

Xiaoyi Jiang

List of Publications by Year in descending order

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297
papers

6,182
citations

134610

34
h-index

111975

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319
all docs

319
docs citations

319
times ranked

5666
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust detection method for improving small traffic sign recognition based on spatial pyramid pooling. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 8135-8152.	3.3	30
2	Query Pixel Guided Stroke Extraction with Model-Based Matching for Offline Handwritten Chinese Characters. <i>Pattern Recognition</i> , 2022, 123, 108416.	5.1	4
3	Deep-Learning-Based Detection of Segregations for Ultrasonic Testing. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-16.	2.4	6
4	Axial Stretching of Vessels in the Retinal Vascular Plexus With 3D OCT-Angiography. <i>Translational Vision Science and Technology</i> , 2022, 11, 21.	1.1	1
5	Exploring Current Challenges and Perspectives for Automatic Reconstruction of Clonal Evolution. <i>Cancer Genomics and Proteomics</i> , 2022, 19, 194-204.	1.0	1
6	Adjusting eye aspect ratio for strong eye blink detection based on facial landmarks. <i>PeerJ Computer Science</i> , 2022, 8, e943.	2.7	33
7	Deep convolutional neural network for enhancing traffic sign recognition developed on Yolo V4. <i>Multimedia Tools and Applications</i> , 2022, 81, 37821-37845.	2.6	53
8	Interpolation Kernel Machine and Indefinite Kernel Methods for Graph Classification. <i>Lecture Notes in Computer Science</i> , 2022, , 467-479.	1.0	2
9	Hierarchical Random Walker Segmentation for Large Volumetric Biomedical Images. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 4431-4446.	6.0	6
10	Resolving Colliding Larvae by Fitting ASM to Random Walker-Based Pre-Segmentations. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, 18, 1184-1194.	1.9	3
11	Distance-Preserving Vector Space Embedding for Consensus Learning. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 1244-1257.	5.9	4
12	Deep Rényi entropy graph kernel. <i>Pattern Recognition</i> , 2021, 111, 107668.	5.1	16
13	Effects of central apneas on sympathovagal balance and hemodynamics at night: impact of underlying systolic heart failure. <i>Sleep and Breathing</i> , 2021, 25, 965-977.	0.9	4
14	Yolo V4 for Advanced Traffic Sign Recognition With Synthetic Training Data Generated by Various GAN. <i>IEEE Access</i> , 2021, 9, 97228-97242.	2.6	94
15	Exponential Weighted Moving Average of Time Series in Arbitrary Spaces with Application to Strings. <i>Lecture Notes in Computer Science</i> , 2021, , 45-54.	1.0	0
16	Editorial: A Wonderful Venue for Networking Neuroscience and Computational Intelligence. <i>International Journal of Neural Systems</i> , 2021, 31, 2103005.	3.2	0
17	Systematic misestimation of machine learning performance in neuroimaging studies of depression. <i>Neuropsychopharmacology</i> , 2021, 46, 1510-1517.	2.8	60
18	Scalable robust graph and feature extraction for arbitrary vessel networks in large volumetric datasets. <i>BMC Bioinformatics</i> , 2021, 22, 346.	1.2	9

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19	Rapid methods for the evaluation of fluorescent reporters in tissue clearing and the segmentation of large vascular structures. <i>IScience</i> , 2021, 24, 102650.	1.9	11
20	35th Anniversary of IJPRAI. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2021, 35, 2101002.	0.7	0
21	PHOTONAI“ A Python API for rapid machine learning model development. <i>PLoS ONE</i> , 2021, 16, e0254062.	1.1	15
22	Automatic mandible segmentation from CT image using 3D fully convolutional neural network based on DenseASPP and attention gates. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 1785-1794.	1.7	12
23	Guest Editorial: Special Issue: Computer Vision and Pattern Recognition (DAGM GCPR 2019). <i>International Journal of Computer Vision</i> , 2021, 129, 3004-3005.	10.9	0
24	A real time image-guided reposition system for the loosed bone graft in orthognathic surgery. <i>Computer Assisted Surgery</i> , 2021, 26, 1-8.	0.6	5
25	Layer-Wise Relevance Propagation Based Sample Condensation for Kernel Machines. <i>Lecture Notes in Computer Science</i> , 2021, , 487-496.	1.0	4
26	Correspondence edit distance to obtain a set of weighted means of graph correspondences. <i>Pattern Recognition Letters</i> , 2020, 134, 29-36.	2.6	3
27	A video processing pipeline for intraoperative analysis of cerebral blood flow. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2020, 8, 356-366.	1.3	1
28	A Hybrid Classification Framework Based on Clustering. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 2177-2188.	7.2	19
29	Deep Learning for Traffic Sign Recognition Based on Spatial Pyramid Pooling with Scale Analysis. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6997.	1.3	56
30	A lower bound for generalized median based consensus learning using kernel-induced distance functions. <i>Pattern Recognition Letters</i> , 2020, 140, 339-347.	2.6	1
31	Automatic CT image segmentation of maxillary sinus based on VGG network and improved V-Net. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 1457-1465.	1.7	27
32	Fast and accurate online calibration of optical see-through head-mounted display for AR-based surgical navigation using Microsoft HoloLens. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 1907-1919.	1.7	36
33	Skeletal Similarity based Structural Performance Evaluation for Document Binarization. , 2020, , .		1
34	Error Correctable Hand-Eye Calibration for Stripe-Laser Vision-Guided Robotics. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, , 1-1.	2.4	8
35	Probabilistic SVM classifier ensemble selection based on GMDH-type neural network. <i>Pattern Recognition</i> , 2020, 106, 107373.	5.1	25
36	Circular Complex-Valued GMDH-Type Neural Network for Real-Valued Classification Problems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 5285-5299.	7.2	13

