Serkan Kiranyaz

List of Publications by Year
in descending order

186 papers	10,136 citations	109264 35 h-index	39638 94 g-index
190 all docs	190 docs citations	190 times ranked	7727 citing authors

#	Article	IF	Citations
1	Convolutional Sparse Support Estimator Network (CSEN): From Energy-Efficient Support Estimation to Learning-Aided Compressive Sensing. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 290-304.	7.2	5
2	Robust Peak Detection for Holter ECGs by Self-Organized Operational Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9363-9374.	7.2	20
3	Global ECG Classification by Self-Operational Neural Networks With Feature Injection. IEEE Transactions on Biomedical Engineering, 2023, 70, 205-215.	2.5	12
4	Robust R-Peak Detection in Low-Quality Holter ECGs Using 1D Convolutional Neural Network. IEEE Transactions on Biomedical Engineering, 2022, 69, 119-128.	2.5	39
5	One-Dimensional Convolutional Neural Networks for Real-Time Damage Detection of Rotating Machinery. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 73-83.	0.3	5
6	Structural Damage Detection in Civil Engineering with Machine Learning: Current State of the Art. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 223-229.	0.3	6
7	An Overview of Deep Learning Methods Used in Vibration-Based Damage Detection in Civil Engineering. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 93-98.	0.3	6
8	A New Benchmark Problem for Structural Damage Detection: Bolt Loosening Tests on a Large-Scale Laboratory Structure. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 15-22.	0.3	2
9	3D Quantum Cuts for automatic segmentation of porous media in tomography images. Computers and Geosciences, 2022, 159, 105017.	2.0	4
10	Real-Time Patient-Specific ECG Classification by 1D Self-Operational Neural Networks. IEEE Transactions on Biomedical Engineering, 2022, 69, 1788-1801.	2.5	31
11	EDITH : ECG Biometrics Aided by Deep Learning for Reliable Individual Authentication. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 928-940.	3.4	16
12	Deep Learning for Reliable Classification of COVID-19, MERS, and SARS from Chest X-ray Images. Cognitive Computation, 2022, 14, 1752-1772.	3.6	29
13	A Social Distance Estimation and Crowd Monitoring System for Surveillance Cameras. Sensors, 2022, 22, 418.	2.1	17
14	Robust biometric system using session invariant multimodal EEG and keystroke dynamics by the ensemble of self-ONNs. Computers in Biology and Medicine, 2022, 142, 105238.	3.9	12
15	Medical image analysis. , 2022, , 541-577.		0
16	Biosignal time-series analysis. , 2022, , 491-539.		2
17	Motion Artifacts Correction From EEG and fNIRS Signals Using Novel Multiresolution Analysis. IEEE Access, 2022, 10, 29760-29777.	2.6	10
18	Motion Artifacts Correction from Single-Channel EEG and fNIRS Signals Using Novel Wavelet Packet Decomposition in Combination with Canonical Correlation Analysis. Sensors, 2022, 22, 3169.	2.1	10

