Anke Meyer-Baese

List of Publications by Year
in descending order

Version: 2024-02-01

234	2,096	304743	315739
papers	citations	22 h-index	38 g-index

242	242	242	1811
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Singular Perturbation Analysis of Competitive Neural Networks with Different Time Scales. Neural Computation, 1996, 8, 1731-1742.	2.2	134
3	Global exponential stability of competitive neural networks with different time scales. IEEE Transactions on Neural Networks, 2003, 14, 716-719.	4.2	106
4	Independent Component Analysis-Support Vector Machine-Based Computer-Aided Diagnosis System for Alzheimerâ€™s with Visual Support. International Journal of Neural Systems, 2017, 27, 1650050.	5.2	74
5	Neural network-based EKG pattern recognition. Engineering Applications of Artificial Intelligence, 2002, 15, 253-260.	8.1	72
6	Local exponential stability of competitive neural networks with different time scales. Engineering Applications of Artificial Intelligence, 2004, 17, 227-232.	8.1	52
7	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
8	Model-free functional MRI analysis based on unsupervised clustering. Journal of Biomedical Informatics, 2004, 37, 10-18.	4.3	47
9	Medical image compression using topology-preserving neural networks. Engineering Applications of Artificial Intelligence, 2005, 18, 383-392.	8.1	47
10	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
11	Fully automated biomedical image segmentation by self-organized model adaptation. Neural Networks, 2004, 17, 1327-1344.	5.9	41
12	Computing H/D-Exchange rates of single residues from data of proteolytic fragments. BMC Bioinformatics, 2010, 11, 424.	2.6	41
13	Cluster analysis of dynamic cerebral contrast-enhanced perfusion MRI time-series. IEEE Transactions on Medical Imaging, 2006, 25, 62-73.	8.9	40
14	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
15	Local and Global Stability Analysis of an Unsupervised Competitive Neural Network. IEEE Transactions on Neural Networks, 2008, 19, 346-351.	4.2	37
16	Robust stability analysis of competitive neural networks with different time-scales under perturbations. Neurocomputing, 2007, 71, 417-420.	5.9	36
17	Local uniform stability of competitive neural networks with different time-scales under vanishing perturbations. Neurocomputing, 2010, 73, 770-775.	5.9	34
18	Model-free visualization of suspicious lesions in breast MRI based on supervised and unsupervised learning. Engineering Applications of Artificial Intelligence, 2008, 21, 129-140.	8.1	27

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19	AI â€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
20	Determining and interpreting correlations in lipidomic networks found in glioblastoma cells. BMC Systems Biology, 2010, 4, 126.	3.0	25
21	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
22	Segmentation and classification of dynamic breast magnetic resonance image data. Journal of Electronic Imaging, 2006, 15, 013020.	0.9	23
23	Stochastic stability analysis of competitive neural networks with different time-scales. Neurocomputing, 2013, 118, 115-118.	5.9	22
24	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. European Radiology, 2016, 26, 3917-3922.	4.5	22
25	Deep Learning in Medical Imaging. , 2018, , .		22
26	An open source Java web application to build self-contained web GIS sites. Environmental Modelling and Software, 2014, 62, 210-220.	4.5	20
27	Multi-stage optimization of a deep model: A case study on ground motion modeling. PLoS ONE, 2018, 13, e0203829.	2.5	20
28	Optimized Naive-Bayes and Decision Tree Approaches for fMRI Smoking Cessation Classification. Complexity, 2018, 2018, 1-24.	1.6	19
29	MODEL-FREE FUNCTIONAL MRI ANALYSIS USING TOPOGRAPHIC INDEPENDENT COMPONENT ANALYSIS. International Journal of Neural Systems, 2004, 14, 217-228.	5.2	18
30	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
31	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
32	Integrative Biological Analysis For Neuropsychopharmacology. Neuropsychopharmacology, 2014, 39, 5-23.	5.4	17
33	Radiophysiomics: Brain Tumors Classification by Machine Learning and Physiological MRI Data. Cancers, 2022, 14, 2363.	3.7	17
34	Stability analysis of a self-organizing neural network with feedforward and feedback dynamics. , 0, , .		16
35	Unsupervised clustering of fMRI and MRI time series. Biomedical Signal Processing and Control, 2007, 2, 295-310.	5.7	16
36	An evolutionary approach for fMRI big data classification. , 2017, , .		16

