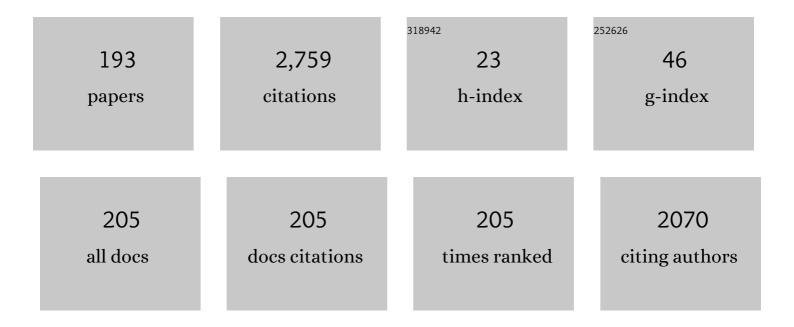
## Liang Zhao

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3114844/publications.pdf Version: 2024-02-01



<u>ΓΙΛΝΟ ΖΗΛΟ</u>

| #  | Article                                                                                                                                                      | lF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Link Prediction Based on Stochastic Information Diffusion. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3522-3532.                   | 7.2 | 6         |
| 2  | Stock market trend detection and automatic decision-making through a network-based classification model. Natural Computing, 2021, 20, 791-804.               | 1.8 | 4         |
| 3  | A review and comparative analysis of coarsening algorithms on bipartite networks. European Physical<br>Journal: Special Topics, 2021, 230, 2801-2811.        | 1.2 | 8         |
| 4  | Network community detection via iterative edge removal in a flocking-like system. European Physical<br>Journal: Special Topics, 2021, 230, 2843-2855.        | 1.2 | 1         |
| 5  | A New Particle Competition Model for Community Detection with Application in Functional Brain Networks. , 2021, , .                                          |     | 0         |
| 6  | Echo State Network Performance Analysis Using Non-random Topologies. Communications in Computer and Information Science, 2021, , 133-146.                    | 0.4 | 1         |
| 7  | Anomaly Detection in Brazilian Federal Government Purchase Cards Through Unsupervised Learning Techniques. Lecture Notes in Computer Science, 2021, , 19-32. | 1.0 | 0         |
| 8  | Global fire season severity analysis and forecasting. Computers and Geosciences, 2020, 134, 104339.                                                          | 2.0 | 23        |
| 9  | A tourist walk approach for internal and external outlier detection. Neurocomputing, 2020, 393, 203-213.                                                     | 3.5 | 4         |
| 10 | Spatiotemporal data analysis with chronological networks. Nature Communications, 2020, 11, 4036.                                                             | 5.8 | 17        |
| 11 | An Optimized Modularity-Based High Level Classification Model. , 2020, , .                                                                                   |     | 0         |
| 12 | Diversity-induced resonance for optimally suprathreshold signals. Chaos, 2020, 30, 103101.                                                                   | 1.0 | 14        |
| 13 | Classifying El Niño-Southern Oscillation Combining Network Science and Machine Learning. IEEE<br>Access, 2020, 8, 55711-55723.                               | 2.6 | 10        |
| 14 | Temporal Network Pattern Identification by Community Modelling. Scientific Reports, 2020, 10, 240.                                                           | 1.6 | 6         |
| 15 | Particle Competition for Unbalanced Community Detection in Complex Networks. Lecture Notes in Computer Science, 2020, , 322-336.                             | 1.0 | 0         |
| 16 | Predicting the Evolution of COVID-19 Cases and Deaths Through a Correlations-Based Temporal Network. Lecture Notes in Computer Science, 2020, , 397-411.     | 1.0 | 0         |
| 17 | A new network-base high-level data classification methodology (Quipus) by modeling attribute-attribute interactions. , 2020, , .                             |     | 0         |
| 18 | Evaluating link prediction by diffusion processes in dynamic networks. Scientific Reports, 2019, 9, 10833.                                                   | 1.6 | 9         |

