

Anke Meyer-Baese

List of Publications by Year in descending order

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234
papers

2,096
citations

304743

22
h-index

315739

38
g-index

242
all docs

242
docs citations

242
times ranked

1811
citing authors

#	ARTICLE	IF	CITATIONS
1	Stationary distribution of a stochastic vegetation-water system with reaction-diffusion. Applied Mathematics Letters, 2022, 123, 107589.	2.7	10
2	Finite-time stability and optimal control of a stochastic reaction-diffusion model for Alzheimer's disease with impulse and time-varying delay. Applied Mathematical Modelling, 2022, 102, 511-539.	4.2	12
3	Bifurcation Analysis and Finite-Time Contraction Stability of an Alzheimer Disease Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	1
4	Stability in distribution for a stochastic Alzheimer's disease model with reaction diffusion. Nonlinear Dynamics, 2022, 108, 4243-4260.	5.2	5
5	Radiophysics: Brain Tumors Classification by Machine Learning and Physiological MRI Data. Cancers, 2022, 14, 2363.	3.7	17
6	Analysis of a stochastic reaction-diffusion Alzheimer's disease system driven by space-time white noise. Applied Mathematics Letters, 2022, 134, 108308.	2.7	2
7	Facial Emotion Recognition Using Asymmetric Pyramidal Networks With Gradient Centralization. IEEE Access, 2021, 9, 64487-64498.	4.2	6
8	Dynamic analysis of a soil organic matter and plant system with reaction-diffusion. Chaos, Solitons and Fractals, 2021, 146, 110883.	5.1	5
9	An Evolutionary Framework for Real-Time Fraudulent Credit Detection. , 2021, , .		0
10	The positive numerical solution for stochastic age-dependent capital system based on explicit-implicit algorithm. Applied Numerical Mathematics, 2021, 165, 198-215.	2.1	3
11	Structural Target Controllability of Brain Networks in Dementia. , 2021, 2021, 3978-3981.		2
12	Imprecise parameters for near-optimal control of stochastic SIV epidemic model. Mathematical Methods in the Applied Sciences, 2020, 43, 2301-2321.	2.3	5
13	Multiobjective genetic programming for reinforced concrete beam modeling. Applied AI Letters, 2020, 1, e9.	2.2	3
14	AI-Enhanced Diagnosis of Challenging Lesions in Breast MRI : A Methodology and Application Primer. Journal of Magnetic Resonance Imaging, 2020, 54, 686-702.	3.4	26
15	Current Status and Future Perspectives of Artificial Intelligence in Magnetic Resonance Breast Imaging. Contrast Media and Molecular Imaging, 2020, 2020, 1-18.	0.8	16
16	Stationary distribution of a stochastic Alzheimer's disease model. Mathematical Methods in the Applied Sciences, 2020, 43, 9706-9718.	2.3	10
17	An Interpretable Deep Learning Framework for Health Monitoring Systems: A Case Study of Eye State Detection using EEG Signals. , 2020, , .		4
18	Contrast-enhanced spectral mammography in the evaluation of breast suspicious calcifications: diagnostic accuracy and impact on surgical management. Acta Radiologica, 2019, 60, 1110-1117.	1.1	40