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19	Performance Analysis of Conventional Machine Learning Algorithms for Diabetic Sensorimotor Polyneuropathy Severity Classification Using Nerve Conduction Studies. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.1	6
20	Machine Learning-Based Diabetic Neuropathy and Previous Foot Ulceration Patients Detection Using Electromyography and Ground Reaction Forces during Gait. Sensors, 2022, 22, 3507.	2.1	11
21	A Novel Machine Learning Approach for Severity Classification of Diabetic Foot Complications Using Thermogram Images. Sensors, 2022, 22, 4249.	2.1	18
22	Fully automated 2D and 3D convolutional neural networks pipeline for video segmentation and myocardial infarction detection in echocardiography. Multimedia Tools and Applications, 2022, 81, 37417-37439.	2.6	5
23	2D Self-organized ONN model for Handwritten Text Recognition. Applied Soft Computing Journal, 2022, 127, 109311.	4.1	1
24	A review of vibration-based damage detection in civil structures: From traditional methods to Machine Learning and Deep Learning applications. Mechanical Systems and Signal Processing, 2021, 147, 107077.	4.4	569
25	1D convolutional neural networks and applications: A survey. Mechanical Systems and Signal Processing, 2021, 151, 107398.	4.4	1,005
26	Early Detection of Myocardial Infarction in Low-Quality Echocardiography. IEEE Access, 2021, 9, 34442-34453.	2.6	32
27	Exploiting heterogeneity in operational neural networks by synaptic plasticity. Neural Computing and Applications, 2021, 33, 7997-8015.	3.2	11
28	Self-organized operational neural networks for severe image restoration problems. Neural Networks, 2021, 135, 201-211.	3.3	45
29	COVID-19 infection map generation and detection from chest X-ray images. Health Information Science and Systems, 2021, 9, 15.	3.4	61
30	Convolutional Sparse Support Estimator-Based COVID-19 Recognition From X-Ray Images. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1810-1820.	7.2	72
31	Exploring the effect of image enhancement techniques on COVID-19 detection using chest X-ray images. Computers in Biology and Medicine, 2021, 132, 104319.	3.9	521
32	Detection and Severity Classification of COVID-19 in CT Images Using Deep Learning. Diagnostics, 2021, 11, 893.	1.3	78
33	Speech Command Recognition in Computationally Constrained Environments with a Quadratic Self-Organized Operational Layer. , 2021, , .		4
34	Self-organized Operational Neural Networks with Generative Neurons. Neural Networks, 2021, 140, 294-308.	3.3	38
35	Bm3d Vs 2-Layer Onn. , 2021, , .		4
36	Self-Organized Residual Blocks For Image Super-Resolution. , 2021, , .		6

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37	Self-Organized Variational Autoencoders (Self-Vae) For Learned Image Compression. , 2021, , .		10
38	A machine learning model for early detection of diabetic foot using thermogram images. Computers in Biology and Medicine, 2021, 137, 104838.	3.9	56
39	Multimodal EEG and Keystroke Dynamics Based Biometric System Using Machine Learning Algorithms. IEEE Access, 2021, 9, 94625-94643.	2.6	35
40	Advance Warning Methodologies for COVID-19 Using Chest X-Ray Images. IEEE Access, 2021, 9, 41052-41065.	2.6	27
41	Classification of polarimetric SAR images using compact convolutional neural networks. GIScience and Remote Sensing, 2021, 58, 28-47.	2.4	17
42	Early Bearing Fault Diagnosis of Rotating Machinery by 1D Self-Organized Operational Neural Networks. IEEE Access, 2021, 9, 139260-139270.	2.6	12
43	Real-Time Glaucoma Detection From Digital Fundus Images Using Self-ONNs. IEEE Access, 2021, 9, 140031-140041.	2.6	30
44	COVID-19 infection localization and severity grading from chest X-ray images. Computers in Biology and Medicine, 2021, 139, 105002.	3.9	85
45	Structural Health Monitoring with Self-Organizing Maps and Artificial Neural Networks. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 237-246.	0.3	6
46	Convolutional Neural Networks for Real-Time and Wireless Damage Detection. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 129-136.	0.3	21
47	Heterogeneous Multilayer Generalized Operational Perceptron. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 710-724.	7.2	43
48	Patient-Specific Seizure Detection Using Nonlinear Dynamics and Nullclines. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 543-555.	3.9	42
49	Control of Plate Vibrations with Artificial Neural Networks and Piezoelectricity. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 293-301.	0.3	1
50	Progressive Operational Perceptrons with Memory. Neurocomputing, 2020, 379, 172-181.	3.5	17
51	Real-time throughput prediction for cognitive Wi-Fi networks. Journal of Network and Computer Applications, 2020, 150, 102499.	5.8	10
52	Multifrequency Polsar Image Classification Using Dual-Band 1D Convolutional Neural Networks. , 2020, , .		3
53	An Intelligent and Low-Cost Eye-Tracking System for Motorized Wheelchair Control. Sensors, 2020, 20, 3936.	2.1	35
54	1D Convolutional Neural Networks Versus Automatic Classifiers for Known LPI Radar Signals Under White Gaussian Noise. IEEE Access, 2020, 8, 180534-180543.	2.6	8

