用 183 次 - 相關文章 - 圖書館搜尋 - 全部共 7 個版本

[書籍] **Advanced fuzzy systems design and applications**

Y. Jin - 2003 - books.google.com

This book presents a variety of recently developed methods for generating fuzzy rules from data with the help of neural networks and evolutionary algorithms. Special efforts have been put on dealing with knowledge incorporation into neural and evolutionary systems and...

被引用 94 次 - 相關文章 - 圖書館搜尋 - 全部共 6 個版本

[書籍] **Neural networks in a softcomputing framework**

K. Du, MNS Swamy... - 2006 - cronus.uwindsor.ca

In this chapter, we first briefly go through the history of neural-network research. We then describe the conventional McCulloch–Pitts neuron and its analog VLSI implementation, structures of neural networks as well as various learning paradigms. Properties of neural...

被引用 68 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 12 個版本

[書籍] **Time series knowledge mining**

F. Möhlen... - 2006 - Citeseer

Abstract An important goal of knowledge discovery is the search for patterns in data that can help explain the underlying process that generated the data. The patterns are required to be new, useful, and understandable to humans. In this work we present a new method for the...

被引用 46 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 9 個版本

[書籍] **Predictive modular neural networks: applications to time series**
This book presents a unified methodology for designing modular neural networks. A family of online algorithms for time series classification, prediction and identification are developed; and a rigorous mathematical analysis of their properties is provided. Case studies ...

Data clustering is a common technique for statistical data analysis, which is used in many fields, including machine learning, data mining, pattern recognition, image analysis and bioinformatics. Clustering is the classification of similar objects into different groups, or ...

Abstract This paper introduces a new local asymmetric weighting scheme for the nearest neighbor classification algorithm. It is shown both with theoretical arguments and computer experiments that good compression rates can be achieved outperforming the accuracy of ...

6.  Probabilistic and non-probabilistic Hough transforms: overview and comparisons

Heikki Kalviainen, P Hirvonen, L Xu… - Image and vision computing, 1995 - Elsevier

I would like to kindly thank my good friends and colleagues for the help in the creation of this thesis: Pasi Fränti, the supervisor of my study and co-author of our papers; Olli Nevalainen and Søren Forschammer, the reviewers; Jussi Parkkinen, Jorma Tarhio, and Martti …
7. Modified Hebbian learning for curve and surface fitting

L Xu, E Oja… - Neural Networks, 1992 - Elsevier

... ORIGINAL CONTRIBUTION Modified Hebbian Learning for Curve and Surface Fitting LEI
XU12, ERKKI OJA3, AND CHING Y. SUE2 (Harvard Robotics Laboratory, Harvard ... The problem
is often encountered in many engineering applications as 441 442 L. Xu, E. Oja, and C ...
The presentation of a novel theory in orthogonal regression.

The literature about neural-based algorithms is often dedicated to principal component analysis (PCA) and considers minor component analysis (MCA) a mere consequence. Breaking the mold, ...

Cited by 8 books

8. On convergence properties of the EM algorithm for Gaussian mixtures
   L Xu... - Neural computation, 1996 - MIT Press
   ... Neural Computation 8, 129-151 (1996) @ 1995 Massachusetts Institute of Technology Page 2. 130 Lei Xu and Michael Jordan ... 1977; Redner and Walker 1984; Wu 1983). (Indeed the convergence is monotonic: $l(\theta'^{*}) \geq l(\theta^{*}) \geq l(\theta_{k1}'_{kl})$, where $0^{*}$ is the value ...

Cited by 8 books

[書籍] The EM algorithm and extensions
   GJ McLachlan... - 1997 - math.hcmus.edu.vn
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Abstract This thesis is about estimating probabilistic models to uncover useful hidden structure in data; specifically, we address the problem of discovering syntactic structure in natural language text. We present three new parameter estimation techniques that ...
10. Convergence results for the EM approach to mixtures of experts architectures

... L. Xu - Neural networks, 1995 - Elsevier

... All rights reserved 0893080 95 9.50+ .00 CONTRIBUTED ARTICLE Convergence Results for the EM Approach to Mixtures of Experts Architectures MICHAEL I. JORDAN AND LEI XU Massachusetts Institute of Technology (Received 27 September 1993 ... Xu, L., Jordan, MI (1993). ... 被引用 260 次 - 相關文章 - 圖書館搜尋 - 全部共 61 個版本