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19	Technical Note: A comparison of point set registration methods for electromagnetic tracking. Medical Physics, 2019, 46, 2025-2030.	3.0	4
20	Impact of Machine Learning With Multiparametric Magnetic Resonance Imaging of the Breast for Early Prediction of Response to Neoadjuvant Chemotherapy and Survival Outcomes in Breast Cancer Patients. Investigative Radiology, 2019, 54, 110-117.	6.2	185
21	Pinning observability of competitive neural networks with different timeâ€™constants. Neurocomputing, 2019, 329, 97-102.	5.9	5
22	Determining driver nodes in dynamic signed biological networks. , 2019, , .		3
23	A theta-scheme approximation of basic reproduction number for an age-structured epidemic system in a finite horizon. Mathematical Biosciences and Engineering, 2019, 16, 4107-4121.	1.9	6
24	Model reduction of structural biological networks by cycle removal. , 2019, , .		0
25	A big data inspired preprocessing scheme for bandwidth use optimization in smart cities applications using Raspberry Pi. , 2019, , .		7
26	Big data analytics in medical imaging using deep learning. , 2019, , .		6
27	A Pareto Front Based Evolutionary Model for Airfoil Self-Noise Prediction. , 2018, , .		5
28	Automated Detection and Segmentation of Nonmass-Enhancing Breast Tumors with Dynamic Contrast-Enhanced Magnetic Resonance Imaging. Contrast Media and Molecular Imaging, 2018, 2018, 1-11.	0.8	14
29	An Evolutionary Online Framework for MOOC Performance Using EEG Data. , 2018, , .		13
30	Multi-stage optimization of a deep model: A case study on ground motion modeling. PLoS ONE, 2018, 13, e0203829.	2.5	20
31	Optimized Naive-Bayes and Decision Tree Approaches for fMRI Smoking Cessation Classification. Complexity, 2018, 2018, 1-24.	1.6	19
32	Deep Learning in Medical Imaging. , 2018, , .		22
33	Breast lesion segmentation software for DCE-MRI: An open source GPGPU based optimization. , 2018, , .		1
34	Determining the importance of parameters extracted from multi-parametric MRI in the early prediction of the response to neo-adjuvant chemotherapy in breast cancer. , 2018, , .		1
35	Determining disease evolution driver nodes in dementia networks. , 2018, , .		5
36	Machine learning for accurate differentiation of benign and malignant breast tumors presenting as non-mass enhancement. , 2018, , .		4

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37	Multi-level analysis of spatio-temporal features in non-mass enhancing breast tumors. , 2018, , .		2
38	Abstract 579: Magnetic resonance imaging of the breast and radiomics analysis for an improved early prediction of the response to neoadjuvant chemotherapy in breast cancer patients. , 2018, , .		1
39	Reproducible Evaluation of Registration Algorithms for Movement Correction in Dynamic Contrast Enhancing Magnetic Resonance Imaging for Breast Cancer Diagnosis. Lecture Notes in Computer Science, 2018, , 124-131.	1.3	0
40	NewsAnalyticalToolkit: an online natural language processing platform to analyze news. , 2018, , .		0
41	Reconfigurable instrument for measuring variations of capacitor's dielectric: an application to olive oil quality monitoring. , 2018, , .		0
42	Wearable biosignal acquisition system for decision aid. , 2018, , .		1
43	A scalable communication abstraction framework for internet of things applications using Raspberry Pi. , 2018, , .		0
44	Robust dissipativity and passivity based state estimation for discrete-time stochastic Markov jump neural networks with discrete and distributed time-varying delays. Neural Computing and Applications, 2017, 28, 717-735.	5.6	10
45	Intraoperative Magnetic Resonance Imaging of Cerebral Oxygen Metabolism During Resection of Brain Lesions. World Neurosurgery, 2017, 100, 388-394.	1.3	4
46	Pre-processing techniques to improve HEVC subjective quality. Proceedings of SPIE, 2017, , .	0.8	0
47	Reconfigurable wearable to monitor physiological variables and movement. , 2017, , .		0
48	The driving regulators of the connectivity protein network of brain malignancies. , 2017, , .		4
49	Dynamical graph theory networks techniques for the analysis of sparse connectivity networks in dementia. , 2017, , .		6
50	Information fusion based techniques for HEVC. , 2017, , .		4
51	High Performance GP-Based Approach for fMRI Big Data Classification. , 2017, , .		6
52	An evolutionary approach for fMRI big data classification. , 2017, , .		16
53	Independent Component Analysis-Support Vector Machine-Based Computer-Aided Diagnosis System for Alzheimer's™s with Visual Support. International Journal of Neural Systems, 2017, 27, 1650050.	5.2	74
54	Dynamical Graph Theory Networks Methods for the Analysis of Sparse Functional Connectivity Networks and for Determining Pinning Observability in Brain Networks. Frontiers in Computational Neuroscience, 2017, 11, 87.	2.1	10