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37	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
38	Model-free functional MRI analysis using cluster-based methods. , 2003, 5103, 17.		15
39	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
40	Foundations of Neural Networks. , 2014, , 197-243.		15
41	Computing H/D-exchange speeds of single residues from data of peptic fragments. , 2008, , .		14
42	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
43	Spatial component analysis of MRI data for Alzheimer's disease diagnosis: a Bayesian network approach. Frontiers in Computational Neuroscience, 2014, 8, 156.	2.1	14
44	Feature Selection and Extraction. , 2014, , 21-69.		14
45	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
46	An Evolutionary Online Framework for MOOC Performance Using EEG Data. , 2018, , .		13
47	Coordinate Rotation DIgital Computer (CORDIC) synthesis for FPGA. Lecture Notes in Computer Science, 1994, , 397-408.	1.3	12
48	Discrete wavelet transform FPGA design using MatLab/Simulink. , 2006, , .		12
49	Computer-aided diagnosis and visualization based on clustering and independent component analysis for breast MRI. , 2008, 2008, 3000-3003.		12
50	Small Lesions Evaluation Based on Unsupervised Cluster Analysis of Signal-Intensity Time Courses in Dynamic Breast MRI. International Journal of Biomedical Imaging, 2009, 2009, 1-10.	3.9	12
51	An Undergraduate Course and Laboratory in Digital Signal Processing With Field Programmable Gate Arrays. IEEE Transactions on Education, 2010, 53, 638-645.	2.4	12
52	Finite-time stability and optimal control of a stochastic reaction-diffusion model for Alzheimerâ€™s disease with impulse and time-varying delay. Applied Mathematical Modelling, 2022, 102, 511-539.	4.2	12
53	A comparison between neural and fuzzy cluster analysis techniques for functional MRI. Biomedical Signal Processing and Control, 2006, 1, 243-252.	5.7	11
54	On the application of (topographic) independent and tree-dependent component analysis for the examination of DCE-MRI data. Biomedical Signal Processing and Control, 2009, 4, 247-253.	5.7	11

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55	Topographic independent component analysis for fMRI signal detection. , 0, , .		10
56	<title>Computer-aided diagnosis in breast MRI based on ICA and unsupervised clustering techniques</title>. , 2005, , .		10
57	ICA, kernel methods and nonnegativity: New paradigms for dynamical component analysis of fMRI data. Engineering Applications of Artificial Intelligence, 2009, 22, 497-504.	8.1	10
58	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
59	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
60	Stationary distribution of a stochastic Alzheimer's diseaseÂmodel. Mathematical Methods in the Applied Sciences, 2020, 43, 9706-9718.	2.3	10
61	Stationary distribution of a stochastic vegetationâ€“water system with reactionâ€“diffusion. Applied Mathematics Letters, 2022, 123, 107589.	2.7	10
62	Transformation radial basis neural network for relevant feature selection. Pattern Recognition Letters, 1998, 19, 1301-1306.	4.2	9
63	Second-Order Blind Source Separation Based on Multi-dimensional Autocovariances. Lecture Notes in Computer Science, 2004, , 726-733.	1.3	9
64	Global stability analysis and robust design of multi-time-scale biological networks under parametric uncertainties. Neural Networks, 2009, 22, 658-663.	5.9	9
65	Normalization of T2W-MRI prostate images using Rician a priori. Proceedings of SPIE, 2016, , .	0.8	9
66	A Fast Modified CORDICâ€”Implementation of Radial Basis Neural Networks. Journal of Signal Processing Systems, 1998, 20, 211-218.	1.0	8
67	ClassiMap: A New Dimension Reduction Technique for Exploratory Data Analysis of Labeled Data. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1551008.	1.2	8
68	Novel Kernels and Kernel PCA for Pattern Recognition. , 2007, , .		7
69	A big data inspired preprocessing scheme for bandwidth use optimization in smart cities applications using Raspberry Pi. , 2019, , .		7
70	Mining Interaction Patterns among Brain Regions by Clustering. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2237-2249.	5.7	6
71	Dynamical graph theory networks techniques for the analysis of sparse connectivity networks in dementia. , 2017, , .		6
72	High Performance GP-Based Approach for fMRI Big Data Classification. , 2017, , .		6