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37	Biological sex classification with structural MRI data shows increased misclassification in transgender women. <i>Neuropsychopharmacology</i> , 2020, 45, 1758-1765.	2.8	14
38	Deploying Deep Learning into Practice: A Case Study on Fundus Segmentation. <i>Communications in Computer and Information Science</i> , 2020, , 411-422.	0.4	1
39	Improved Computation of Affine Dynamic Time Warping. , 2020, , .		0
40	GERoMe-a Method for Evaluating Stability of Graph Extraction Algorithms Without Ground Truth. <i>IEEE Access</i> , 2019, 7, 21744-21755.	2.6	3
41	Developments in Transduction, Connectivity and AI/Machine Learning for Point-of-Care Testing. <i>Sensors</i> , 2019, 19, 1917.	2.1	15
42	Deep Distance Transform to Segment Visually Indistinguishable Merged Objects. <i>Lecture Notes in Computer Science</i> , 2019, , 422-433.	1.0	1
43	A graph-based approach to automated EUS image layer segmentation and abnormal region detection. <i>Neurocomputing</i> , 2019, 336, 79-91.	3.5	7
44	An RJMCMC-Based Method for Tracking and Resolving Collisions of Drosophila Larvae. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 16, 465-474.	1.9	5
45	An Evaluation between Global Appearance Descriptors based on Analytic Methods and Deep Learning Techniques for Localization in Autonomous Mobile Robots. , 2019, , .		2
46	Multi-class Cell Segmentation Using CNNs with F ₁ -measure Loss Function. <i>Lecture Notes in Computer Science</i> , 2019, , 434-446.	1.0	0
47	Automatic non-invasive heartbeat quantification of Drosophila pupae. <i>Computers in Biology and Medicine</i> , 2018, 93, 189-199.	3.9	5
48	PET attenuation correction for flexible MRI surface coils in hybrid PET/MRI using a 3D depth camera. <i>Physics in Medicine and Biology</i> , 2018, 63, 025033.	1.6	14
49	Consensus Learning for Sequence Data. <i>Series in Machine Perception and Artificial Intelligence</i> , 2018, , 69-91.	0.1	5
50	A hybrid reproducing graph kernel based on information entropy. <i>Pattern Recognition</i> , 2018, 73, 89-98.	5.1	20
51	GMDH-based hybrid model for container throughput forecasting: Selective combination forecasting in nonlinear subseries. <i>Applied Soft Computing Journal</i> , 2018, 62, 478-490.	4.1	67
52	The sulfite oxidase Shopper controls neuronal activity by regulating glutamate homeostasis in Drosophila ensheathing glia. <i>Nature Communications</i> , 2018, 9, 3514.	5.8	40
53	Multi-Objective Genetic Algorithms to Find Most Relevant Volumes of the Brain Related to Alzheimer's Disease and Mild Cognitive Impairment. <i>International Journal of Neural Systems</i> , 2018, 28, 1850022.	3.2	26
54	FIM ^{2c} : Multicolor, Multipurpose Imaging System to Manipulate and Analyze Animal Behavior. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 610-620.	2.5	13

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55	Dynamic Programming Based Segmentation in Biomedical Imaging. Computational and Structural Biotechnology Journal, 2017, 15, 255-264.	1.9	14
56	Variants of k-regular nearest neighbor graph and their construction. Information Processing Letters, 2017, 126, 18-23.	0.4	1
57	GERoMe – A Novel Graph Extraction Robustness Measure. Lecture Notes in Computer Science, 2017, , 73-82.	1.0	2
58	The Olimpiad: concordance of behavioural faculties of stage 1 and stage 3 <i>Drosophila</i> larvae. Journal of Experimental Biology, 2017, 220, 2452-2475.	0.8	48
59	GMDH-based semi-supervised feature selection for customer classification. Knowledge-Based Systems, 2017, 132, 236-248.	4.0	43
60	Statistical Permutation-based Artery Mapping (SPAM): a novel approach to evaluate imaging signals in the vessel wall. BMC Medical Imaging, 2017, 17, 36.	1.4	1
61	An FIM-Based Long-Term In-Vial Monitoring System for <i>Drosophila</i> Larvae. IEEE Transactions on Biomedical Engineering, 2017, 64, 1862-1874.	2.5	5
62	FestGPU: a framework for fast robust estimation on GPU. Journal of Real-Time Image Processing, 2017, 13, 759-772.	2.2	2
63	FIMTrack: An open source tracking and locomotion analysis software for small animals. PLoS Computational Biology, 2017, 13, e1005530.	1.5	74
64	An Edit Distance Between Graph Correspondences. Lecture Notes in Computer Science, 2017, , 232-241.	1.0	6
65	CNN-Based Background Subtraction for Long-Term In-Vial FIM Imaging. Lecture Notes in Computer Science, 2017, , 359-371.	1.0	4
66	VIPAR, a quantitative approach to 3D histopathology applied to lymphatic malformations. JCI Insight, 2017, 2, .	2.3	33
67	An Enhanced Multi-label Random Walk for Biomedical Image Segmentation Using Statistical Seed Generation. Lecture Notes in Computer Science, 2017, , 748-760.	1.0	1
68	Interactions among <i>Drosophila</i> larvae before and during collision. Scientific Reports, 2016, 6, 31564.	1.6	20
69	Automated Segmentation of Immunostained Cell Nuclei in 3D Ultramicroscopy Images. Lecture Notes in Computer Science, 2016, , 105-116.	1.0	3
70	Classification-Based Record Linkage With Pseudonymized Data for Epidemiological Cancer Registries. IEEE Transactions on Multimedia, 2016, 18, 1929-1941.	5.2	10
71	Improved Prototype Embedding Based Generalized Median Computation by Means of Refined Reconstruction Methods. Lecture Notes in Computer Science, 2016, , 107-117.	1.0	3
72	Fog Augmentation of Road Images for Performance Analysis of Traffic Sign Detection Algorithms. Lecture Notes in Computer Science, 2016, , 685-697.	1.0	3