Cited by 8 books

| [書籍] The EM algorithm and extensions | hcmus.edu.vn 提供的 [PDF] |
| GJ McLachlan... - 1997 - math.hcmus.edu.vn |
| No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, scanning, or otherwise, except as permitted under Section 107 or 108 of the 1976 United States ... 被引用 3782 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 14 個版本 |

| [書籍] Fuzzy classifier design | books.google.com |
| LI Kuncheva - 2000 - books.google.com |
| This book about fuzzy classifier design briefly introduces the fundamentals of supervised pattern recognition and fuzzy set theory. Fuzzy if-then classifiers are defined and some theoretical properties thereof are studied. Popular training algorithms are detailed. Non if- ... 被引用 351 次 - 相關文章 - 圖書館搜尋 - 全部共 2 個版本 |

| SG Fabri... - 2001 - books.google.com |
| This book presents a wide range of techniques that lead to novel strategies for effecting intelligent control of complex systems that are typically characterised by uncertainty, nonlinear dynamics, component failure, unpredictable disturbances, multi-modality and ... 被引用 71 次 - 相關文章 - 圖書館搜尋 - 全部共 9 個版本 |

| [書籍] Novel estimation methods for unsupervised discovery of latent structure in natural language text | kanagawa.lti.cs.cmu.edu |
| NA Smith... - 2007 - kanagawa.lti.cs.cmu.edu |
| Abstract This thesis is about estimating probabilistic models to uncover useful hidden structure in data; specifically, we address the problem of discovering syntactic structure in natural language text. We present three new parameter estimation techniques that ... 被引用 32 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 17 個版本 |

| [書籍] Predictive modular neural networks: applications to time series | books.google.com |
| V Petridis... - 1998 - books.google.com |
| This book presents a unified methodology for designing modular neural networks. A family of online algorithms for time series classification, prediction and identification are developed; and a rigorous mathematical analysis of their properties is provided. Case studies ... 被引用 27 次 - 相關文章 - 圖書館搜尋 - 全部共 3 個版本 |

| [書籍] Value-at-Risk-Schätzung mit Gauß'schen Mischverteilungen und künstlichen neuronalen Netzen | books.google.com |
| R Prinzler - 2001 - books.google.com |
| Most people are not natural-born statisticians. Left to our own devices we are not very good at picking out patterns from a sea of noisy data. To put it another way, we are all too good at picking out non-existent patterns that happen to suit our purposes. 被引用 4 次 - 相關文章 - 圖書館搜尋 |
Optimale Investitionsentscheidungen mit neuronalen Netzen
R Neuneier - 1998 - books.google.com
Abstrakt Die vorliegende Arbeit untersucht die Einsatzmöglichkeiten Neuronaler Netze zur
datengetriebenen Unterstützung von Investitionsentscheidungen. Dazu werden zwei
Problemstellungen der Finanzanalyse im Detail analysiert, die sich in der Risikoaversion ...

11. Robust principal component analysis by self-organizing rules based on statistical physics
approach
L Xu - Neural Networks, IEEE Transactions on, 1995 - ieeexplore.ieee.org
Abstract We consider a novel non-linear model for time series analysis. The study of this
model emphasizes both theoretical aspects as well as practical applicability. The
architecture of the model is demonstrated to be sufficiently rich, in the sense of ...

Principal component analysis
IT Jolliffe - 2002 - Wiley Online Library
Large datasets often include measurements on many variables. It may be possible to reduce
the number of variables considerably while still retaining much of the information in the
original dataset. A number of dimension-reducing techniques exist for doing this, and ...

Neural Networks and Intellect: using model based concepts
LI Perlovsky - 2001 - psychmsu.ru
This book describes a new mathematical concept called modeling field theory; demonstrates
applications of neural networks based on this theory to a variety of problems; and analyzes
relationships among mathematics, computational concepts in neural networks, and ...

Neural networks in a softcomputing framework
KL Du, MNS Swamy - 2006 - cronus.uwindsor.ca
In this chapter, we first briefly go through the history of neural-network research. We then
describe the conventional McCulloch–Pitts neuron and its analog VLSI implementation,
structures of neural networks as well as various learning paradigms. Properties of neural ...

Level set based segmentation and tracking of multiple objects
M Fussenegger - 2006 - ftp-sop.inria.fr
Abstract Interpreting single images or image sequences of a real world scene is an
important and very complex topic in computer vision. In this work, we build a framework
based on variational methods and level set representations of objects to segment them in ...

Cited by 5 books
12. **A new curve detection method: randomized Hough transform (RHT)**

L Xu, E Oja... - Pattern Recognition Letters, 1990 - Elsevier

... Pattern Recognition Letters 11 (1990) 331-338 May 1990 North-Holland A new curve detection
method: Randomized Hough Transform (RHT) Lei XU*, Erkki OJA and Pekka KULTANEN
Lappeenranta University of Technology, Department of Information ... [5] Xu, L. and E. Oja ...