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73	Facial Emotion Recognition Using Asymmetric Pyramidal Networks With Gradient Centralization. IEEE Access, 2021, 9, 64487-64498.	4.2	6
74	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
75	Big data analytics in medical imaging using deep learning. , 2019, , .		6
76	Quadratic-type Lyapunov functions for competitive neural networks with different time-scales. , 0, , .		5
77	Tree-Dependent and Topographic Independent Component Analysis for fMRI Analysis. Lecture Notes in Computer Science, 2004, , 782-789.	1.3	5
78	Gene regulatory networks simplified by nonlinear balanced truncation. , 2008, , .		5
79	Statistical and Syntactic Pattern Recognition. , 2014, , 151-196.		5
80	A Pareto Front Based Evolutionary Model for Airfoil Self-Noise Prediction. , 2018, , .		5
81	Pinning observability of competitive neural networks with different timeâ€“constants. Neurocomputing, 2019, 329, 97-102.	5.9	5
82	Imprecise parameters for nearâ€optimal control of stochastic SIV epidemic model. Mathematical Methods in the Applied Sciences, 2020, 43, 2301-2321.	2.3	5
83	Dynamic analysis of a soil organic matter and plant system with reaction-diffusion. Chaos, Solitons and Fractals, 2021, 146, 110883.	5.1	5
84	Determining disease evolution driver nodes in dementia networks. , 2018, , .		5
85	Stability in distribution for a stochastic Alzheimerâ€™s disease model with reaction diffusion. Nonlinear Dynamics, 2022, 108, 4243-4260.	5.2	5
86	Relevant features selection with radial basis neural networks. , 0, , .		4
87	<title>Auditory neuron models for cochlea implants</title>. , 1997, , .		4
88	Multiscale segmentation through a radial basis neural network. , 0, , .		4
89	Medical image compression by "neural-gas" network and principal component analysis. , 2000, , .		4
90	GLOBAL ASYMPTOTIC STABILITY OF A CLASS OF DYNAMICAL NEURAL NETWORKS. International Journal of Neural Systems, 2003, 13, 47-53.	5.2	4

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91	Computer-aided diagnosis in breast MRI based on unsupervised clustering techniques. , 2004, , .		4
92	Elementary Morphology for SO(2)- and SO(3)-Orientation Fields. Lecture Notes in Computer Science, 2015, , 458-469.	1.3	4
93	Intraoperative Magnetic Resonance Imaging of Cerebral Oxygen Metabolism During Resection of Brain Lesions. World Neurosurgery, 2017, 100, 388-394.	1.3	4
94	The driving regulators of the connectivity protein network of brain malignancies. , 2017, , .		4
95	Information fusion based techniques for HEVC. , 2017, , .		4
96	Technical Note: A comparison of point set registration methods for electromagnetic tracking. Medical Physics, 2019, 46, 2025-2030.	3.0	4
97	An Interpretable Deep Learning Framework for Health Monitoring Systems: A Case Study of Eye State Detection using EEG Signals. , 2020, , .		4
98	Machine learning for accurate differentiation of benign and malignant breast tumors presenting as non-mass enhancement. , 2018, , .		4
99	Stability analysis techniques for competitive neural networks with different time-scales. , 0, , .		3
100	Flow invariance for competitive multi-modal neural networks. , 0, , .		3
101	Blind source separation based on self-organizing neural network. Engineering Applications of Artificial Intelligence, 2006, 19, 305-311.	8.1	3
102	Smart Altera firmware for DSP with FPGAs. , 2007, , .		3
103	OWGIS 2.0. , 2014, , .		3
104	GPU Implementation of Bayesian Neural Network Construction for Data-Intensive Applications. Journal of Physics: Conference Series, 2014, 513, 022027.	0.4	3
105	Multiobjective genetic programming for reinforced concrete beam modeling. Applied AI Letters, 2020, 1, e9.	2.2	3
106	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
107	Determining driver nodes in dynamic signed biological networks. , 2019, , .		3
108	On the existence and stability of solutions in self-organizing cortical maps. , 0, , .		2