| #  | Article                                                                                                                                                                 | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Particle Competition for Multilayer Network Community Detection. , 2019, , .                                                                                            |     | 7         |
| 20 | Time series trend detection and forecasting using complex network topology analysis. Neural Networks, 2019, 117, 295-306.                                               | 3.3 | 26        |
| 21 | Analyzing the Bills-Voting Dynamics and Predicting Corruption-Convictions Among Brazilian<br>Congressmen Through Temporal Networks. Scientific Reports, 2019, 9, 16754. | 1.6 | 11        |
| 22 | A Network-Based Model for Optimizing Returns in the Stock Market. , 2019, , .                                                                                           |     | 2         |
| 23 | Particle swarm optimization for network-based data classification. Neural Networks, 2019, 110, 243-255.                                                                 | 3.3 | 36        |
| 24 | From spatio-temporal data to chronological networks. , 2019, , .                                                                                                        |     | 8         |
| 25 | NK Hybrid Genetic Algorithm for Clustering. IEEE Transactions on Evolutionary Computation, 2018, 22, 748-761.                                                           | 7.5 | 38        |
| 26 | Organizational Data Classification Based on the Importance Concept of Complex Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3361-3373. | 7.2 | 20        |
| 27 | Network Unfolding Map by Vertex-Edge Dynamics Modeling. IEEE Transactions on Neural Networks and<br>Learning Systems, 2018, 29, 405-418.                                | 7.2 | 11        |
| 28 | A scheme for high level data classification using random walk and network measures. Expert Systems<br>With Applications, 2018, 92, 289-303.                             | 4.4 | 17        |
| 29 | A Network-Based High Level Data Classification Technique. , 2018, , .                                                                                                   |     | 11        |
| 30 | Analysis of Graph Construction Methods in Supervised Data Classification. , 2018, , .                                                                                   |     | 6         |
| 31 | Feature Learning in Feature-Sample Networks Using Multi-Objective Optimization. , 2018, , .                                                                             |     | 0         |
| 32 | Computing Burrows-Wheeler Similarity Distributions for String Collections. Lecture Notes in Computer Science, 2018, , 285-296.                                          | 1.0 | 2         |
| 33 | Time Series Trend Detection and Forecasting Using Complex Network Topology Analysis. , 2018, , .                                                                        |     | 3         |
| 34 | Advantages of Edge-Centric Collective Dynamics in Machine Learning Tasks. Journal of Applied<br>Nonlinear Dynamics, 2018, 7, 269-285.                                   | 0.1 | 1         |
| 35 | Attribute-based Decision Graphs: A framework for multiclass data classification. Neural Networks, 2017, 85, 69-84.                                                      | 3.3 | 12        |
| 36 | Structural outlier detection: A tourist walk approach. , 2017, , .                                                                                                      |     | 2         |

Structural outlier detection: A tourist walk approach. , 2017, , . 36

| #  | Article                                                                                                                                                                            | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Improving semantic role labeling using high-level classification in complex networks. , 2017, , .                                                                                  |     | 0         |
| 38 | Nature-Inspired Graph Optimization for Dimensionality Reduction. , 2017, , .                                                                                                       |     | 3         |
| 39 | Random Walk in Feature-Sample Networks for Semi-supervised Classification. , 2016, , .                                                                                             |     | 2         |
| 40 | An embedded imputation method via Attribute-based Decision Graphs. Expert Systems With Applications, 2016, 57, 159-177.                                                            | 4.4 | 15        |
| 41 | A New Evaluation Function for Clustering. , 2016, , .                                                                                                                              |     | 6         |
| 42 | Network structural optimization based on swarm intelligence for highlevel classification. , 2016, , .                                                                              |     | 6         |
| 43 | Semi-Supervised Classification by Particle Competition in Complex Network's Edges. International<br>Journal of Pattern Recognition and Artificial Intelligence, 2016, 30, 1660006. | 0.7 | 0         |
| 44 | Data heterogeneity consideration in semi-supervised learning. Expert Systems With Applications, 2016, 45, 234-247.                                                                 | 4.4 | 7         |
| 45 | An object-based visual selection framework. Neurocomputing, 2016, 180, 35-54.                                                                                                      | 3.5 | 2         |
| 46 | Musical rhythmic pattern extraction using relevance of communities in networks. Information Sciences, 2016, 329, 819-848.                                                          | 4.0 | 11        |
| 47 | A Network of Neural Oscillators for Fractal Pattern Recognition. Neural Processing Letters, 2016, 44, 149-159.                                                                     | 2.0 | 3         |
| 48 | Case Study of Network-Based Unsupervised Learning: Stochastic Competitive Learning in Networks. , 2016, , 241-290.                                                                 |     | 0         |
| 49 | Case Study of Network-Based Semi-Supervised Learning: Stochastic Competitive-Cooperative Learning in Networks. , 2016, , 291-321.                                                  |     | 1         |
| 50 | Network-Based Semi-Supervised Learning. , 2016, , 181-205.                                                                                                                         |     | 0         |
| 51 | Network-Based Unsupervised Learning. , 2016, , 143-180.                                                                                                                            |     | 1         |
| 52 | Machine Learning in Complex Networks. , 2016, , .                                                                                                                                  |     | 62        |
| 53 | Complex Networks. , 2016, , 15-70.                                                                                                                                                 |     | 1         |
|    |                                                                                                                                                                                    |     |           |

