B S Manjunath

List of Publications by Year
in descending order

272 papers	18,021 citations	61857 43 h-index	29081 104 g-index
279 all docs	279 docs citations	279 times ranked	12363 citing authors

#	Article	IF	Citations
1	3D Grain Shape Generation in Polycrystals Using Generative Adversarial Networks. Integrating Materials and Manufacturing Innovation, 2022, 11, 71-84.	1.2	8
2	Automated Segmentation and Connectivity Analysis for Normal Pressure Hydrocephalus. BME Frontiers, 2022, 2022, .	2.2	3
3	Seam Carving Detection and Localization Using Two-Stage Deep Neural Networks. Lecture Notes in Electrical Engineering, 2021, , 381-394.	0.3	2
4	Semi Supervised Segmentation And Graph-Based Tracking Of 3d Nuclei In Time-Lapse Microscopy. , 2021, , .		4
5	A Computational Geometry Approach forÂModeling Neuronal Fiber Pathways. Lecture Notes in Computer Science, 2021, 12908, 175-185.	1.0	4
6	HAPSSA: Holistic Approach to PDF malware detection using Signal and Statistical Analysis. , 2021, , .		5
7	OMD: Orthogonal Malware Detection using Audio, Image, and Static Features. , 2021, , .		4
8	How Do Drivers Allocate Their Potential Attention? Driving Fixation Prediction via Convolutional Neural Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2146-2154.	4.7	60
9	Superpixel Embedding Network. IEEE Transactions on Image Processing, 2020, 29, 3199-3212.	6.0	16
10	VSGNet: Spatial Attention Network for Detecting Human Object Interactions Using Graph Convolutions. , 2020, , .		123
11	Acquisition, Reconstruction and Curation of Multimodal 3D TriBeam Data. Microscopy and Microanalysis, 2019, 25, 354-355.	0.2	2
12	Accurate 3D Cell Segmentation Using Deep Features and CRF Refinement. , 2019, , .		13
13	Hybrid LSTM and Encoderâ€"Decoder Architecture for Detection of Image Forgeries. IEEE Transactions on Image Processing, 2019, 28, 3286-3300.	6.0	254
14	Three-dimensional Analysis and Reconstruction of Additively Manufactured Materials in the Cloud-Based BisQue Infrastructure. Integrating Materials and Manufacturing Innovation, 2019, 8, 37-51.	1.2	19
15	BisQue for 3D Materials Science in the Cloud: Microstructureâ€"Property Linkages. Integrating Materials and Manufacturing Innovation, 2019, 8, 52-65.	1.2	8
16	Improving Patch-Based Convolutional Neural Networks for MRI Brain Tumor Segmentation by Leveraging Location Information. Frontiers in Neuroscience, 2019, 13, 1449.	1.4	48
17	Healthcare Event and Activity Logging. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-12.	2.2	2
18	An Order Preserving Bilinear Model for Person Detection in Multi-Modal Data. , 2018, , .		2

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19	A Multiview Multimodal System for Monitoring Patient Sleep. IEEE Transactions on Multimedia, 2018, 20, 3057-3068.	5.2	21
20	The unique face-centered human strategy to search for people in the wild. Journal of Vision, 2018, 18, 520.	0.1	0
21	Search Tracker: Human-Derived Object Tracking in the Wild Through Large-Scale Search and Retrieval. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1803-1814.	5.6	4
22	Beyond Spatial Auto-Regressive Models: Predicting Housing Prices with Satellite Imagery. , 2017, , .		25
23	Detection and Localization of Image Forgeries Using Resampling Features and Deep Learning. , 2017, , .		98
24	Exploiting Spatial Structure for Localizing Manipulated Image Regions. , 2017, , .		136
25	Saccade gaze prediction using a recurrent neural network. , 2017, , .		17
26	Weakly Supervised Manifold Learning for Dense Semantic Object Correspondence. , 2017, , .		10
27	UAVSensor Fusion with Latent-Dynamic Conditional Random Fields in Coronal Plane Estimation. , 2016, , .		1
28	Membrane segmentation via active learning with deep networks. , 2016, , .		8
29	Eye-CU: Sleep pose classification for healthcare using multimodal multiview data. , 2016, , .		9
30	CellECT: cell evolution capturing tool. BMC Bioinformatics, 2016, 17, 88.	1.2	8
31	Context-Aware Hypergraph Modeling for Re-identification and Summarization. IEEE Transactions on Multimedia, 2016, 18, 51-63.	5.2	30
32	SPAM: Signal Processing to Analyze Malware [Applications Corner]. IEEE Signal Processing Magazine, 2016, 33, 105-117.	4.6	40
33	Weakly Supervised Localization Using Deep Feature Maps. Lecture Notes in Computer Science, 2016, , 714-731.	1.0	34
34	Deep Eye-CU (DECU): Summarization ofÂPatient Motion in the ICU. Lecture Notes in Computer Science, 2016, , 178-194.	1.0	2
35	Features we trust!. , 2015, , .		1
36	Weakly Supervised Graph Based Semantic Segmentation by Learning Communities of Image-Parts. , 2015, , .		24