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55	Code obfuscation using very long identifiers for FFT motion estimation models in embedded processors. <i>Journal of Real-Time Image Processing</i> , 2016, 11, 817-827.	3.5	2
56	Functional connectivity analysis of resting-state fMRI networks in nicotine dependent patients. , 2016, , .		0
57	Proteomic data analysis of glioma cancer stem-cell lines based on novel nonlinear dimensional data reduction techniques. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
58	Computer-aided diagnosis of diagnostically challenging lesions in breast MRI: a comparison between a radiomics and a feature-selective approach. , 2016, , .		0
59	HEVC optimizations for medical environments. , 2016, , .		2
60	Inter- and intra-observer agreement of BI-RADS-based subjective visual estimation of amount of fibroglandular breast tissue with magnetic resonance imaging: comparison to automated quantitative assessment. <i>European Radiology</i> , 2016, 26, 3917-3922.	4.5	22
61	Normalization of T2W-MRI prostate images using Rician a priori. <i>Proceedings of SPIE</i> , 2016, , .	0.8	9
62	Inference of Predictive Phospho-regulatory Networks from LC-MS/MS Phosphoproteomics Data. , 2016, , .		0
63	Visual exploratory analysis of integrated chromosome 19 proteomic data derived from glioma cancer stem-cell lines based on novel nonlinear dimensional data reduction techniques. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
64	Elementary Morphology for SO(2)- and SO(3)-Orientation Fields. <i>Lecture Notes in Computer Science</i> , 2015, , 458-469.	1.3	4
65	Customized Nios II multi-cycle instructions to accelerate block-matching techniques. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
66	Independent component analysis algorithm FPGA design to perform real-time blind source separation. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
67	Dynamical complex network theory applied to the therapeutics of brain malignancies. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
68	Computer-aided diagnosis of breast MRI with high accuracy optical flow estimation. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
69	ClassiMap: A New Dimension Reduction Technique for Exploratory Data Analysis of Labeled Data. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2015, 29, 1551008.	1.2	8
70	Stability Analysis Including Monostability and Multistability in Dynamical System and Applications. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-2.	0.7	1
71	Spatial component analysis of MRI data for Alzheimer's disease diagnosis: a Bayesian network approach. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 156.	2.1	14
72	Computer-Aided Diagnosis for Diagnostically Challenging Breast Lesions in DCE-MRI. , 2014, , 391-420.		2

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73	Data analysis techniques in phosphoproteomics. Electrophoresis, 2014, 35, 3452-3462.	2.4	1
74	Feature Selection and Extraction. , 2014, , 21-69.		14
75	Subband Coding and Wavelet Transform. , 2014, , 71-111.		2
76	The Wavelet Transform in Medical Imaging. , 2014, , 113-134.		2
77	Statistical and Syntactic Pattern Recognition. , 2014, , 151-196.		5
78	Transformation and Signal-Separation Neural Networks. , 2014, , 245-289.		1
79	Neuro-Fuzzy Classification. , 2014, , 291-323.		1
80	Specialized Neural Networks Relevant to Bioimaging. , 2014, , 325-351.		0
81	Spatio-Temporal Models in Functional and Perfusion Imaging. , 2014, , 353-367.		0
82	OWGIS 2.0. , 2014, , .		3
83	Characterization of different datasets for ICA algorithms. , 2014, , .		0
84	GPU Implementation of Bayesian Neural Network Construction for Data-Intensive Applications. Journal of Physics: Conference Series, 2014, 513, 022027.	0.4	3
85	Foundations of Neural Networks. , 2014, , 197-243.		15
86	Analysis of Dynamic Susceptibility Contrast MRI Time-Series Based on Unsupervised Clustering Methods. , 2014, , 369-389.		1
87	Split Bregman's optimization method for image construction in compressive sensing. Proceedings of SPIE, 2014, , .	0.8	1
88	Advanced Computer Vision Approaches in Biomedical Image Analysis. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-2.	1.3	2
89	Integrative Biological Analysis For Neuropsychopharmacology. Neuropsychopharmacology, 2014, 39, 5-23.	5.4	17
90	An open source Java web application to build self-contained web GIS sites. Environmental Modelling and Software, 2014, 62, 210-220.	4.5	20