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55	Left Ventricular Wall Motion Estimation by Active Polynomials for Acute Myocardial Infarction Detection. IEEE Access, 2020, 8, 210301-210317.	2.6	12
56	Real-time phonocardiogram anomaly detection by adaptive 1D Convolutional Neural Networks. Neurocomputing, 2020, 411, 291-301.	3.5	33
57	Human experts vs. machines in taxa recognition. Signal Processing: Image Communication, 2020, 87, 115917.	1.8	17
58	Operational neural networks. Neural Computing and Applications, 2020, 32, 6645-6668.	3.2	52
59	Generalized Operational Classifiers for Material Identification. , 2020, , .		2
60	A Generic Intelligent Bearing Fault Diagnosis System Using Compact Adaptive 1D CNN Classifier. Journal of Signal Processing Systems, 2019, 91, 179-189.	1.4	391
61	Dual and Single Polarized SAR Image Classification Using Compact Convolutional Neural Networks. Remote Sensing, 2019, 11, 1340.	1.8	21
62	A Novel UAV-Aided Network Architecture Using Wi-Fi Direct. IEEE Access, 2019, 7, 67305-67318.	2.6	16
63	PyGOP: A Python library for Generalized Operational Perceptron algorithms. Knowledge-Based Systems, 2019, 182, 104801.	4.0	10
64	1-D Convolutional Neural Networks for Signal Processing Applications. , 2019, , .		167
65	Matlab/Simulink Modeling and Simulation of Electric Appliances Based on their Actual Current Waveforms. , 2019, , .		0
66	Performance Comparison of Learned vs. Engineered Features for Polarimetric SAR Terrain Classification. , 2019, , .		3
67	Knowledge Transfer for Face Verification Using Heterogeneous Generalized Operational Perceptrons. , 2019, , .		14
68	Fault Detection and Severity Identification of Ball Bearings by Online Condition Monitoring. IEEE Transactions on Industrial Electronics, 2019, 66, 8136-8147.	5.2	87
69	Real-Time Fault Detection and Identification for MMC Using 1-D Convolutional Neural Networks. IEEE Transactions on Industrial Electronics, 2019, 66, 8760-8771.	5.2	193
70	Wireless and real-time structural damage detection: A novel decentralized method for wireless sensor networks. Journal of Sound and Vibration, 2018, 424, 158-172.	2.1	146
71	Feature synthesis for image classification and retrieval via one-against-all perceptrons. Neural Computing and Applications, 2018, 29, 943-957.	3.2	3
72	Spatiotemporal Saliency Estimation by Spectral Foreground Detection. IEEE Transactions on Multimedia, 2018, 20, 82-95.	5.2	21

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73	Optimization on Ports Activation Towards Energy Efficient Data Center Networks. Lecture Notes in Computer Science, 2018, , 155-166.	1.0	1
74	Acceleration Approaches for Big Data Analysis. , 2018, , .		0
75	Benchmark database for fine-grained image classification of benthic macroinvertebrates. Image and Vision Computing, 2018, 78, 73-83.	2.7	25
76	Emergent Properties of Microbial Activity in Heterogeneous Soil Microenvironments: Different Research Approaches Are Slowly Converging, Yet Major Challenges Remain. Frontiers in Microbiology, 2018, 9, 1929.	1.5	168
77	Data Clustering Based on Community Structure in Mutual k-Nearest Neighbor Graph. , 2018, , .		2
78	Learned vs. Hand-Designed Features for ECG Beat Classification: A Comprehensive Study. IFMBE Proceedings, 2018, , 551-554.	0.2	1
79	Extended quantum cuts for unsupervised salient object extraction. Multimedia Tools and Applications, 2017, 76, 10443-10463.	2.6	5
80	Particle swarm clustering fitness evaluation with computational centroids. Swarm and Evolutionary Computation, 2017, 34, 103-118.	4.5	13
81	Vibration Suppression in Metastructures Using Zigzag Inserts Optimized by Genetic Algorithms. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 275-283.	0.3	2
82	A k-nearest neighbor multilabel ranking algorithm with application to content-based image retrieval. , 2017, , .		4
83	Structural Damage Detection in Real Time: Implementation of 1D Convolutional Neural Networks for SHM Applications. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 49-54.	0.3	49
84	The effect of automated taxa identification errors on biological indices. Expert Systems With Applications, 2017, 72, 108-120.	4.4	5
85	Personalized Monitoring and Advance Warning System for Cardiac Arrhythmias. Scientific Reports, 2017, 7, 9270.	1.6	82
86	Outlier edge detection using random graph generation models and applications. Journal of Big Data, 2017, 4, .	6.9	9
87	Progressive Operational Perceptrons. Neurocomputing, 2017, 224, 142-154.	3.5	34
88	Real-time vibration-based structural damage detection using one-dimensional convolutional neural networks. Journal of Sound and Vibration, 2017, 388, 154-170.	2.1	827
89	Learning graph affinities for spectral graph-based salient object detection. Pattern Recognition, 2017, 64, 159-167.	5.1	16
90	Optimization of linear zigzag insert metastructures for low-frequency vibration attenuation using genetic algorithms. Mechanical Systems and Signal Processing, 2017, 84, 625-641.	4.4	25