4

| #  | Article                                                                                                                                                       | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Time series clustering via community detection in networks. Information Sciences, 2016, 326, 227-242.                                                         | 4.0 | 120       |
| 56 | Network-Based Supervised Learning. , 2016, , 133-141.                                                                                                         |     | 0         |
| 57 | Case Study of Network-Based Supervised Learning: High-Level Data Classification. , 2016, , 207-240.                                                           |     | 0         |
| 58 | Semi-supervised learning by edge domination in complex networks. , 2015, , .                                                                                  |     | 0         |
| 59 | Interactive image segmentation using particle competition and cooperation. , 2015, , .                                                                        |     | 6         |
| 60 | Particle competition and cooperation for semi-supervised learning with label noise. Neurocomputing, 2015, 160, 63-72.                                         | 3.5 | 18        |
| 61 | A Time Series Clustering Technique based on Community Detection in Networks. Procedia Computer Science, 2015, 53, 183-190.                                    | 1.2 | 12        |
| 62 | High-level pattern-based classification via tourist walks in networks. Information Sciences, 2015, 294,<br>109-126.                                           | 4.0 | 32        |
| 63 | Network-based supervised data classification by using an heuristic of ease of access. Neurocomputing, 2015, 149, 86-92.                                       | 3.5 | 13        |
| 64 | Interactive Image Segmentation of Non-contiguous Classes Using Particle Competition and Cooperation. Lecture Notes in Computer Science, 2015, , 203-216.      | 1.0 | 2         |
| 65 | An Object-Based Visual Selection Model Combining Physical Features and Memory. , 2014, , .                                                                    |     | 1         |
| 66 | Regular graph construction for semi-supervised learning. Journal of Physics: Conference Series, 2014, 490, 012022.                                            | 0.3 | 8         |
| 67 | Recognizing Fractal Patterns Using a Ring of Phase Oscillators. , 2014, , .                                                                                   |     | 1         |
| 68 | Detecting Time Series Periodicity Using Complex Networks. , 2014, , .                                                                                         |     | 9         |
| 69 | Rhythmic Pattern Extraction by Community Detection in Complex Networks. , 2014, , .                                                                           |     | Ο         |
| 70 | Evaluating and Comparing the IGraph Community Detection Algorithms. , 2014, , .                                                                               |     | 7         |
| 71 | Network-based data classification: combining K-associated optimal graphs and high-level prediction.<br>Journal of the Brazilian Computer Society, 2014, 20, . | 0.8 | 11        |
| 72 | A flocking-like technique to perform semi-supervised learning. , 2014, , .                                                                                    |     | 1         |