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73	Distance-preserving vector space embedding for the closest string problem. , 2016, , .		3
74	Churn Prediction in Customer Relationship Management via GMDH-Based Multiple Classifiers Ensemble. IEEE Intelligent Systems, 2016, 31, 37-44.	4.0	26
75	Cluster ensemble framework based on the group method of data handling. Applied Soft Computing Journal, 2016, 43, 35-46.	4.1	11
76	Automatic understanding of sketch maps using context-aware classification. Expert Systems With Applications, 2016, 45, 195-207.	4.4	8
77	Statistical Modeling Based Adaptive Parameter Setting for Random Walk Segmentation. Lecture Notes in Computer Science, 2016, , 698-710.	1.0	3
78	A consistency-based validation for data clustering. Intelligent Data Analysis, 2015, 19, 471-484.	0.4	2
79	Causal Video Segmentation Using Superseeds and Graph Matching. Lecture Notes in Computer Science, 2015, , 282-291.	1.0	4
80	Customer choice prediction based on transfer learning. Journal of the Operational Research Society, 2015, 66, 1044-1051.	2.1	1
81	Faithful Disocclusion Filling in Depth Image Based Rendering Using Superpixel-Based Inpainting. IEEE Transactions on Multimedia, 2015, 17, 2160-2173.	5.2	32
82	Image segmentation with arbitrary noise models by solving minimal surface problems. Pattern Recognition, 2015, 48, 3293-3309.	5.1	18
83	Efficient block-wise temporally consistent contour extraction in image sequences. Neurocomputing, 2015, 152, 127-138.	3.5	2
84	A comparative approach of four different image registration techniques for quantitative assessment of coronary artery calcium lesions using intravascular ultrasound. Computer Methods and Programs in Biomedicine, 2015, 118, 158-172.	2.6	51
85	Quantifying subtle locomotion phenotypes of Drosophila larvae using internal structures based on FIM images. Computers in Biology and Medicine, 2015, 63, 269-276.	3.9	10
86	A Verification-Based Multithreshold Probing Approach to HEp-2 Cell Segmentation. Lecture Notes in Computer Science, 2015, , 266-276.	1.0	4
87	The CellBorderTracker, a novel tool to quantitatively analyze spatiotemporal endothelial junction dynamics at the subcellular level. Histochemistry and Cell Biology, 2015, 144, 517-532.	0.8	25
88	A self-adaptive matched filter for retinal blood vessel detection. Machine Vision and Applications, 2015, 26, 55-68.	1.7	70
89	Exact solution to median surface problem using 3D graph search and application to parameter space exploration. Pattern Recognition, 2015, 48, 380-390.	5.1	7
90	Report on the First Contest on Graph Matching Algorithms for Pattern Search in Biological Databases. Lecture Notes in Computer Science, 2015, , 178-187.	1.0	9

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91	Motion Estimation. Springer Briefs in Electrical and Computer Engineering, 2015, , 21-63.	0.3	0
92	Motion Correction. Springer Briefs in Electrical and Computer Engineering, 2015, , 65-74.	0.3	0
93	Puzzle Approach to Pose Tracking of a Rigid Object in a Multi Camera System. Lecture Notes in Computer Science, 2015, , 337-349.	1.0	0
94	An Automatic Indirect Immunofluorescence Cell Segmentation System. Mathematical Problems in Engineering, 2014, 2014, 1-13.	0.6	3
95	Real-time depth fusion using a low-cost depth sensor array. , 2014, , .		3
96	Motion Correction of Whole-Body PET Data with a Joint PET-MRI Registration Functional. BioMedical Engineering OnLine, 2014, 13, S2.	1.3	17
97	The <i>Drosophila</i> FHOD1-like formin Knittrig acts through Rok to promote stress fiber formation and directed macrophage migration during the cellular immune response. Development (Cambridge), 2014, 141, 1366-1380.	1.2	39
98	Software phantom with realistic speckle modeling for validation of image analysis methods in echocardiography. , 2014, , .		2
99	Superpixel-Based Disocclusion Filling in Depth Image Based Rendering. , 2014, , .		2
100	Edge-aware depth image filtering using color segmentation. Pattern Recognition Letters, 2014, 50, 63-71.	2.6	10
101	Ensemble clustering by means of clustering embedding in vector spaces. Pattern Recognition, 2014, 47, 833-842.	5.1	85
102	Motion estimation in PET-MRI based on dual registration: preliminary results for human data. EJNMMI Physics, 2014, 1, A39.	1.3	0
103	Fast 2D MRI acquisitions for motion correction in PET-MRI. EJNMMI Physics, 2014, 1, A58.	1.3	1
104	Weighted mean of a pair of clusterings. Pattern Analysis and Applications, 2014, 17, 153-166.	3.1	13
105	Automatic classification of left ventricular wall segments in small animal ultrasound imaging. Computer Methods and Programs in Biomedicine, 2014, 117, 2-12.	2.6	7
106	Editorial. Computer Methods and Programs in Biomedicine, 2014, 117, 1.	2.6	0
107	FIM Imaging and FIMtrack: Two New Tools Allowing High-throughput and Cost Effective Locomotion Analysis. Journal of Visualized Experiments, 2014, , .	0.2	24
108	Stereo and Motion Based 3D High Density Object Tracking. Lecture Notes in Computer Science, 2014, , 136-148.	1.0	1