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37	Eye tracking assisted extraction of attentionally important objects from videos. , 2015, , .		18
38	An end-to-end system for content-based video retrieval using behavior, actions, and appearance with interactive query refinement. , 2015, , .		5
39	Characterizing spatial distributions of astrocytes in the mammalian retina. Bioinformatics, 2015, 31, 2024-2031.	1.8	19
40	People Tracking in Camera Networks: Three Open Questions. Computer, 2015, 48, 78-86.	1.2	7
41	PixNet: A Localized Feature Representation for Classification and Visual Search. IEEE Transactions on Multimedia, 2015, 17, 616-625.	5.2	11
42	Retrieval of Images with Objects of Specific Size, Location, and Spatial Configuration. , 2015, , .		2
43	Sleep Pose Recognition in an ICU Using Multimodal Data and Environmental Feedback. Lecture Notes in Computer Science, 2015, , 56-66.	1.0	9
44	Multicamera video summarization and anomaly detection from activity motifs. ACM Transactions on Sensor Networks, 2014, 10, 1-30.	2.3	12
45	Multi-Label Learning With Fused Multimodal Bi-Relational Graph. IEEE Transactions on Multimedia, 2014, 16, 403-412.	5.2	29
46	Calibrating a wide-area camera network with non-overlapping views using mobile devices. ACM Transactions on Sensor Networks, 2014, 10, 1-24.	2.3	9
47	Synapse classification and localization in Electron Micrographs. Pattern Recognition Letters, 2014, 43, 17-24.	2.6	18
48	Marine Biodiversity Classification Using Dropout Regularization. , 2014, , .		7
49	Graph-Based Topic-Focused Retrieval in Distributed Camera Network. IEEE Transactions on Multimedia, 2013, 15, 2046-2057.	5.2	18
50	Multiple view discriminative appearance modeling with IMCMC for distributed tracking. , 2013, , .		5
51	From Where and How to What We See. , 2013, , .		17
52	Context-aware graph modeling for object search and retrieval in a wide area camera network. , 2013, , .		3
53	SigMal. , 2013, , .		31
54	Learning top down scene context for visual attention modeling in natural images. , 2013, , .		7

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55	Simultaneous cell tracking and image alignment in 3D CLSM imagery of growing Arabidopsis thaliana sepals. , 2013, , .		4
56	Camera Alignment Using Trajectory Intersections in Unsynchronized Videos. , 2013, , .		2
57	Robust Simultaneous Registration and Segmentation with Sparse Error Reconstruction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 425-436.	9.7	9
58	Robust multiple object tracking by detection with interacting Markov chain Monte Carlo. , 2013, , .		5
59	Learning bottom-up text attention maps for text detection using stroke width transform. , 2013, , .		6
60	A Linear Program Formulation for the Segmentation of Ciona Membrane Volumes. Lecture Notes in Computer Science, 2013, 16, 444-451.	1.0	4
61	Online parameter estimation in dynamic Markov Random Fields for image sequence analysis. , 2012, , .		1
62	Unified probabilistic framework for simultaneous detection and tracking of multiple objects with application to bio-image sequences. , 2012, , .		6
63	Robust biological image sequence analysis using graph based approaches. , 2012, , .		5
64	Intra-class multi-output regression based subspace analysis. , 2012, , .		0
65	Object browsing and searching in a camera network using graph models. , 2012, , .		4
66	Unified hypergraph for image ranking in a multimodal context. , 2012, , .		14
67	Biological imaging software tools. Nature Methods, 2012, 9, 697-710.	9.0	462
68	Scalable Tracing of Electron Micrographs by Fusing Top Down and Bottom Up Cues Using Hypergraph Diffusion. Lecture Notes in Computer Science, 2012, 15, 321-328.	1.0	2
69	A curvicylindrical coordinate system for the visualization and segmentation of the ascidian tail. , 2011, , 182-186.		1
70	An automatic feature based model for cell segmentation from confocal microscopy volumes. , 2011, , 199-203.		7
71	Probabilistic subspace-based learning of shape dynamics modes for multi-view action recognition. , 2011, , .		12
72	The iPlant Collaborative: Cyberinfrastructure for Plant Biology. Frontiers in Plant Science, 2011, 2, 34.	1.7	396