Cited by 3 books

**[書籍] Feature detection algorithms in computed images**
AC Gurbuz - 2008 - books.google.com
A second objective in remote sensing is information retrieval which involves searching for
important features in the computed image. In this thesis we focus on detecting buried
structures like pipes, and tunnels in computed GPR or seismic images. The problem of ...

**[書籍] Système d'identification de personnes par vision numérique**
A Lemieux... - 2003 - vision.gel.ulaval.ca
Résumé Ces travaux de recherche présentent l'intégration complète d'un système d'identification de
personnes par vision numérique. Conçu pour opérer dans un contexte de surveillance, le système a pour ...

**[書籍] Multiple motion analysis using 3d orientation steerable filters**
W Yu, G Sommer... - 2000 - noodle.med.yale.edu
Abstract In this paper, we address multiple motion analysis from the standpoint of orientation
analysis. Using the fact that multiple motions are equivalent to multiple planes in the
derivative space or in the spectral domain, we apply a new kind of 3D steerable filter in ...

16. **[PDF] Randomized Hough transform (RHT): basic mechanisms, algorithms, and computational
complexities**
L Xu, E Oja - CVGIP Image Understanding, 1993 - geocities.ws
... 131-154, 1993 Randomized Hough Transform (RHT): Basic Mechanisms, Algorithms, and
Computational Complexities* Lei XU and Pekka KULTANEN Lappeenranta University of Technology, Department of Information ... space
under the parameterization a1x + a2y = 1: (a) An image which contains two lines L1 and L2 ...

Cited by 5 books

**[書籍] Advances in imaging and electron physics**
PW Hawkes - 2004 - books.google.com
* A special volume devoted principally to the role of the late Sir Charles Oatley in the
development of the scanning electron microscopeings* It contains historical articles and
reminiscences by most of the scientists who have worked on the scanning electron ...

**[書籍] Feature detection algorithms in computed images**
AC Gurbuz - 2008 - books.google.com
A second objective in remote sensing is information retrieval which involves searching for important features in the computed image. In this thesis we focus on detecting buried structures like pipes, and tunnels in computed GPR or seismic images. The problem of ...

[書籍] Système d'identification de personnes par vision numérique
A Lemieux… - 2003 - vision.gel.ulaval.ca
Résumé Ces travaux de recherche présentent l'intégration complete d'un système d'identification de personnes par vision numérique. Conçu pour opérer dans un contexte de surveillance, le système a pour tâche d'identifier les personnes circulant dans une zone d' ...

[書籍] Marswalk One: first steps on a new planet
D Shayler, A Salmon… - 2005 - books.google.com
MARSWALK ONE: First Steps on a New Planet addresses the question of why we should embark on a journey to Mars, documenting what the first human crew will do when they place their feet in the red dust of the planet. The book also addresses why we need to ...

[書籍] Discrete Line and Circles: Application to Pattern Recognition
J Lopez-Krahe, T Alamo-Cantarero… - 1994 - esi2.us.es
Abstract The discrete nature of the image does not make the use of continuous hypothesis in pattern recognition suitable. In this article, a new discrete parametrizations of the circle is presented. In order to improve several drawbacks of the continuous hypothesis, the ...

15. [PDF] Learned parametric mixture based ICA algorithm
L Xu, C Chiu Cheung… - Neurocomputing, 1998 - Citeseer
... of bell-shape density distribution functions, Research Proposal, Presented at FRONTIER FORUM (speakers: D. Sherrington, S. Tanaka, L. Xu, JF Cardoso … Lei Xu (Ph.D., IEEE Senior member) is currently a professor of the Department of Computer Science and Engineering at ...
16. **BYY harmony learning, structural RPCL, and topological self-organizing on mixture models**  
L Xu - Neural Networks, 2002 - Elsevier  
被引用 92 次 - 相關文章 - 全部共 19 個版本  