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109	Hierarchical Plausibility-Graphs for Symbol Spotting in Graphical Documents. Lecture Notes in Computer Science, 2014, , 25-37.	1.0	3
110	Regional Classification of Left Ventricular Wall in Small Animal Ultrasound Imaging. Communications in Computer and Information Science, 2014, , 248-256.	0.4	1
111	The Drosophila FHOD1-like formin Knittrig acts through Rok to promote stress fiber formation and directed macrophage migration during the cellular immune response. Journal of Cell Science, 2014, 127, e1-e1.	1.2	0
112	A Variational Framework for Region-Based Segmentation Incorporating Physical Noise Models. Journal of Mathematical Imaging and Vision, 2013, 47, 179-209.	0.8	32
113	Histogram-Based Optical Flow for Motion Estimation in Ultrasound Imaging. Journal of Mathematical Imaging and Vision, 2013, 47, 138-150.	0.8	18
114	Orthogonal design of experiments for parameter learning in image segmentation. Signal Processing, 2013, 93, 1694-1704.	2.1	30
115	Super-resolution in cardiac PET using mass-preserving image registration. , 2013, , .		3
116	Drosophila pupal macrophages â€“ A versatile tool for combined ex vivo and in vivo imaging of actin dynamics at high resolution. European Journal of Cell Biology, 2013, 92, 349-354.	1.6	27
117	A dynamic thorax phantom for the assessment of cardiac and respiratory motion correction in PET/MRI: A preliminary evaluation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 702, 59-63.	0.7	32
118	Customer credit scoring based on HMM/GMDH hybrid model. Knowledge and Information Systems, 2013, 36, 731-747.	2.1	24
119	A BACKGROUND MODELING-BASED FAITHFUL APPROACH TO THE DISOCCLUSION PROBLEM IN DEPTH IMAGE-BASED RENDERING. International Journal of Pattern Recognition and Artificial Intelligence, 2013, 27, 1354005.	0.7	4
120	Comparison of two 3D tracking paradigms for freely flying insects. Eurasip Journal on Image and Video Processing, 2013, 2013, .	1.7	4
121	A mass conservationâ€based optical flow method for cardiac motion correction in 3Dâ€PET. Medical Physics, 2013, 40, 012505.	1.6	38
122	FIM, a Novel FTIR-Based Imaging Method for High Throughput Locomotion Analysis. PLoS ONE, 2013, 8, e53963.	1.1	107
123	A Region-Based Method for Sketch Map Segmentation. Lecture Notes in Computer Science, 2013, , 1-14.	1.0	5
124	Region Based Contour Detection by Dynamic Programming. Lecture Notes in Computer Science, 2013, , 152-159.	1.0	3
125	High-Precision Lens Distortion Correction Using Smoothed Thin Plate Splines. Lecture Notes in Computer Science, 2013, , 432-439.	1.0	3
126	Incremental Dense Reconstruction from Sparse 3D Points with an Integrated Level-of-Detail Concept. Lecture Notes in Computer Science, 2013, , 116-125.	1.0	2