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109	ASYMPTOTIC HYPERSTABILITY OF A CLASS OF NEURAL NETWORKS. International Journal of Neural Systems, 1999, 09, 95-98.	5.2	2
110	Analysis of breast MRI data based on (topographic) independent and tree-dependent component analysis. , 2007, , .		2
111	DSP with FPGAs: a Xilinx/Simulink-based course and laboratory. , 2008, , .		2
112	NIOS II processor-based acceleration of motion compensation techniques. Proceedings of SPIE, 2011, , .	0.8	2
113	Computer-Aided Diagnosis for Diagnostically Challenging Breast Lesions in DCE-MRI. , 2014, , 391-420.		2
114	Subband Coding and Wavelet Transform. , 2014, , 71-111.		2
115	The Wavelet Transform in Medical Imaging. , 2014, , 113-134.		2
116	Advanced Computer Vision Approaches in Biomedical Image Analysis. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-2.	1.3	2
117	Code obfuscation using very long identifiers for FFT motion estimation models in embedded processors. Journal of Real-Time Image Processing, 2016, 11, 817-827.	3.5	2
118	HEVC optimizations for medical environments. , 2016, , .		2
119	Multi-level analysis of spatio-temporal features in non-mass enhancing breast tumors. , 2018, , .		2
120	Motion Segmentation by Velocity Clustering with Estimation of Subspace Dimension. Lecture Notes in Computer Science, 2013, , 491-505.	1.3	2
121	Structural Target Controllability of Brain Networks in Dementia. , 2021, 2021, 3978-3981.		2
122	Analysis of a stochastic reactionâ€“diffusion Alzheimerâ€™s disease system driven by spaceâ€“time white noise. Applied Mathematics Letters, 2022, 134, 108308.	2.7	2
123	Perturbation analysis of a class of neural networks. , 0, , .		1
124	Stability Analysis of a Class of Noise Perturbed Neural Networks. International Journal of Neural Systems, 1997, 08, 295-300.	5.2	1
125	An interspike interval method for computing phase locking from neural firing. Biological Cybernetics, 2000, 82, 283-290.	1.3	1
126	Hebbian and anti-Hebbian learning for independent component analysis. , 0, , .		1

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127	<title>Fast tree-structured vector quantization method for medical image compression</title>. , 2002, 4739, 150.		1
128	Model-free functional MRI analysis using transformation-based methods. , 2003, , .		1
129	A high-radix CORDIC architecture dedicated to compute the Gaussian potential function in neural networks. , 2003, 5103, 189.		1
130	Clustering of dependent components: a new paradigm for fMRI signal detection. , 0, , .		1
131	Clustering of Dependent Components: A New Paradigm for fMRI Signal Detection. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	1
132	<title>Analysis of dynamic cerebral contrast-enhanced perfusion MRI time-series based on unsupervised clustering methods</title>. , 2005, , .		1
133	Exploratory data analysis of dynamic cerebral contrast-enhanced perfusion MRI time-series. , 0, , .		1
134	Stability Analysis of an Unsupervised Competitive Neural Network. , 2006, , .		1
135	Performance evaluation based on cluster validity indices in medical imaging. , 2006, , .		1
136	Evolutionary computation-based kernel optimal component analysis for pattern recognition. , 2007, , .		1
137	Neural network vector quantization improves the diagnostic quality of computer-aided diagnosis in dynamic breast MRI. , 2007, , .		1
138	Evaluation and visual exploratory analysis of DCE-MRI Data of breast lesions based on morphological features and novel dimension reduction methods. , 2009, , .		1
139	Global uniform stability analysis of biological networks with different time-scales under perturbations. , 2009, , .		1
140	Application and evaluation of a motion compensation technique to breast MRI. , 2009, , .		1
141	Information-Theoretic Model Selection for Independent Components. Lecture Notes in Computer Science, 2010, , 254-262.	1.3	1
142	Improved computer-aided diagnosis for breast lesions detection in DCE-MRI based on image registration and integration of morphologic and dynamic characteristics. , 2011, , .		1
143	Graph clustering techniques applied to the glycomic response in glioblastoma cells to treatments with STAT3 phosphorylation inhibition and fetal bovine serum. Proceedings of SPIE, 2011, , .	0.8	1
144	Gaussian graphical modeling reveals specific lipid correlations in glioblastoma cells. Proceedings of SPIE, 2011, , .	0.8	1