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91	Comparison of polarimetrie SAR features for terrain classification using incremental training. , 2017, , .		4
92	Generalized model of biological neural networks: Progressive operational perceptrons. , 2017, , .		14
93	Real-Time Motor Fault Detection by 1-D Convolutional Neural Networks. IEEE Transactions on Industrial Electronics, 2016, 63, 7067-7075.	5.2	971
94	Learned vs. engineered features for fine-grained classification of aquatic macroinvertebrates. , 2016, , .		5
95	Salient object segmentation based on linearly combined affinity graphs. , 2016, , .		0
96	Limited random walk algorithm for big graph data clustering. Journal of Big Data, 2016, 3, .	6.9	17
97	A vector quantization based k-NN approach for large-scale image classification. , 2016, , .		1
98	Data Enrichment in Fine-Grained Classification of Aquatic Macroinvertebrates. , 2016, , .		11
99	Competitive Quantization for Approximate Nearest Neighbor Search. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2884-2894.	4.0	20
100	Face segmentation in thumbnail images by data-adaptive convolutional segmentation networks. , 2016, , .		13
101	An Optimized k-NN Approach for Classification on Imbalanced Datasets with Missing Data. Lecture Notes in Computer Science, 2016, , 387-392.	1.0	4
102	Joint K-Means quantization for Approximate Nearest Neighbor Search. , 2016, , .		1
103	Self-organizing binary encoding for Approximate Nearest Neighbor search. , 2016, , .		0
104	Analysis of High-Dimensional Phase Space via Poincaré Section for Patient-Specific Seizure Detection. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 386-398.	2.7	108
105	K-Subspaces Quantization for Approximate Nearest Neighbor Search. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1722-1733.	4.0	13
106	Learning to rank salient segments extracted by multispectral Quantum Cuts. Pattern Recognition Letters, 2016, 72, 91-99.	2.6	5
107	Training Radial Basis Function Neural Networks for Classification via Class-Specific Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2458-2471.	7.2	36
108	Real-Time Patient-Specific ECG Classification by 1-D Convolutional Neural Networks. IEEE Transactions on Biomedical Engineering, 2016, 63, 664-675.	2.5	1,266

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109	M-PCA Binary Embedding for Approximate Nearest Neighbor Search. , 2015, , .		3
110	Visual saliency by extended quantum cuts. , 2015, , .		20
111	Convolutional Neural Networks for patient-specific ECG classification. , 2015, 2015, 2608-11.		139
112	Sleep stage classification using sparse rational decomposition of single channel EEG records. , 2015, , .		7
113	ShakeMe: Key Generation from Shared Motion. , 2015, , .		6
114	Long-term epileptic EEG classification via 2D mapping and textural features. Expert Systems With Applications, 2015, 42, 7175-7185.	4.4	57
115	An HMM-based spectrum access algorithm for cognitive radio systems. , 2015, , .		5
116	Semi-Supervised Learning for Ill-Posed Polarimetric SAR Classification. Remote Sensing, 2014, 6, 4801-4830.	1.8	17
117	Evolutionary feature synthesis by multi-dimensional particle swarm optimization. , 2014, , .		1
118	Incremental Learning with Support Vector Data Description. , 2014, , .		7
119	Particle Swarm Optimization. Adaptation, Learning, and Optimization, 2014, , 45-82.	0.5	24
120	Automatic Object Segmentation by Quantum Cuts. , 2014, , .		39
121	Integrating Color Features in Polarimetric SAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2197-2216.	2.7	142
122	Multidimensional Particle Swarm Optimization for Machine Learning and Pattern Recognition. Adaptation, Learning, and Optimization, 2014, , .	0.5	61
123	Evaluating the performance of artificial neural networks for the classification of freshwater benthic macroinvertebrates. Ecological Informatics, 2014, 20, 1-12.	2.3	27
124	Classification of dual- and single polarized SAR images by incorporating visual features. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 90, 10-22.	4.9	24
125	Optimization Techniques: An Overview. Adaptation, Learning, and Optimization, 2014, , 13-44.	0.5	4
126	A perceptual scheme for fully automatic video shot boundary detection. Signal Processing: Image Communication, 2014, 29, 410-423.	1.8	23