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127	Color Segmentation Based Depth Image Filtering. Lecture Notes in Computer Science, 2013, , 68-77.	1.0	9
128	Exact Computation of Median Surfaces Using Optimal 3D Graph Search. Lecture Notes in Computer Science, 2013, , 234-243.	1.0	0
129	Biomedical Imaging: A Computer Vision Perspective. Lecture Notes in Computer Science, 2013, , 1-19.	1.0	1
130	Atlas-based segmentation using passive contours. , 2012, , .		0
131	Motion correction of PET data with a joint registration functional for multi-modal data. , 2012, , .		0
132	Pipeline for motion correction in dual gated PET. , 2012, , .		2
133	LOCAL INSTABILITY PROBLEM OF IMAGE SEGMENTATION ALGORITHMS: SYSTEMATIC STUDY AND AN ENSEMBLE-BASED SOLUTION. International Journal of Pattern Recognition and Artificial Intelligence, 2012, 26, 1265004.	0.7	2
134	3D trajectory estimation of simulated fruit flies. , 2012, , .		2
135	A Clustering-Based Ensemble Technique for Shape Decomposition. Lecture Notes in Computer Science, 2012, , 153-161.	1.0	3
136	SoPD -- A New Consensus Function for the Ensemble Clustering Problem. , 2012, , .		1
137	Structural performance evaluation of curvilinear structure detection algorithms with application to retinal vessel segmentation. Pattern Recognition Letters, 2012, 33, 2048-2056.	2.6	5
138	Dynamic classifier ensemble model for customer classification with imbalanced class distribution. Expert Systems With Applications, 2012, 39, 3668-3675.	4.4	100
139	Generalized median string computation by means of string embedding in vector spaces. Pattern Recognition Letters, 2012, 33, 842-852.	2.6	30
140	Motion Correction in Dual Gated Cardiac PET Using Mass-Preserving Image Registration. IEEE Transactions on Medical Imaging, 2012, 31, 698-712.	5.4	127
141	Hierarchical Graph Representation for Symbol Spotting in Graphical Document Images. Lecture Notes in Computer Science, 2012, , 529-538.	1.0	6
142	Evolutionary Weighted Mean Based Framework for Generalized Median Computation with Application to Strings. Lecture Notes in Computer Science, 2012, , 70-78.	1.0	13
143	Image Processing Techniques in Emission Tomography. Series in Medical Physics and Biomedical Engineering, 2012, , 119-156.	0.1	1
144	Mass-preserving motion correction of PET: Displacement field vs. spline transformation. , 2011, , .		2

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145	Mass-preserving motion correction of dual gated cardiac PET. , 2011, , .		1
146	Time-consistency of disocclusion filling algorithms in Depth Image Based Rendering. , 2011, , .		9
147	Recognition of Traffic Lights in Live Video Streams on Mobile Devices. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1497-1511.	5.6	36
148	Palmprint Verification on Mobile Phones Using Accelerated Competitive Code. , 2011, , .		19
149	Preface to the Large Scale Visual Analytics Workshop. , 2011, , .		0
150	Discontinuity-based registration of depth and video data in depth image based rendering. Signal, Image and Video Processing, 2011, 5, 353-361.	1.7	2
151	Graph-based markerless registration of city maps using geometric hashing. Computer Vision and Image Understanding, 2011, 115, 1032-1043.	3.0	5
152	Interactive segmentation of non-star-shaped contours by dynamic programming. Pattern Recognition, 2011, 44, 2008-2016.	5.1	7
153	Motion correction in PET-MRI: A human torso phantom study. , 2011, , .		4
154	Segmentation Ensemble via Kernels. , 2011, , .		6
155	AUTOMATIC DETECTION OF COLORECTAL POLYPS IN STATIC IMAGES. Biomedical Engineering - Applications, Basis and Communications, 2011, 23, 357-367.	0.3	10
156	Image Segmentation Fusion Using General Ensemble Clustering Methods. Lecture Notes in Computer Science, 2011, , 373-384.	1.0	30
157	Classification of Arteries and Veins in Retinal Images using Vessel Profile Features. , 2011, , .		2
158	Adaptive Parameter Selection for Image Segmentation Based on Similarity Estimation of Multiple Segmenters. Lecture Notes in Computer Science, 2011, , 697-708.	1.0	3
159	Automatic Street Graph Construction in Sketch Maps. Lecture Notes in Computer Science, 2011, , 275-284.	1.0	3
160	Depth Image Based Rendering. , 2011, , 279-310.		18
161	Alternating Scheme for Supervised Parameter Learning with Application to Image Segmentation. Lecture Notes in Computer Science, 2011, , 118-125.	1.0	3
162	Structure-Based Evaluation Methodology for Curvilinear Structure Detection Algorithms. Lecture Notes in Computer Science, 2011, , 305-314.	1.0	0

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163	Comparative study of unsupervised dimension reduction techniques for the visualization of microarray gene expression data. BMC Bioinformatics, 2010, 11, 567.	1.2	66
164	Perceptually motivated shape evolution with shape-preserving property. Pattern Recognition Letters, 2010, 31, 447-453.	2.6	7
165	A dynamic classifier ensemble selection approach for noise data. Information Sciences, 2010, 180, 3402-3421.	4.0	66
166	Motion correction in Positron Emission Tomography considering Partial Volume Effects in optical flow estimation. , 2010, , .		2
167	Motion correction of cardiac PET using mass-preserving registration. , 2010, , .		12
168	Exploring the Performance Limit of Cluster Ensemble Techniques. Lecture Notes in Computer Science, 2010, , 405-414.	1.0	2
169	Ensemble Clustering via Random Walker Consensus Strategy. , 2010, , .		15
170	Depth Image Based Rendering: A faithful approach for the disocclusion problem. , 2010, , .		21
171	Exact and Inexact Graph Matching: Methodology and Applications. The Kluwer International Series on Advances in Database Systems, 2010, , 217-247.	1.1	42
172	Developing Mobile Multimedia Applications on Symbian OS Devices. Lecture Notes in Computer Science, 2010, , 238-263.	1.0	3
173	Robust 1-D Barcode Recognition on Camera Phones and Mobile Product Information Display. Lecture Notes in Computer Science, 2010, , 53-69.	1.0	9
174	A Continuity Equation Based Optical Flow Method for Cardiac Motion Correction in 3D PET Data. Lecture Notes in Computer Science, 2010, , 88-97.	1.0	8
175	Fiber Segmentation Using Constrained Clustering. Lecture Notes in Computer Science, 2010, , 1-10.	1.0	0
176	Improved Uncalibrated View Synthesis by Extended Positioning of Virtual Cameras and Image Quality Optimization. Lecture Notes in Computer Science, 2010, , 438-447.	1.0	1
177	Computer-Based Test to Quantify the Pulfrich Stereophenomenon. Ophthalmologica, 2009, 223, 357-361.	1.0	1
178	Color image segmentation using an enhanced Gradient Network Method. Pattern Recognition Letters, 2009, 30, 1404-1412.	2.6	10
179	Structure identification of Bayesian classifiers based on GMDH. Knowledge-Based Systems, 2009, 22, 461-470.	4.0	39
180	Separation of the retinal vascular graph in arteries and veins based upon structural knowledge. Image and Vision Computing, 2009, 27, 864-875.	2.7	94