| #  | Article                                                                                                                                                        | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | K-associated optimal network for graph embedding dimensionality reduction. , 2014, , .                                                                         |     | 6         |
| 74 | Imputation of missing data supported by Complete p-Partite attribute-based Decision Graphs. , 2014, , .                                                        |     | 1         |
| 75 | A semi-supervised classification technique based on interacting forces. Neurocomputing, 2014, 127, 43-51.                                                      | 3.5 | 3         |
| 76 | Effect of nonidentical signal phases on signal amplification of two coupled excitable neurons.<br>Neurocomputing, 2014, 127, 21-29.                            | 3.5 | 2         |
| 77 | Phase-Noise-Induced Resonance in Arrays of Coupled Excitable Neural Models. IEEE Transactions on<br>Neural Networks and Learning Systems, 2013, 24, 1339-1345. | 7.2 | 0         |
| 78 | An incremental learning algorithm based on the K-associated graph for non-stationary data classification. Information Sciences, 2013, 246, 52-68.              | 4.0 | 26        |
| 79 | Gating-signal propagation by a feed-forward neural motif. Physical Review E, 2013, 88, 012910.                                                                 | 0.8 | 8         |
| 80 | Fuzzy community structure detection by particle competition and cooperation. Soft Computing, 2013, 17, 659-673.                                                | 2.1 | 24        |
| 81 | Classification of multiple observation sets via network modularity. Neural Computing and Applications, 2013, 23, 1923-1929.                                    | 3.2 | 5         |
| 82 | Data clustering using controlled consensus in complex networks. Neurocomputing, 2013, 118, 132-140.                                                            | 3.5 | 21        |
| 83 | Detecting and preventing error propagation via competitive learning. Neural Networks, 2013, 41, 70-84.                                                         | 3.3 | 10        |
| 84 | Attribute-based Decision Graphs for multiclass data classification. , 2013, , .                                                                                |     | 5         |
| 85 | Ensemble of complete P-partite graph classifiers for non-stationary environments. , 2013, , .                                                                  |     | 5         |
| 86 | High Level Classification Totally Based on Complex Networks. , 2013, , .                                                                                       |     | 4         |
| 87 | A Comparison of Two Purity-Based Algorithms When Applied to Semi-supervised Streaming Data<br>Classification. , 2013, , .                                      |     | 1         |
| 88 | Computer-aided music composition with LSTM neural network and chaotic inspiration. , 2013, , .                                                                 |     | 14        |
| 89 | Dimensionality reduction with the k-associated optimal graph applied to image classification. , 2013, , .                                                      |     | 5         |
| 90 | Pattern-Based Classification via a High Level Approach Using Tourist Walks in Networks. , 2013, , .                                                            |     | 1         |

6

| #   | Article                                                                                                                                                     | IF  | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91  | Handwritten digits recognition using a high level network-based approach. , 2013, , .                                                                       |     | 0         |
| 92  | Selecting Nodes with Inhomogeneous Profile for Labeling for Network-Based Semi-supervised Learning. , 2013, , .                                             |     | 1         |
| 93  | Handwritten Data Clustering Using Agents Competition in Networks. Journal of Mathematical Imaging and Vision, 2013, 45, 264-276.                            | 0.8 | 9         |
| 94  | A Network-Based Semi-supervised Outlier Detection Technique Using Particle Competition and Cooperation. , 2013, , .                                         |     | 2         |
| 95  | Uncovering overlapping cluster structures via stochastic competitive learning. Information Sciences, 2013, 247, 40-61.                                      | 4.0 | 19        |
| 96  | Investigation of complex dynamics in a recurrent neural network with network community structure and asymmetric weight matrix. , 2013, , .                  |     | 0         |
| 97  | High level data classification based on network entropy. , 2013, , .                                                                                        |     | 1         |
| 98  | Semi-supervised Learning with Concept Drift Using Particle Dynamics Applied to Network Intrusion Detection Data. , 2013, , .                                |     | 7         |
| 99  | Structural Relationships between Spiking Neural Networks and Functional Samples. , 2013, , .                                                                |     | 0         |
| 100 | Detecting and labeling representative nodes for network-based semi-supervised learning. , 2013, , .                                                         |     | 3         |
| 101 | Top-Down Biasing and Modulation for Object-Based Visual Attention. Lecture Notes in Computer Science, 2013, , 325-332.                                      | 1.0 | 4         |
| 102 | Bias-Guided Random Walk for Network-Based Data Classification. Lecture Notes in Computer Science, 2013, , 375-384.                                          | 1.0 | 0         |
| 103 | A Purity Measure Based Transductive Learning Algorithm. Lecture Notes in Computer Science, 2013, , 405-412.                                                 | 1.0 | 1         |
| 104 | Particle Competition and Cooperation in Networks for Semi-Supervised Learning. IEEE Transactions on<br>Knowledge and Data Engineering, 2012, 24, 1686-1698. | 4.0 | 56        |
| 105 | Optimal signal amplification in weighted scale-free networks. Chaos, 2012, 22, 023128.                                                                      | 1.0 | 7         |
| 106 | Particle Competition and Cooperation to Prevent Error Propagation from Mislabeled Data in<br>Semi-supervised Learning. , 2012, , .                          |     | 4         |
| 107 | Firing Activity Induced by Nonidentical Signal Phases in Two Coupled Excitable Neurons. , 2012, , .                                                         |     | 1         |
| 108 | Preventing Error Propagation in Semi-supervised Learning. Lecture Notes in Computer Science, 2012, ,<br>565-572.                                            | 1.0 | 1         |