Cited by 3 books

| 書籍 | Clustering  
R Xu... - 2009 - dl.acm.org  
Abstract This is the first book to take a truly comprehensive look at clustering. It begins with an introduction to cluster analysis and goes on to explore: proximity measures; hierarchical clustering; partition clustering; neural network-based clustering; kernel-based clustering; ...  
被引用 183 次 - 相關文章 - 圖書館搜尋 - 全部共 7 個版本  
| 書籍 | Information theory in computer vision and pattern recognition  
F Escolano, P Suau... - 2009 - books.google.com  
Information theory has proved to be effective for solving many computer vision and pattern recognition (CVPR) problems (such as image matching, clustering and segmentation, saliency detection, feature selection, optimal classifier design and many others). ...  
被引用 17 次 - 相關文章 - 圖書館搜尋 - 全部共 4 個版本  
| 書籍 | Design and analysis of learning classifier systems: A probabilistic approach  
J Drugowitsch - 2008 - books.google.com  
This book provides a comprehensive introduction to the design and analysis of Learning Classifier Systems (LCS) from the perspective of machine learning. LCS are a family of methods for handling unsupervised learning, supervised learning and sequential decision ...  
被引用 16 次 - 相關文章 - 圖書館搜尋 - 全部共 4 個版本  

17. **[PDF] Randomized Hough transform (RHT): basic mechanisms, algorithms, and computational complexities**  
L Xu, E Oja - CVGIP Image Understanding, 1993 - geocities.ws  
... 131-154, 1993 Randomized Hough Transform (RHT): Basic Mechanisms, Algorithms, and Computational Complexities* Lei Xut Lappeenranta University of ... 138 XU AND OJA FIG. ... space under the parameterization a1x + a2y = 1: (a) An image which contains two lines L1 and L2 ...  
被引用 426 次 - 相關文章 - 全部共 17 個版本  

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| 書籍 | Advances in imaging and electron physics  
PW Hawkes - 2004 - books.google.com  
* A special volume devoted principally to the role of the late Sir Charles Oatley in the development of the scanning electron microscopeings* It contains historical articles and reminiscences by most of the scientists who have worked on the scanning electron ...  
被引用 22 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本  
| 書籍 | Feature detection algorithms in computed images  
AC Gurbuz - 2008 - books.google.com  

A second objective in remote sensing is information retrieval which involves searching for important features in the computed image. In this thesis we focus on detecting buried structures like pipes, and tunnels in computed GPR or seismic images.

Cited by 2 books

18. **Improved simulated annealing, Boltzmann machine, and attributed graph matching**
L Xu, E Oja - Neural Networks, 1990 - Springer

In graph-based structural pattern recognition, the idea is to transform patterns into graphs and perform the analysis and recognition of patterns in the graph domain commonly referred to as graph matching. A large number of methods for graph matching have been proposed...

Cited by 2 books

[書籍] **Système d'identification de personnes par vision numérique**
A Lemieux - 2003 - vision.gel.ulaval.ca

[書籍] **Marswalk One: first steps on a new planet**
D Shayler, A Salmon - 2005 - books.google.com

[書籍] **Discrete Line and Circles: Application to Pattern Recognition**
J Lopez-Krahe, T Alamo-Cantarero - 1994 - esi2.us.es

[書籍] **Bridging the gap between graph edit distance and kernel machines**
M Neuhaus - 2007 - books.google.com

[書籍] **The structurally Optimal Dual Graph Pyramid and its application in image partitioning**
Y Haxhimusa - 2006 - books.google.com
19. [PDF] Best Harmony, Unified RPCL and Automated Model Selection for Unsupervised and Supervised Learning on Gaussian Mixtures, Three-Layer Nets and ME- ...

20. Rival penalized competitive learning, finite mixture, and multisets clustering

19. Temporal BYY learning for state space approach, hidden Markov model, and blind source separation
A comprehensive introduction to ICA for students and practitioners

Independent Component Analysis (ICA) is one of the most exciting new topics in fields such as neural networks, advanced statistics, and signal processing. This is the first book to provide a...

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**20. [PDF] Bayesian kullback ying-yang dependence reduction theory**

L Xu - Neurocomputing, 1998 - cs.cuhk.hk

Page 1. *E-mail: lxu@cse.cuhk.edu.hk Neurocomputing 22 (1998) 81—111 Bayesian Kullback Ying-Yang dependence reduction theory Lei Xu* Department of Computer Science and Engineering, The Chinese University of Hong Kong, Shatin, NT, Hong Kong ...

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**21. [PDF] Bayesian Ying-Yang system and theory as a unified statistical learning approach:(I) Unsupervised and semi-unsupervised learning**

L Xu - Brain-like computing and intelligent information …, 1997 - Citeseer

... for Unsupervised and Semi-Unsupervised Learning Lei Xu Department of Computer Science and Engineering The Chinese University of Hong Kong, Shatin, NT, Hong Kong, China Fax 852 2603 5024, Email lxu@cs.cuhk.hk, http://www.cse.cuhk.edu.hk/~lxu/ ...