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181	Matching of anatomical tree structures for registration of medical images. Image and Vision Computing, 2009, 27, 923-933.	2.7	24
182	Registration of depth and video data in depth image based rendering. , 2009, , .		5
183	Optimal number of respiratory gates in positron emission tomography: A cardiac patient study. Medical Physics, 2009, 36, 1775-1784.	1.6	67
184	Graph-Based Registration of Partial Images of City Maps Using Geometric Hashing. Lecture Notes in Computer Science, 2009, , 92-101.	1.0	2
185	An Evidence Accumulation Approach to Constrained Clustering Combination. Lecture Notes in Computer Science, 2009, , 361-371.	1.0	1
186	Design of Clinical Support Systems Using Integrated Genetic Algorithm and Support Vector Machine. Lecture Notes in Computer Science, 2009, , 791-798.	1.0	1
187	Detection of Non-convex Objects by Dynamic Programming. Lecture Notes in Computer Science, 2009, , 285-292.	1.0	1
188	Improved Arterial Inner Wall Detection Using Generalized Median Computation. Lecture Notes in Computer Science, 2009, , 622-630.	1.0	0
189	DocXS distributed operator construction and execution system. Pattern Recognition and Image Analysis, 2008, 18, 328-331.	0.6	0
190	Detections of Arterial Wall in Sonographic Artery Images Using Dual Dynamic Programming. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 792-799.	3.6	59
191	Respiratory Motion Correction in 3-D PET Data With Advanced Optical Flow Algorithms. IEEE Transactions on Medical Imaging, 2008, 27, 1164-1175.	5.4	157
192	Ensemble Combination for Solving the Parameter Selection Problem in Image Segmentation. Lecture Notes in Computer Science, 2008, , 392-401.	1.0	6
193	Robust recognition of 1-D barcodes using camera phones. , 2008, , .		38
194	Using support vector machine to construct a predictive model for clinical decision-making of ventilation weaning. , 2008, , .		2
195	Data mining for detecting disturbances in heart rhythm. , 2008, , .		2
196	Constrained clustering by a novel graph-based distance transformation. , 2008, , .		1
197	Synthesizing 3D videos by a motion-conditioned background mosaic. , 2008, , .		2
198	A random walker based approach to combining multiple segmentations. , 2008, , .		21

#	ARTICLE	IF	CITATIONS
199	Introducing Stereo Effects into Cel Animations. , 2008, , .		1
200	Colorectal Polyps Detection Using Texture Features and Support Vector Machine. Lecture Notes in Computer Science, 2008, , 62-72.	1.0	25
201	Facial Image Processing. Studies in Computational Intelligence, 2008, , 29-48.	0.7	6
202	Motion Correction in Respiratory Gated Cardiac PET/CT Using Multi-scale Optical Flow. Lecture Notes in Computer Science, 2008, 11, 155-162.	1.0	14
203	Perceptually Motivated Shape Evolution with Shape-Preserving Property. Lecture Notes in Computer Science, 2008, , 667-674.	1.0	0
204	Combination of Multiple Segmentations by a Random Walker Approach. Lecture Notes in Computer Science, 2008, , 214-223.	1.0	3
205	Separation of the Retinal Vascular Graph in Arteries and Veins. Lecture Notes in Computer Science, 2007, , 251-262.	1.0	8
206	Improving Human Computer Interaction Through Embedded Vision Technology. , 2007, , .		1
207	Annotated Databases for the Recognition of Screen-Rendered Text. Proc Int Conf Doc Anal Recognit, 2007, , .	0.0	5
208	Computer vision and pattern recognition. International Journal of Computer Mathematics, 2007, 84, 1265-1266.	1.0	18
209	Segmentation of Very Low Resolution Screen-Rendered Text. Proc Int Conf Doc Anal Recognit, 2007, , .	0.0	2
210	Statistical Analysis of the Angle of Intrusion of Porcine Ventricular Myocytes from Epicardium to Endocardium Using Diffusion Tensor Magnetic Resonance Imaging. Anatomical Record, 2007, 290, 1413-1423.	0.8	33
211	Performance of a new, 3D-monitor based random-dot stereotest for children under 4 years of age. Graefe's Archive for Clinical and Experimental Ophthalmology, 2007, 246, 1-7.	1.0	7
212	Matching of Tree Structures for Registration of Medical Images. Lecture Notes in Computer Science, 2007, , 13-24.	1.0	9
213	Image Segmentation Using Histogram Fitting and Spatial Information. , 2007, , 47-57.		4
214	Hierarchical Matching of Anatomical Trees for Medical Image Registration. Lecture Notes in Computer Science, 2007, , 224-231.	1.0	5
215	Construction of Prediction Module for Successful Ventilator Weaning. , 2007, , 766-775.		12
216	A Multiple Classifier Approach for the Recognition of Screen-Rendered Text. Lecture Notes in Computer Science, 2007, , 921-928.	1.0	1