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91	Mining Interaction Patterns among Brain Regions by Clustering. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2237-2249.	5.7	6
92	Segmentation and Kinetic Analysis of Breast Lesions in DCE-MR Imaging Using ICA. Lecture Notes in Computer Science, 2014, , 45-59.	1.3	1
93	Visual analysis and dynamical control of phosphoproteomic networks. Proceedings of SPIE, 2013, , .	0.8	0
94	Automated analysis of spatio-temporal features for non-masses. Proceedings of SPIE, 2013, , .	0.8	0
95	CAD-system based on kinetic analysis for non-mass-enhancing lesions in DCE-MRI. , 2013, , .		1
96	Optimization of block-matching algorithms using custom instruction-based paradigm on NIOS II microprocessors. , 2013, , .		1
97	Automated analysis of non-mass-enhancing lesions in breast MRI based on morphological, kinetic, and spatio-temporal moments and joint segmentation-motion compensation technique. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	17
98	Computer-aided diagnosis for diagnostically challenging breast lesions in DCE-MRI based on image registration and integration of morphologic and dynamic characteristics. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	17
99	Stochastic stability analysis of competitive neural networks with different time-scales. Neurocomputing, 2013, 118, 115-118.	5.9	22
100	Motion Segmentation by Velocity Clustering with Estimation of Subspace Dimension. Lecture Notes in Computer Science, 2013, , 491-505.	1.3	2
101	Learning a Quality-Based Ranking for Feature Point Trajectories. Lecture Notes in Computer Science, 2013, , 718-733.	1.3	0
102	Computer-aided diagnosis of small lesions and non-masses in breast MRI. , 2012, , .		1
103	Spatio-temporal feature extraction for differentiation of non-mass-enhancing lesions in breast MRI. , 2012, , .		0
104	Quantitative analysis of breast DCE-MR images based on ICA and an empirical model. Proceedings of SPIE, 2012, , .	0.8	0
105	Automated analysis of single and joint kinetic and morphologic features for non-masses. , 2012, , .		0
106	Multiplatform GPGPU implementation of the active contours without edges algorithm. , 2012, , .		1
107	The extended TILAR approach: a novel tool for dynamic modeling of the transcription factor network regulating the adaption to in vitro cultivation of murine hepatocytes. BMC Systems Biology, 2012, 6, 147.	3.0	14
108	Evaluation of a Nonrigid Motion Compensation Technique Based on Spatiotemporal Features for Small Lesion Detection in Breast MRI. Advances in Artificial Neural Systems, 2012, 2012, 1-10.	1.0	1

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109	Selection of Spatiotemporal Features in Breast MRI to Differentiate between Malignant and Benign Small Lesions Using Computer-Aided Diagnosis. <i>Advances in Artificial Neural Systems</i> , 2012, 2012, 1-8.	1.0	0
110	Advances in Unsupervised Learning Techniques Applied to Biosciences and Medicine. <i>Advances in Artificial Neural Systems</i> , 2012, 2012, 1-2.	1.0	0
111	Measuring Non-Gaussianity by Phi-Transformed and Fuzzy Histograms. <i>Advances in Artificial Neural Systems</i> , 2012, 2012, 1-13.	1.0	0
112	Improved computer-aided diagnosis for breast lesions detection in DCE-MRI based on image registration and integration of morphologic and dynamic characteristics. , 2011, , .		1
113	Graph clustering techniques applied to the glycomic response in glioblastoma cells to treatments with STAT3 phosphorylation inhibition and fetal bovine serum. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
114	Gaussian graphical modeling reveals specific lipid correlations in glioblastoma cells. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
115	NIOS II processor-based acceleration of motion compensation techniques. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
116	Optical flow optimization using parallel genetic algorithm. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
117	Novel systems biology and computational methods for lipidomics. , 2010, , .		0
118	Application and evaluation of novel optical-flow-based motion correction algorithms to breast MRI. , 2010, , .		0
119	Information-Theoretic Model Selection for Independent Components. <i>Lecture Notes in Computer Science</i> , 2010, , 254-262.	1.3	1
120	An Undergraduate Course and Laboratory in Digital Signal Processing With Field Programmable Gate Arrays. <i>IEEE Transactions on Education</i> , 2010, 53, 638-645.	2.4	12
121	Local uniform stability of competitive neural networks with different time-scales under vanishing perturbations. <i>Neurocomputing</i> , 2010, 73, 770-775.	5.9	34
122	Computing H/D-Exchange rates of single residues from data of proteolytic fragments. <i>BMC Bioinformatics</i> , 2010, 11, 424.	2.6	41
123	Determining and interpreting correlations in lipidomic networks found in glioblastoma cells. <i>BMC Systems Biology</i> , 2010, 4, 126.	3.0	25
124	Computational techniques to the topology and dynamics of lipidomic networks found in glioblastoma cells. , 2010, , .		0
125	Robust stability analysis of Linsker-Type Hebbian learning multi-time scale neural networks under parametric uncertainties. , 2010, , .		0
126	Computer-aided diagnosis and lipidomics analysis to detect and treat breast cancer. , 2010, , .		0