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**22. [PDF] Neural nets for dual subspace pattern recognition method**

W Zhang - 2010 - books.google.com

Due to the complexity and non-linearity of most ecological problems, artificial neural networks (ANNs) have attracted attention from ecologists and environmental scientists in recent years. As these networks are increasingly being used in ecology for modeling, ...

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**23. [PDF] Computational ecology: artificial neural networks and their applications**

W Zhang - 2010 - books.google.com

Due to the complexity and non-linearity of most ecological problems, artificial neural networks (ANNs) have attracted attention from ecologists and environmental scientists in recent years. As these networks are increasingly being used in ecology for modeling, ...

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**24. [PDF] Neural nets for dual subspace pattern recognition method**

L Xu, A Krzyzak... - International Journal of Neural Systems, 1991 - cse.cuhk.edu.hk

... Page 8. 176 Lei Xu et al. ... Another version of ASGA with less explicit normalization was recently proposed by Oja,4 given by: Am» = -a2Xk(a=x)\[y<jk\xU-l) - yf m f >) + m>(1 - limali2)]

(lib) where x(° is given by the following Eq. (lie) instead of Eq. ...
23. **Associative switch for combining multiple classifiers**
... Lei Xut, Adam Krzyzak, Ching Y. Suen Centre for Pattern Recognition & Machine Intelligence Concordia Univ. ... [2] L. Xu, A. Krzyzak and CYSuen,“ Methods of combining multiple classifiers and their applica- tions to handwriting recognition”, Research Report, Dept. ...

24. **Localized principal component analysis learning for face feature extraction and recognition**
... L Xu - Proc. Workshop 3D Computer Vision, 1997 - cs.wits.ac.za
... and Recognition Irwin King king@cse.cuhk.edu.hk Lei Xu lxu@cse.cuhk.edu.hk Department of Computer Science & Engineering The Chinese University of Hong Kong Shatin, New Territories, Hong Kong Irwin King and Lei Xu. ...

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[書籍] Neural Based Orthogonal Data Fitting: The EXIN Neural Networks
G Cirićcione… - 2010 - books.google.com
The presentation of a novel theory in orthogonal regression The literature about neural-based algorithms is often dedicated to principal component analysis (PCA) and considers minor component analysis (MCA) a mere consequence. Breaking the mold, ...

[書籍] Neural network systems, techniques and applications in pattern recognition
J Lampinen, J Laaksonen… - 1997 - Citeseer
Pattern recognition (PR) is the science and art of giving names to the natural objects in the real world. It is often considered part of arti cial intelligence. However, the problem here is even more challenging because the observations are not in symbolic form and often ...

[書籍] Passive eye monitoring: algorithms, applications and experiments
RI Hammoud - 2008 - books.google.com
This practical reference provides you a comprehensive in-depth coverage of both theory and practice of cutting-edge Passive Eye (-Gaze) Monitoring technology. It describes and examines vision algorithms, Human Factors methodologies, and hardware build in eye- ...
25. [HTML] Bayesian Ying Yang learning
L Xu - Scholarpedia, 2007 - scholarpedia.org
...Bronner. Lei Xu, Dept. Computer Science & Engineering, Chinese University of Hong Kong. Bayesian ... 87. Jordan, MI & Xu, L (1995), "Convergence results for the EM approach to mixtures of experts", Neural Networks 8: 1409-1431. Mackey ...
被引用 15 次 - 相關文章 - 資料庫 - 全部共 5 個版本

Cited by 1 book

WR Zhang - 2011 - books.google.com
YinYang Bipolar Relativity: A Unifying Theory of Nature, Agents and Causality with Applications in Quantum Computing, Cognitive Informatics and Life Sciences presents real-world applications of YinYang bipolar relativity that focus on quantum computing and ...
被引用 2 次 - 相關文章 - 圖書館搜尋 - 全部共 3 個版本

26. [PDF] RBF nets, mixture experts, and Bayesian Ying-Yang learning
L Xu - Neurocomputing, 1998 - Elsevier
... estimators, a number of interesting theoretical results have been obtained for the upper bounds of convergence rate of the approximation error with respect to the number of basis functions, and the upper bounds for the pointwise convergence rate and L 2 convergence rate of ...
被引用 84 次 - 相關文章 - 全部共 15 個版本

Cited by 1 book

[書籍] Control of complex systems
KJ Åström - 2001 - books.google.com
The world of artificial systems is reaching hitherto undreamed-of levels of complexity. Surface traffic, electricity distribution, mobile communications, etc., demonstrate that problems are arising that are beyond classical scientific or engineering knowledge. In ...
被引用 98 次 - 相關文章 - 圖書館搜尋 - 全部共 9 個版本