#	ARTICLE	IF	CITATIONS
217	Statistical Analysis of Myocyte Orientations of the Left Ventricular Myocardium. , 2007, , 165-175.		0
218	Shape Evolution Driven by a Perceptually Motivated Measure. , 2007, , 214-223.		1
219	Transforming Static CT in Gated PET/CT Studies to Multiple Respiratory Phases. , 2006, , .		7
220	Lung motion correction on respiratory gated 3-D PET/CT images. IEEE Transactions on Medical Imaging, 2006, 25, 476-485.	5.4	160
221	Finding Common Protein Interaction Patterns Across Organisms. Evolutionary Bioinformatics, 2006, 2, 117693430600200.	0.6	2
222	Distance Measures for Image Segmentation Evaluation. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	64
223	Object Modeling with Guaranteed Fulfillment of Geometric Constraints. , 2006, , .		0
224	Synthesis of Stereoscopic 3D Videos by Limited Resources of Range Images. , 2006, , .		2
225	Development of visual pursuit in the first 6 years of life. Graefe's Archive for Clinical and Experimental Ophthalmology, 2006, 244, 1406-1411.	1.0	15
226	Influence of the Pulfrich phenomenon on driving performance. Graefe's Archive for Clinical and Experimental Ophthalmology, 2006, 244, 1555-1561.	1.0	10
227	Comparison of Methods for Hyperspherical Data Averaging and Parameter Estimation. , 2006, , .		4
228	Recognition of Screen-Rendered Text. , 2006, , .		20
229	DIBR-Based 3D Videos using Non Video Rate Range Image Stream. , 2006, , .		6
230	Applications of Autostereoscopic Displays in Ophthalmologic Studies. , 2006, , .		0
231	A New 3D Monitor-Based Random-Dot Stereotest for Children. , 2006, 47, 4842.		19
232	An Approach to Perceptual Shape Matching. Lecture Notes in Computer Science, 2006, , 109-120.	1.0	3
233	A Class of Generalized Median Contour Problem with Exact Solution. Lecture Notes in Computer Science, 2006, , 109-117.	1.0	4
234	PERFORMANCE EVALUATION OF IMAGE SEGMENTATION ALGORITHMS. , 2005, , 525-542.		7

#	ARTICLE	IF	CITATIONS
235	Image Segmentation Evaluation by Techniques of Comparing Clusterings. Lecture Notes in Computer Science, 2005, , 344-351.	1.0	6
236	Reliable Dual-Band Based Contour Detection: A Double Dynamic Programming Approach. Lecture Notes in Computer Science, 2004, , 544-551.	1.0	5
237	Redundant publications in scientific ophthalmologic journals. Ophthalmology, 2004, 111, 863-866.	2.5	33
238	Dynamic computation of generalised median strings. Pattern Analysis and Applications, 2003, 6, 185-193.	3.1	19
239	Journals: redundant publications are bad news. Nature, 2003, 421, 209-209.	13.7	21
240	Adaptive local thresholding by verification-based multithreshold probing with application to vessel detection in retinal images. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 131-137.	9.7	562
241	Automated Analysis of Eye Tracking Movements. Ophthalmologica, 2003, 217, 320-324.	1.0	6
242	Weighed Mean Generalized Median of Strings. Combinatorial Optimization, 2003, , 295-314.	0.7	0
243	On the Weighted Mean of a Pair of Strings. Pattern Analysis and Applications, 2002, 5, 23-30.	3.1	34
244	Optimal Lower Bound for Generalized Median Problems in Metric Space. Lecture Notes in Computer Science, 2002, , 143-151.	1.0	18
245	Training/Test Data Partitioning for Empirical Performance Evaluation. Series in Machine Perception and Artificial Intelligence, 2002, , 23-37.	0.1	1
246	An median graphs: properties, algorithms, and applications. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 1144-1151.	9.7	174
247	SENTENCE LIPREADING USING HIDDEN MARKOV MODEL WITH INTEGRATED GRAMMAR. International Journal of Pattern Recognition and Artificial Intelligence, 2001, 15, 161-176.	0.7	5
248	Blood Vessel Detection in Retinal Images by Shape-Based Multi-Threshold Probing. Lecture Notes in Computer Science, 2001, , 38-44.	1.0	1
249	SENTENCE LIPREADING USING HIDDEN MARKOV MODEL WITH INTEGRATED GRAMMAR. Series in Machine Perception and Artificial Intelligence, 2001, , 161-176.	0.1	1
250	Towards Detection of Glasses in Facial Images. Pattern Analysis and Applications, 2000, 3, 9-18.	3.1	26
251	An adaptive contour closure algorithm and its experimental evaluation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2000, 22, 1252-1265.	9.7	30
252	High-level feature based range image segmentation. Image and Vision Computing, 2000, 18, 817-822.	2.7	32