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145	Computer-aided diagnosis of small lesions and non-masses in breast MRI. , 2012, , .		1
146	Multiplatform GPGPU implementation of the active contours without edges algorithm. , 2012, , .		1
147	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
148	CAD-system based on kinetic analysis for non-mass-enhancing lesions in DCE-MRI. , 2013, , .		1
149	Optimization of block-matching algorithms using custom instruction-based paradigm on NIOS II microprocessors. , 2013, , .		1
150	Stability Analysis Including Monostability and Multistability in Dynamical System and Applications. Abstract and Applied Analysis, 2014, 2014, 1-2.	0.7	1
151	Data analysis techniques in phosphoproteomics. Electrophoresis, 2014, 35, 3452-3462.	2.4	1
152	Transformation and Signal-Separation Neural Networks. , 2014, , 245-289.		1
153	Neuro-Fuzzy Classification. , 2014, , 291-323.		1
154	Analysis of Dynamic Susceptibility Contrast MRI Time-Series Based on Unsupervised Clustering Methods. , 2014, , 369-389.		1
155	Split Bregman's optimization method for image construction in compressive sensing. Proceedings of SPIE, 2014, , .	0.8	1
156	Independent component analysis algorithm FPGA design to perform real-time blind source separation. Proceedings of SPIE, 2015, , .	0.8	1
157	Breast lesion segmentation software for DCE-MRI: An open source GPGPU based optimization. , 2018, , .		1
158	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
159	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
160	Neural Net Computing for Image Processing. , 2000, , 577-606.		1
161	Segmentation and Kinetic Analysis of Breast Lesions in DCE-MR Imaging Using ICA. Lecture Notes in Computer Science, 2014, , 45-59.	1.3	1
162	Wearable biosignal acquisition system for decision aid. , 2018, , .		1

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163	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
164	Asymptotic hyperstability for the Hopfield model of neural networks. , 0, , .		0
165	<title>Realization of a neuronal hardware with digital signal processor and programmable gate arrays</title>. , 1995, , .		0
166	<title>Local and global stability analysis methods of multitime scale neural networks</title>. , 1996, 2760, 242.		0
167	Realisierung einer neuronalen Hardware mit Signalprozessor und programmierbaren Gate-Arrays. Frequenz, 1997, 51, .	0.9	0
168	<title>Dynamical analysis of variable-structure neural systems</title>. , 1997, 3077, 622.		0
169	Global stability analysis of a nonlinear principal component analysis neural network. , 0, , .		0
170	Dynamic analysis of continuous self-organizing cortical maps. , 1998, 3390, 586.		0
171	<title>Neural net computing for biomedical image processing</title>. , 1999, 3722, 414.		0
172	<title>Neural nonlinear principal component analyzer for lossy compressed digital mammography</title>. , 2000, 4055, 452.		0
173	<title>Hebbian- and anti-Hebbian-type neural network for blind separation of nonstationary signals</title>. , 2001, , .		0
174	Flow invariance for competitive neural networks with different time-scales. , 0, , .		0
175	Fast <bold>K</bold>-dimensional tree-structured vector quantization encoding method for image compression. Optical Engineering, 2004, 43, 1012.	1.0	0
176	Tree-dependent and topographic independent component analysis for fMRI analysis. , 2004, , .		0
177	Data partitioning and independent component analysis techniques applied to fMRI. , 2004, , .		0
178	Model-free functional MRI analysis using improved fuzzy cluster analysis techniques. , 2004, , .		0
179	Exploratory data analysis methods applied to fMRI. , 2005, , .		0
180	Detecting low-frequency functional connectivity in fMRI using unsupervised clustering algorithms. , 2006, , .		0

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181	Dynamical aspects of multi-time scale unsupervised neural networks. , 2006, , .		0
182	Visualization of suspicious lesions in breast MRI based on intelligent neural systems. , 2006, , .		0
183	Stability analysis of an unsupervised neural network with feedforward and feedback dynamics. Neurocomputing, 2006, 70, 603-606.	5.9	0
184	A Flexible Machine Learning Image Analysis System for High-Precision Computer-Assisted Segmentation of Multispectral MRI Data Sets in Patients with Multiple Sclerosis. , 0, , .		0
185	Global Asymptotic Stability Analysis of Both Matched and Unmatched Uncertain Neural Networks. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	0
186	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
187	A performance analysis of lattice oscilation model kernels and KPCA. , 2007, , .		0
188	Small mammographic lesions evaluation based on neural gas network. , 2007, , .		0
189	Global stability analysis of competitive neural networks under perturbations. , 2007, , .		0
190	Exploratory analysis of functional MRI data using HSOM and HTMP. , 2007, , .		0
191	Enhanced prediction of protein cellular localization sites with genetic algorithm optimal kernel projection analysis. , 2007, , .		0
192	Computer-aided segmentation and 3D analysis of in vivo MRI examinations of the human vocal tract during phonation. , 2008, , .		0
193	Intelligent computer-aided diagnosis system for breast MRI combining kinetic and morphological aspects. Proceedings of SPIE, 2008, , .	0.8	0
194	Robust stability analysis of the heat shock response in E. coli. Proceedings of SPIE, 2008, , .	0.8	0
195	Dependent component analysis applied to lesions' characterization in breast MRI. Proceedings of SPIE, 2008, , .	0.8	0
196	Visual exploratory analysis of DCE-MRI data in breast cancer based on novel nonlinear dimensional data reduction techniques. Proceedings of SPIE, 2009, , .	0.8	0
197	Novel insights into the lipidome of glioblastoma cells based on a combined PLSR and DD-HDS computational analysis. , 2009, , .		0
198	Novel systems biology and computational methods for lipidomics. , 2010, , .		0