| #   | Article                                                                                                                                                    | lF  | CITATIONS |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Network-Based High Level Data Classification. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 954-970.                                | 7.2 | 73        |
| 110 | Phase-disorder-induced firing activity in excitable neuronal networks with attractive and repulsive coupling. Neural Networks, 2012, 35, 40-45.            | 3.3 | 4         |
| 111 | Detecting and Preventing Error Propagation via Competitive Learning. Procedia Computer Science, 2012, 13, 192-197.                                         | 1.2 | 1         |
| 112 | An Energy Exchanging Mechanism for Data Clustering. , 2012, , .                                                                                            |     | 0         |
| 113 | Robustness Analysis of Network-Based Semi-supervised Learning Algorithms. , 2012, , .                                                                      |     | 0         |
| 114 | An Object-Based Visual Selection Model with Bottom-Up and Top-Down Modulations. , 2012, , .                                                                |     | 4         |
| 115 | Using Interacting Forces to Perform Semi-supervised Learning. , 2012, , .                                                                                  |     | 3         |
| 116 | Using Katz Centrality to Classify Multiple Pattern Transformations. , 2012, , .                                                                            |     | 5         |
| 117 | Particle competition and cooperation in networks for semi-supervised learning with concept drift. , 2012, , .                                              |     | 12        |
| 118 | Detecting overlapping structures via network-based competitive learning. , 2012, , .                                                                       |     | 1         |
| 119 | Model of top-down / bottom-up visual attention for location of salient objects in specific domains. , 2012, , .                                            |     | 6         |
| 120 | Enhancing Weak Signal Transmission Through a Feedforward Network. IEEE Transactions on Neural<br>Networks and Learning Systems, 2012, 23, 1506-1512.       | 7.2 | 6         |
| 121 | QK-Means: A clustering technique based on community detection and K-Means for deployment of cluster head nodes. , 2012, , .                                |     | 9         |
| 122 | Partially labeled data stream classification with the semi-supervised K-associated graph. Journal of the<br>Brazilian Computer Society, 2012, 18, 299-310. | 0.8 | 15        |
| 123 | Semi-supervised learning guided by the modularity measure in complex networks. Neurocomputing, 2012, 78, 30-37.                                            | 3.5 | 24        |
| 124 | Network-Based Stochastic Semisupervised Learning. IEEE Transactions on Neural Networks and<br>Learning Systems, 2012, 23, 451-466.                         | 7.2 | 47        |
| 125 | Stochastic Competitive Learning in Complex Networks. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 385-398.                         | 7.2 | 54        |
| 126 | Signal amplification of active rotators with phase-shifted coupling. European Physical Journal B, 2012,<br>85, 1.                                          | 0.6 | 96        |

3

| #   | Article                                                                                                                                         | IF  | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Stochastic Resonance in Excitable Neuronal System with Phase-Noise. Lecture Notes in Computer Science, 2012, , 304-310.                         | 1.0 | 0         |
| 128 | Controlled consensus time for community detection in complex networks. , 2011, , .                                                              |     | 1         |
| 129 | High Level Classification for Pattern Recognition. , 2011, , .                                                                                  |     | 0         |
| 130 | Network-based learning through particle competition for data clustering. , 2011, , .                                                            |     | 0         |
| 131 | Traffic Congestion on Clustered Random Complex Networks. Communications in Computer and Information Science, 2011, , 13-21.                     | 0.4 | 1         |
| 132 | A nonparametric classification method based on K-associated graphs. Information Sciences, 2011, 181, 5435-5456.                                 | 4.0 | 45        |
| 133 | Selecting salient objects in real scenes: An oscillatory correlation model. Neural Networks, 2011, 24, 54-64.                                   | 3.3 | 25        |
| 134 | Particle Competition and Cooperation for Uncovering Network Overlap Community Structure.<br>Lecture Notes in Computer Science, 2011, , 426-433. | 1.0 | 3         |
| 135 | Phase-noise-induced resonance in a single neuronal system. Physical Review E, 2011, 84, 031916.                                                 | 0.8 | 40        |
| 136 | Generation of composed musical structures through recurrent neural networks based on chaotic inspiration. , 2011, , .                           |     | 10        |
| 137 | Stochastic Competitive Learning Applied to Handwritten Digit and Letter Clustering. , 2011, , .                                                 |     | 1         |
| 138 | Label propagation through neuronal synchrony. , 2010, , .                                                                                       |     | 12        |
| 139 | Characterizing chaotic melodies in automatic music composition. Chaos, 2010, 20, 033125.                                                        | 1.0 | 9         |
| 140 | Identifying abnormal nodes in complex networks by using random walk measure. , 2010, , .                                                        |     | 2         |
| 141 | Semi-supervised learning from imperfect data through particle cooperation and competition. , 2010, , .                                          |     | 19        |
| 142 | Phase-disorder-induced double resonance of neuronal activity. Physical Review E, 2010, 82, 010902.                                              | 0.8 | 35        |
| 143 | Identifying Abnormal Nodes in Protein-Protein Interaction Networks. , 2010, , .                                                                 |     | 0         |
|     |                                                                                                                                                 |     |           |