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127	Robust Stability Analysis and Design Under Consideration of Multiple Feedback Loops of the Tryptophan Regulatory Network of Escherichia coli. <i>Advances in Experimental Medicine and Biology</i> , 2010, 680, 189-197.	1.6	0
128	Evaluation and visual exploratory analysis of DCE-MRI Data of breast lesions based on morphological features and novel dimension reduction methods. , 2009, , .		1
129	Global uniform stability analysis of biological networks with different time-scales under perturbations. , 2009, , .		1
130	Visual exploratory analysis of DCE-MRI data in breast cancer based on novel nonlinear dimensional data reduction techniques. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
131	Small Lesions Evaluation Based on Unsupervised Cluster Analysis of Signal-Intensity Time Courses in Dynamic Breast MRI. <i>International Journal of Biomedical Imaging</i> , 2009, 2009, 1-10.	3.9	12
132	On the application of (topographic) independent and tree-dependent component analysis for the examination of DCE-MRI data. <i>Biomedical Signal Processing and Control</i> , 2009, 4, 247-253.	5.7	11
133	Global stability analysis and robust design of multi-time-scale biological networks under parametric uncertainties. <i>Neural Networks</i> , 2009, 22, 658-663.	5.9	9
134	ICA, kernel methods and nonnegativity: New paradigms for dynamical component analysis of fMRI data. <i>Engineering Applications of Artificial Intelligence</i> , 2009, 22, 497-504.	8.1	10
135	Novel insights into the lipidome of glioblastoma cells based on a combined PLSR and DD-HDS computational analysis. , 2009, , .		0
136	Application and evaluation of a motion compensation technique to breast MRI. , 2009, , .		1
137	Model-free visualization of suspicious lesions in breast MRI based on supervised and unsupervised learning. <i>Engineering Applications of Artificial Intelligence</i> , 2008, 21, 129-140.	8.1	27
138	DSP with FPGAs: a Xilinx/Simulink-based course and laboratory. , 2008, , .		2
139	Computer-aided segmentation and 3D analysis of in vivo MRI examinations of the human vocal tract during phonation. , 2008, , .		0
140	Computing H/D-exchange speeds of single residues from data of peptic fragments. , 2008, , .		14
141	Computer-aided diagnosis and visualization based on clustering and independent component analysis for breast MRI. , 2008, 2008, 3000-3003.		12
142	Local and Global Stability Analysis of an Unsupervised Competitive Neural Network. <i>IEEE Transactions on Neural Networks</i> , 2008, 19, 346-351.	4.2	37
143	Intelligent computer-aided diagnosis system for breast MRI combining kinetic and morphological aspects. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
144	Gene regulatory networks simplified by nonlinear balanced truncation. , 2008, , .		5