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199	Application and evaluation of novel optical-flow-based motion correction algorithms to breast MRI. , 2010, , .		0
200	Computational techniques to the topology and dynamics of lipidomic networks found in glioblastoma cells. , 2010, , .		0
201	Robust stability analysis of Linsker-Type Hebbian learning multi-time scale neural networks under parametric uncertainties. , 2010, , .		0
202	Computer-aided diagnosis and lipidomics analysis to detect and treat breast cancer. , 2010, , .		0
203	Optical flow optimization using parallel genetic algorithm. Proceedings of SPIE, 2011, , .	0.8	0
204	Spatio-temporal feature extraction for differentiation of non-mass-enhancing lesions in breast MRI. , 2012, , .		0
205	Quantitative analysis of breast DCE-MR images based on ICA and an empirical model. Proceedings of SPIE, 2012, , .	0.8	0
206	Automated analysis of single and joint kinetic and morphologic features for non-masses. , 2012, , .		0
207	Selection of Spatiotemporal Features in Breast MRI to Differentiate between Malignant and Benign Small Lesions Using Computer-Aided Diagnosis. Advances in Artificial Neural Systems, 2012, 2012, 1-8.	1.0	0
208	Advances in Unsupervised Learning Techniques Applied to Biosciences and Medicine. Advances in Artificial Neural Systems, 2012, 2012, 1-2.	1.0	0
209	Measuring Non-Gaussianity by Phi-Transformed and Fuzzy Histograms. Advances in Artificial Neural Systems, 2012, 2012, 1-13.	1.0	0
210	Visual analysis and dynamical control of phosphoproteomic networks. Proceedings of SPIE, 2013, , .	0.8	0
211	Automated analysis of spatio-temporal features for non-masses. Proceedings of SPIE, 2013, , .	0.8	0
212	Specialized Neural Networks Relevant to Bioimaging. , 2014, , 325-351.		0
213	Spatio-Temporal Models in Functional and Perfusion Imaging. , 2014, , 353-367.		0
214	Characterization of different datasets for ICA algorithms. , 2014, , .		0
215	Visual exploratory analysis of integrated chromosome 19 proteomic data derived from glioma cancer stem-cell lines based on novel nonlinear dimensional data reduction techniques. Proceedings of SPIE, 2015, , .	0.8	0
216	Customized Nios II multi-cycle instructions to accelerate block-matching techniques. Proceedings of SPIE, 2015, , .	0.8	0

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217	Dynamical complex network theory applied to the therapeutics of brain malignancies. Proceedings of SPIE, 2015, , .	0.8	0
218	Computer-aided diagnosis of breast MRI with high accuracy optical flow estimation. Proceedings of SPIE, 2015, , .	0.8	0
219	Functional connectivity analysis of resting-state fMRI networks in nicotine dependent patients. , 2016, , .		0
220	Proteomic data analysis of glioma cancer stem-cell lines based on novel nonlinear dimensional data reduction techniques. Proceedings of SPIE, 2016, , .	0.8	0
221	Computer-aided diagnosis of diagnostically challenging lesions in breast MRI: a comparison between a radiomics and a feature-selective approach. , 2016, , .		0
222	Pre-processing techniques to improve HEVC subjective quality. Proceedings of SPIE, 2017, , .	0.8	0
223	Reconfigurable wearable to monitor physiological variables and movement. , 2017, , .		0
224	An Evolutionary Framework for Real-Time Fraudulent Credit Detection. , 2021, , .		0
225	Feature selection and extraction. , 2004, , 14-49.		0
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