#	ARTICLE	IF	CITATIONS
253	Synthesis of Representative Graphical Symbols by Computing Generalized Median Graph. Lecture Notes in Computer Science, 2000, , 183-192.	1.0	20
254	Classifier Combination for Grammar-Guided Sentence Recognition. Lecture Notes in Computer Science, 2000, , 383-392.	1.0	6
255	Graph Matching and Similarity. International Series in Intelligent Technologies, 2000, , 281-304.	0.1	15
256	On the Minimum Common Supergraph of Two Graphs. Computing (Vienna/New York), 2000, 65, 13-25.	3.2	37
257	Skew detection of document images by focused nearest-neighbor clustering. , 1999, , .		27
258	Optimal quadratic-time isomorphism of ordered graphs. Pattern Recognition, 1999, 32, 1273-1283.	5.1	41
259	Combinatorial search versus genetic algorithms: A case study based on the generalized median graph problem. Pattern Recognition Letters, 1999, 20, 1271-1277.	2.6	38
260	Optimal vertex ordering of graphs. Information Processing Letters, 1999, 72, 149-154.	0.4	3
261	Edge Detection in Range Images Based on Scan Line Approximation. Computer Vision and Image Understanding, 1999, 73, 183-199.	3.0	179
262	Lipreading using signal analysis over time. Signal Processing, 1999, 77, 195-208.	2.1	2
263	Recent Advances in Range Image Segmentation. Lecture Notes in Computer Science, 1999, , 272-286.	1.0	2
264	Performance Assessment of Edge-Based Range Image Segmentation. , 1999, , 83-92.		0
265	On the coding of ordered graphs. Computing (Vienna/New York), 1998, 61, 23-38.	3.2	7
266	Marked subgraph isomorphism of ordered graphs. Lecture Notes in Computer Science, 1998, , 122-131.	1.0	8
267	Lipreading: A classifier combination approach. Pattern Recognition Letters, 1997, 18, 1421-1426.	2.6	20
268	Lipreading using Fourier transform over time. Lecture Notes in Computer Science, 1997, , 472-479.	1.0	1
269	Optimality analysis of edge detection algorithms for range images. Lecture Notes in Computer Science, 1997, , 182-189.	1.0	4
270	Range image segmentation: Adaptive grouping of edges into regions. Lecture Notes in Computer Science, 1997, , 299-306.	1.0	19

#	ARTICLE	IF	CITATIONS
271	An experimental comparison of range image segmentation algorithms. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1996, 18, 673-689.	9.7	673
272	Detection of rotational and involutorial symmetries and congruity of polyhedra. Visual Computer, 1996, 12, 193-201.	2.5	14
273	Optimal implementation of morphological operations on neighborhood-connected parallel computers. Annals of Mathematics and Artificial Intelligence, 1995, 13, 301-315.	0.9	0
274	Line segment based axial motion stereo. Pattern Recognition, 1995, 28, 553-562.	5.1	15
275	Fast segmentation of range images into planar regions by scan line grouping. Machine Vision and Applications, 1994, 7, 115-122.	1.7	158
276	<title>Range data acquisition by coded structured light: error characteristic of binary and gray projection code</title>. , 1994, 2252, 386.		2
277	<title>Vision planner for an intelligent multisensory vision system</title>. , 1994, , .		5
278	An optimal algorithm for extracting the regions of a plane graph. Pattern Recognition Letters, 1993, 14, 553-558.	2.6	14
279	<title>Fast extraction of planar surfaces from range images</title>. , 1993, , .		0
280	<title>Optimal decomposition of arbitrary-shaped structuring elements into neighborhood subsets</title>. , 1992, 1708, 724.		0
281	<title>Application of distance transform to range image segmentation</title>. , 1992, , .		0
282	A simple and efficient algorithm for determining the symmetries of polyhedra. Graphical Models, 1992, 54, 91-95.	0.7	18
283	On error analysis for surface normals determined by photometric stereo. Signal Processing, 1991, 23, 221-226.	2.1	10
284	Simple and fast computation of moments. Pattern Recognition, 1991, 24, 801-806.	5.1	111
285	Recognition Of Overlapping Objects Using Interpretation Tree Search And Egi Matching. , 1990, 1153, 611.		3
286	Segmentation of the needle map of objects with curved surfaces. Pattern Recognition Letters, 1989, 10, 181-187.	2.6	1
287	Range image segmentation: the user's dilemma. , 0, , .		9
288	Computer-based assistance of surgeons in the judgment of plastic nose surgeries (rhinoplasty). , 0, , .		2

#	ARTICLE	IF	CITATIONS
289	Search-based contour closure in range images. , 0, , .		2
290	Comparing curved-surface range image segmenters. , 0, , .		31
291	Extraction and tracking of surfaces in range image sequences. , 0, , .		5
292	Combining acoustic and visual classifiers for the recognition of spoken sentences. , 0, , .		4
293	Classification using a hierarchical Bayesian approach. , 0, , .		6
294	Curve morphing by weighted mean of strings. , 0, , .		3
295	Fitting of 3D Circles and Ellipses Using a Parameter Decomposition Approach. , 0, , .		5
296	Automatic Intima-Media Thickness Measurement of Carotid Artery Wall in B-Mode Sonographic Images. , 0, , .		2
297	Rapid Methods for the Evaluation of Fluorescent Reporters in Tissue Clearing and the Segmentation of Large Vascular Structures. SSRN Electronic Journal, 0, , .	0.4	2