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127	Automated patient-specific classification of long-term Electroencephalography. Journal of Biomedical Informatics, 2014, 49, 16-31.	2.5	66
128	Multi-dimensional Particle Swarm Optimization. Adaptation, Learning, and Optimization, 2014, , 83-99.	0.5	4
129	Image Classification and Retrieval by Collective Network of Binary Classifiers. Adaptation, Learning, and Optimization, 2014, , 259-294.	0.5	0
130	Personalized ECG Classification. Adaptation, Learning, and Optimization, 2014, , 231-258.	0.5	0
131	Evolutionary Artificial Neural Networks. Adaptation, Learning, and Optimization, 2014, , 187-230.	0.5	0
132	Dynamic Data Clustering. Adaptation, Learning, and Optimization, 2014, , 151-186.	0.5	0
133	Evolutionary feature synthesis for content-based audio retrieval. , 2013, , .		1
134	Automatic object extraction based on quantum mechanics. , 2013, , .		0
135	Quantum mechanics in computer vision: Automatic object extraction. , 2013, , .		37
136	Evaluation of classifiers for polarimetric SAR classification. , 2013, , .		11
137	Polarimetric SAR classification using visual color features extracted over pseudo color images. , 2013, , .		4
138	Collective Network of Binary Classifier Framework for Polarimetric SAR Image Classification: An Evolutionary Approach. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 1169-1186.	5.5	18
139	Robust scene classification by Gist with angular radial partitioning. , 2012, , .		5
140	Dynamic and scalable audio classification by collective network of binary classifiers framework: An evolutionary approach. Neural Networks, 2012, 34, 80-95.	3.3	4
141	An evolutionary feature synthesis approach for content-based audio retrieval. Eurasip Journal on Audio, Speech, and Music Processing, 2012, 2012, .	1.3	9
142	Evolutionary RBF classifier for polarimetric SAR images. Expert Systems With Applications, 2012, 39, 4710-4717.	4.4	24
143	Scalable Content-Based Classification and Retrieval Framework for Dynamic Commercial Image Databases. Communications in Computer and Information Science, 2012, , 382-398.	0.4	0
144	Content-based audio classification using collective network of binary classifiers. , 2011, , .		1