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145	Robust stability analysis of the heat shock response in E. coli. Proceedings of SPIE, 2008, , .	0.8	0
146	Dependent component analysis applied to lesions' characterization in breast MRI. Proceedings of SPIE, 2008, , .	0.8	0
147	Classification of Small Contrast Enhancing Breast Lesions in Dynamic Magnetic Resonance Imaging Using a Combination of Morphological Criteria and Dynamic Analysis Based on Unsupervised Vector-Quantization. Investigative Radiology, 2008, 43, 56-64.	6.2	45
148	Global Asymptotic Stability Analysis of Both Matched and Unmatched Uncertain Neural Networks. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	0
149	Evolutionary computation-based kernel optimal component analysis for pattern recognition. , 2007, , .		1
150	Graphical Model-Based ICA Applied to the Analysis of fMRI and MRI Time Series. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	0
151	A performance analysis of lattice oscilation model kernels and KPCA. , 2007, , .		0
152	Smart Altera firmware for DSP with FPGAs. , 2007, , .		3
153	Neural network vector quantization improves the diagnostic quality of computer-aided diagnosis in dynamic breast MRI. , 2007, , .		1
154	Analysis of breast MRI data based on (topographic) independent and tree-dependent component analysis. , 2007, , .		2
155	Small mammographic lesions evaluation based on neural gas network. , 2007, , .		0
156	Global stability analysis of competitive neural networks under perturbations. , 2007, , .		0
157	Exploratory analysis of functional MRI data using HSOM and HTMP. , 2007, , .		0
158	Enhanced prediction of protein cellular localization sites with genetic algorithm optimal kernel projection analysis. , 2007, , .		0
159	Novel Kernels and Kernel PCA for Pattern Recognition. , 2007, , .		7
160	Unsupervised clustering of fMRI and MRI time series. Biomedical Signal Processing and Control, 2007, 2, 295-310.	5.7	16
161	Robust stability analysis of competitive neural networks with different time-scales under perturbations. Neurocomputing, 2007, 71, 417-420.	5.9	36
162	Analysis of Dynamic Susceptibility Contrast MRI Time Series Based on Unsupervised Clustering Methods. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 563-573.	3.2	15

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163	Stability Analysis of an Unsupervised Competitive Neural Network. , 2006, , .		1
164	Cluster analysis of dynamic cerebral contrast-enhanced perfusion MRI time-series. IEEE Transactions on Medical Imaging, 2006, 25, 62-73.	8.9	40
165	Segmentation and classification of dynamic breast magnetic resonance image data. Journal of Electronic Imaging, 2006, 15, 013020.	0.9	23
166	Discrete wavelet transform FPGA design using MatLab/Simulink. , 2006, , .		12
167	Detecting low-frequency functional connectivity in fMRI using unsupervised clustering algorithms. , 2006, , .		0
168	Performance evaluation based on cluster validity indices in medical imaging. , 2006, , .		1
169	Dynamical aspects of multi-time scale unsupervised neural networks. , 2006, , .		0
170	Visualization of suspicious lesions in breast MRI based on intelligent neural systems. , 2006, , .		0
171	Blind source separation based on self-organizing neural network. Engineering Applications of Artificial Intelligence, 2006, 19, 305-311.	8.1	3
172	A comparison between neural and fuzzy cluster analysis techniques for functional MRI. Biomedical Signal Processing and Control, 2006, 1, 243-252.	5.7	11
173	Stability analysis of an unsupervised neural network with feedforward and feedback dynamics. Neurocomputing, 2006, 70, 603-606.	5.9	0
174	Clustering of Dependent Components: A New Paradigm for fMRI Signal Detection. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	1
175	<title>Analysis of dynamic cerebral contrast-enhanced perfusion MRI time-series based on unsupervised clustering methods</title>. , 2005, , .		1
176	<title>Computer-aided diagnosis in breast MRI based on ICA and unsupervised clustering techniques</title>. , 2005, , .		10
177	Exploratory data analysis methods applied to fMRI. , 2005, , .		0
178	Medical image compression using topology-preserving neural networks. Engineering Applications of Artificial Intelligence, 2005, 18, 383-392.	8.1	47
179	Tree-Dependent and Topographic Independent Component Analysis for fMRI Analysis. Lecture Notes in Computer Science, 2004, , 782-789.	1.3	5
180	Fast K-dimensional tree-structured vector quantization encoding method for image compression. Optical Engineering, 2004, 43, 1012.	1.0	0