144 Chaotic phase synchronization for visual selection. , 2009, , .

| #   | Article                                                                                                                                                                                   | IF  | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 145 | Design of associative memories using cellular neural networks. Neurocomputing, 2009, 72, 2180-2188.                                                                                       | 3.5 | 19        |
| 146 | A network of integrate and fire neurons for visual selection. Neurocomputing, 2009, 72, 2198-2208.                                                                                        | 3.5 | 6         |
| 147 | Chaotic phase synchronization and desynchronization in an oscillator network for object selection.<br>Neural Networks, 2009, 22, 728-737.                                                 | 3.3 | 49        |
| 148 | An oscillatory correlation model of object-based attention. , 2009, , .                                                                                                                   |     | 7         |
| 149 | Comparison of MTR Escape Design in Different Regions. , 2009, , .                                                                                                                         |     | 0         |
| 150 | Classification Based on the Optimal K-Associated Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 1167-1177. | 0.2 | 7         |
| 151 | Chaotic synchronization in 2D lattice for scene segmentation. Neurocomputing, 2008, 71, 2761-2771.                                                                                        | 3.5 | 11        |
| 152 | Chaotic synchronization in general network topology for scene segmentation. Neurocomputing, 2008, 71, 3360-3366.                                                                          | 3.5 | 21        |
| 153 | Complex Network Community Detection Based on Swarm Aggregation. , 2008, , .                                                                                                               |     | 5         |
| 154 | Data clustering based on complex network community detection. , 2008, , .                                                                                                                 |     | 9         |
| 155 | Particle competition for complex network community detection. Chaos, 2008, 18, 033107.                                                                                                    | 1.0 | 45        |
| 156 | Visual Selection with Feature Contrast-Based Inhibition in a Network of Integrate and Fire Neurons. , 2008, , .                                                                           |     | 4         |
| 157 | Pixel Clustering by Using Complex Network Community Detection Technique. , 2007, , .                                                                                                      |     | 3         |
| 158 | A Visual Selection Mechanism Based on a Pulse-Coupled Neural Network. Neural Networks (IJCNN),<br>International Joint Conference on, 2007, , .                                            | 0.0 | 5         |
| 159 | Optimal structure of complex networks for minimizing traffic congestion. Chaos, 2007, 17, 043103.                                                                                         | 1.0 | 25        |
| 160 | A Visual Selection Mechanism Based on Network of Chaotic Wilson-Cowan Oscillators. , 2007, , .                                                                                            |     | 2         |
| 161 | A Network of Dynamically Coupled Elements for Pixel Clustering. Neural Networks (IJCNN),<br>International Joint Conference on, 2007, , .                                                  | 0.0 | 0         |
| 162 | Visual Selection and Shifting Mechanisms Based on a Network of Chaotic Wilson-Cowan Oscillators. ,<br>2007, , .                                                                           |     | 5         |