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145	Polarimetric SAR images classification using collective network of binary classifiers. , 2011, , .		3
146	Incremental evolution of collective network of binary classifier for polarimetric SAR image classification. , 2011, , .		0
147	Personalized long-term ECG classification: A systematic approach. Expert Systems With Applications, 2011, 38, 3220-3226.	4.4	44
148	Classification and retrieval on macroinvertebrate image databases. Computers in Biology and Medicine, 2011, 41, 463-472.	3.9	35
149	Stochastic approximation driven particle swarm optimization with simultaneous perturbation – Who will guide the guide?. Applied Soft Computing Journal, 2011, 11, 2334-2347.	4.1	6
150	Multi-dimensional particle swarm optimization in dynamic environments. Expert Systems With Applications, 2011, 38, 2212-2223.	4.4	46
151	Collective network of evolutionary binary classifiers for content-based image retrieval. , 2011, , .		2
152	Incremental evolution of collective network of binary classifier for content-based image classification and retrieval. , 2011, , .		0
153	Multi-dimensional evolutionary feature synthesis for content-based image retrieval. , 2011, , .		4
154	Perceptual Dominant Color Extraction by Multidimensional Particle Swarm Optimization. Eurasip Journal on Advances in Signal Processing, 2010, 2009, .	1.0	7
155	Evaluation of global and local training techniques over feed-forward neural network architecture spaces for computer-aided medical diagnosis. Expert Systems With Applications, 2010, 37, 8450-8461.	4.4	40
156	Perceptual color descriptor based on spatial distribution: A top-down approach. Image and Vision Computing, 2010, 28, 1309-1326.	2.7	33
157	Classification of holter registers by dynamic clustering using multi-dimensional particle swarm optimization. , 2010, 2010, 4695-8.		3
158	Network of evolutionary binary classifiers for classification and retrieval in macroinvertebrate databases. , 2010, , .		16
159	Classification of Polarimetric SAR Images Using Evolutionary RBF Networks. , 2010, , .		3
160	Fractional Particle Swarm Optimization in Multidimensional Search Space. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 298-319.	5.5	102
161	Dynamic Data Clustering Using Stochastic Approximation Driven Multi-Dimensional Particle Swarm Optimization. Lecture Notes in Computer Science, 2010, , 336-343.	1.0	1
162	Perceptual color descriptor based on a spatial distribution model: Proximity histograms. , 2009, , .		4

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163	A personalized classification system for Holter registers. , 2009, 2009, 1883-8.		2
164	A Generic and Robust System for Automated Patient-Specific Classification of ECG Signals. IEEE Transactions on Biomedical Engineering, 2009, 56, 1415-1426.	2.5	396
165	Multi-dimensional Particle Swarm Optimization for dynamic clustering. , 2009, , .		4
166	Stochastic approximation driven Particle Swarm Optimization. , 2009, , .		1
167	Dominant Color Extraction Based on Dynamic Clustering by Multi-dimensional Particle Swarm Optimization. , 2009, , .		5
168	Evolutionary artificial neural networks by multi-dimensional particle swarm optimization. Neural Networks, 2009, 22, 1448-1462.	3.3	232
169	Unsupervised design of Artificial Neural Networks via multi-dimensional Particle Swarm Optimization. , 2008, , .		4
170	Image color content description utilizing perceptual color correlogram. , 2008, , .		0
171	Multi-dimensional particle swarm optimization for dynamic environments. , 2008, , .		8
172	A Generic Shape/Texture Descriptor Over Multiscale Edge Field: 2-D Walking Ant Histogram. IEEE Transactions on Image Processing, 2008, 17, 377-391.	6.0	6
173	Automated patient-specific classification of premature ventricular contractions. , 2008, 2008, 5474-7.		19
174	Effects of Arbitrary-Shaped Regions on Texture Retrieval. , 2007, , .		0
175	Directional Spatial Color Descriptor in a Perceptual Model: Proximity Grids. Proc Int Symp Image Signal Process Anal, 2007, , .	0.0	0
176	Hierarchical Cellular Tree: An Efficient Indexing Scheme for Content-Based Retrieval on Multimedia Databases. IEEE Transactions on Multimedia, 2007, 9, 102-119.	5.2	32
177	An efficient approach for boundary based corner detection by maximizing bending ratio and curvature. , 2007, , .		5
178	A Directional Texture Descriptor via 2D Walking Ant Histogram. , 2007, , .		0
179	Automatic Object Extraction Over Multiscale Edge Field for Multimedia Retrieval. IEEE Transactions on Image Processing, 2006, 15, 3759-3772.	6.0	25
180	Audio-based queries for video retrieval over Java enabled mobile devices. , 2006, , .		4

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181	A generic audio classification and segmentation approach for multimedia indexing and retrieval. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 1062-1081.	3.8	49
182	\<title>Content-based image retrieval on mobile devices\</title>. , 2005, 5684, 255.		2
183	An Efficient Image Retrieval Scheme on Java Enabled Mobile Devices. , 2005, , .		7
184	Detection of Atrial Fibrillation in ECG Hand-held Devices Using a Random Forest Classifier. , 0, , .		76
185	Automatic Sleep Arousal Detection Using Multimodal Biosignal Analysis. , 0, , .		3
186	Feature-Based Cardiac Cycle Segmentation in Phonocardiogram Recordings. , 0, , .		1