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181	MODEL-FREE FUNCTIONAL MRI ANALYSIS USING TOPOGRAPHIC INDEPENDENT COMPONENT ANALYSIS. International Journal of Neural Systems, 2004, 14, 217-228.	5.2	18
182	Comparison of Two Exploratory Data Analysis Methods for fMRI: Unsupervised Clustering Versus Independent Component Analysis. IEEE Transactions on Information Technology in Biomedicine, 2004, 8, 387-398.	3.2	50
183	Model-free functional MRI analysis based on unsupervised clustering. Journal of Biomedical Informatics, 2004, 37, 10-18.	4.3	47
184	Fully automated biomedical image segmentation by self-organized model adaptation. Neural Networks, 2004, 17, 1327-1344.	5.9	41
185	Local exponential stability of competitive neural networks with different time scales. Engineering Applications of Artificial Intelligence, 2004, 17, 227-232.	8.1	52
186	Computer-aided diagnosis in breast MRI based on unsupervised clustering techniques. , 2004, , .		4
187	Tree-dependent and topographic independent component analysis for fMRI analysis. , 2004, , .		0
188	Data partitioning and independent component analysis techniques applied to fMRI. , 2004, , .		0
189	Model-free functional MRI analysis using improved fuzzy cluster analysis techniques. , 2004, , .		0
190	Second-Order Blind Source Separation Based on Multi-dimensional Autocovariances. Lecture Notes in Computer Science, 2004, , 726-733.	1.3	9
191	Feature selection and extraction. , 2004, , 14-49.		0
192	A parallel CORDIC architecture dedicated to compute the Gaussian potential function in neural networks. Engineering Applications of Artificial Intelligence, 2003, 16, 595-605.	8.1	23
193	Global exponential stability of competitive neural networks with different time scales. IEEE Transactions on Neural Networks, 2003, 14, 716-719.	4.2	106
194	GLOBAL ASYMPTOTIC STABILITY OF A CLASS OF DYNAMICAL NEURAL NETWORKS. International Journal of Neural Systems, 2003, 13, 47-53.	5.2	4
195	Model-free functional MRI analysis using transformation-based methods. , 2003, , .		1
196	Model-free functional MRI analysis using cluster-based methods. , 2003, 5103, 17.		15
197	A high-radix CORDIC architecture dedicated to compute the Gaussian potential function in neural networks. , 2003, 5103, 189.		1
198	<title>Fast tree-structured vector quantization method for medical image compression</title>. , 2002, 4739, 150.		1

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199	Neural network-based EKG pattern recognition. Engineering Applications of Artificial Intelligence, 2002, 15, 253-260.	8.1	72
200	<title>Hebbian- and anti-Hebbian-type neural network for blind separation of nonstationary signals</title>. , 2001, , .		0
201	<title>Neural nonlinear principal component analyzer for lossy compressed digital mammography</title>. , 2000, 4055, 452.		0
202	Medical image compression by "neural-gas" network and principal component analysis. , 2000, , .		4
203	An interspike interval method for computing phase locking from neural firing. Biological Cybernetics, 2000, 82, 283-290.	1.3	1
204	Neural Net Computing for Image Processing. , 2000, , 577-606.		1
205	ASYMPTOTIC HYPERSTABILITY OF A CLASS OF NEURAL NETWORKS. International Journal of Neural Systems, 1999, 09, 95-98.	5.2	2
206	<title>Neural net computing for biomedical image processing</title>. , 1999, 3722, 414.		0
207	Neuronale Netz-Detektion von Brustkrebs basierend auf einer Multi-Skalen Analyse. Informatik Aktuell, 1999, , 287-291.	0.6	0
208	A Fast Modified CORDICâ€™Implementation of Radial Basis Neural Networks. Journal of Signal Processing Systems, 1998, 20, 211-218.	1.0	8
209	Transformation radial basis neural network for relevant feature selection. Pattern Recognition Letters, 1998, 19, 1301-1306.	4.2	9
210	Dynamic analysis of continuous self-organizing cortical maps. , 1998, 3390, 586.		0
211	Stability Analysis of a Class of Noise Perturbed Neural Networks. International Journal of Neural Systems, 1997, 08, 295-300.	5.2	1
212	Realisierung einer neuronalen Hardware mit Signalprozessor und programmierbaren Gate-Arrays. Frequenz, 1997, 51, .	0.9	0
213	<title>Dynamical analysis of variable-structure neural systems</title>. , 1997, 3077, 622.		0
214	<title>Auditory neuron models for cochlea implants</title>. , 1997, , .		4
215	Singular Perturbation Analysis of Competitive Neural Networks with Different Time Scales. Neural Computation, 1996, 8, 1731-1742.	2.2	134
216	<title>Local and global stability analysis methods of multitime scale neural networks</title>. , 1996, 2760, 242.		0

#	ARTICLE	IF	CITATIONS
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