| #   | Article                                                                                                                           | IF  | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 163 | Associative Memories Using Cellular Neural Networks. , 2007, , .                                                                  |     | 1         |
| 164 | Attack induced cascading breakdown in complex networks. Journal of the Brazilian Computer Society, 2007, 13, 67-76.               | 0.8 | 8         |
| 165 | Associative Memories Using Cellular Neural Networks. , 2007, , .                                                                  |     | 0         |
| 166 | A Visual Selection Mechanism Based on Network of Chaotic Wilson-Cowan Oscillators. , 2007, , .                                    |     | 0         |
| 167 | Pixel Clustering by Using Complex Network Community Detection Technique. , 2007, , .                                              |     | 0         |
| 168 | A Pulse-Coupled Neural Network as A Simplified Bottom-Up Visual Attention Model. , 2006, , .                                      |     | 1         |
| 169 | Lattice Synchronization of Neural Oscillators for Scene Segmentation. , 2006, , .                                                 |     | 0         |
| 170 | Chaotic dynamics for multi-value content addressable memory. Neurocomputing, 2006, 69, 1628-1636.                                 | 3.5 | 13        |
| 171 | Complex networks: Dynamics and security. Pramana - Journal of Physics, 2005, 64, 483-502.                                         | 0.9 | 28        |
| 172 | Transition to intermittent chaotic synchronization. Physical Review E, 2005, 72, 036212.                                          | 0.8 | 14        |
| 173 | Tolerance of scale-free networks against attack-induced cascades. Physical Review E, 2005, 72, 025104.                            | 0.8 | 107       |
| 174 | Jamming in complex gradient networks. Physical Review E, 2005, 71, 065105.                                                        | 0.8 | 55        |
| 175 | Onset of traffic congestion in complex networks. Physical Review E, 2005, 71, 026125.                                             | 0.8 | 412       |
| 176 | A Self-organized Network for Data Clustering. Lecture Notes in Computer Science, 2005, , 1189-1198.                               | 1.0 | 0         |
| 177 | Attack vulnerability of scale-free networks due to cascading breakdown. Physical Review E, 2004, 70, 035101.                      | 0.8 | 263       |
| 178 | Limits to chaotic phase synchronization. Europhysics Letters, 2004, 66, 324-330.                                                  | 0.7 | 9         |
| 179 | A dynamical model with adaptive pixel moving for microarray images segmentation. Real Time Imaging, 2004, 10, 189-195.            | 1.6 | 12        |
| 180 | Pixel Clustering by Adaptive Pixel Moving and Chaotic Synchronization. IEEE Transactions on Neural Networks, 2004, 15, 1176-1185. | 4.8 | 7         |

| #   | Article                                                                                                                                                        | IF  | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 181 | Chaotic Synchronization for Scene Segmentation. International Journal of Modern Physics B, 2003, 17, 4387-4394.                                                | 1.0 | 9         |
| 182 | A Network of Coupled Chaotic Maps for Adaptive Multi-Scale Image Segmentation. International<br>Journal of Neural Systems, 2003, 13, 129-137.                  | 3.2 | 11        |
| 183 | A network of dynamically coupled chaotic maps for scene segmentation. IEEE Transactions on Neural Networks, 2001, 12, 1375-1385.                               | 4.8 | 25        |
| 184 | SCENE SEGMENTATION OF THE CHAOTIC OSCILLATOR NETWORK. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 1697-1708. | 0.7 | 22        |
| 185 | Scene Segmentation by Chaotic Synchronization and Desynchronization. Lecture Notes in Computer Science, 2000, , 473-481.                                       | 1.0 | 0         |
| 186 | A biologically motivated paradigm for scene segmentation. , 0, , .                                                                                             |     | 0         |
| 187 | A network of globally coupled chaotic maps for adaptive multi-resolution image segmentation. , 0, , .                                                          |     | 3         |
| 188 | A dynamical model for multi-scale pixel clustering. , 0, , .                                                                                                   |     | 0         |
| 189 | Chaotic associative recalls for fixed point attractor patterns. , 0, , .                                                                                       |     | 0         |
| 190 | Time series pattern identification by hierarchical community detection. European Physical Journal:<br>Special Topics, 0, , 1.                                  | 1.2 | 4         |
| 191 | Features of edge-centric collective dynamics in machine learning tasks. , 0, , .                                                                               |     | 0         |
| 192 | A dynamically coupled chaotic oscillatory correlation network. , 0, , .                                                                                        |     | 1         |
| 193 | Clustered and deep echo state networks for signal noise reduction. Machine Learning, 0, , 1.                                                                   | 3.4 | 4         |