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73	Segmentation of ascidian notochord cells in DIC timelapse images. Microscopy Research and Technique, 2011, 74, 727-734.	1.2	4
74	Tau isoformâ€specific modulation of kinesinâ€driven microtubule gliding rates and trajectories as determined with tauâ€stabilized microtubules. Cytoskeleton, 2011, 68, 44-55.	1.0	29
75	Generalized subspace based high dimensional density estimation. , 2011, , .		0
76	Identification of piRNAs in the central nervous system. Rna, 2011, 17, 1090-1099.	1.6	265
77	Multiple Structure Tracing in 3D Electron Micrographs. Lecture Notes in Computer Science, 2011, 14, 613-620.	1.0	5
78	Combinatorial Tau Pseudophosphorylation. Journal of Biological Chemistry, 2011, 286, 14257-14270.	1.6	32
79	Improving re-sampling detection by adding noise. , 2010, , .		10
80	Hierarchical scene understanding exploiting automatically derived contextual data. Proceedings of SPIE, 2010, , .	0.8	0
81	On the Length and Area Regularization for Multiphase Level Set Segmentation. International Journal of Computer Vision, 2010, 90, 267-282.	10.9	15
82	Matrix Embedding With Pseudorandom Coefficient Selection and Error Correction for Robust and Secure Steganography. IEEE Transactions on Information Forensics and Security, 2010, 5, 225-239.	4.5	31
83	Variability in the Control of Cell Division Underlies Sepal Epidermal Patterning in Arabidopsis thaliana. PLoS Biology, 2010, 8, e1000367.	2.6	263
84	Bisque: a platform for bioimage analysis and management. Bioinformatics, 2010, 26, 544-552.	1.8	171
85	Object Tracking with Ratio Cycles Using Shape and Appearance Cues. , 2010, , .		1
86	Discriminative Basis Selection Using Non-negative Matrix Factorization. , 2010, , .		0
87	Particle Filter Tracking with Online Multiple Instance Learning. , 2010, , .		10
88	Graphical Model-Based Tracking of Curvilinear Structures in Bio-image Sequences. , 2010, , .		2
89	Interactive graph cut segmentation of touching neuronal structures from electron micrographs. , 2010, , .		2
90	Generalized simultaneous registration and segmentation. , 2010, , .		3

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91	Anatomical parts-based regression using non-negative matrix factorization. , 2010, , 2863-2870.		7
92	Precise localization of key-points to identify local regions for robust data hiding. , 2010, , .		0
93	Spatio-temporal optical flow statistics (STOFS) for activity classification. , 2010, , .		4
94	Silencing of CDK5 Reduces Neurofibrillary Tangles in Transgenic Alzheimer's Mice. Journal of Neuroscience, 2010, 30, 13966-13976.	1.7	152
95	Obtaining Higher Rates for Steganographic Schemes While Maintaining the Same Detectability. Lecture Notes in Computer Science, 2010, , 178-192.	1.0	1
96	Use of imperfectly segmented nuclei in the classification of histopathology images of breast cancer. , 2010, , .		18
97	Design and implementation of a wide area, large-scale camera network. , 2010, , .		4
98	A Nonconservative Flow Field for Robust Variational Image Segmentation. IEEE Transactions on Image Processing, 2010, 19, 478-490.	6.0	18
99	Distributed particle filter tracking with online multiple instance learning in a camera sensor network. , 2010, , .		13
100	Video Annotation Through Search and Graph Reinforcement Mining. IEEE Transactions on Multimedia, 2010, 12, 184-193.	5.2	50
101	Efficient and Robust Detection of Duplicate Videos in a Large Database. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 870-885.	5.6	30
102	Image dependent log-likelihood ratio allocation for repeat accumulate code-based decoding in data hiding channels. , 2010, , .		1
103	Adding Gaussian noise to “denoise” JPEG for detecting image resizing. , 2009, , .		7
104	Improving the quality of depth image based rendering for 3D Video systems. , 2009, , .		11
105	Double embedding in the quantization index modulation framework. , 2009, , .		5
106	A biosegmentation benchmark for evaluation of bioimage analysis methods. BMC Bioinformatics, 2009, 10, 368.	1.2	64
107	Detection of seam carving and localization of seam insertions in digital images. , 2009, , .		59
108	Robust dynamical model for simultaneous registration and segmentation in a variational framework: A Bayesian approach. , 2009, , .		8

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109	Probabilistic occlusion boundary detection on spatio-temporal lattices. , 2009, , .		25
110	Drums, curve descriptors and affine invariant region matching. Image and Vision Computing, 2008, 26, 347-360.	2.7	9
111	A Variational Framework for Multiregion Pairwise-Similarity-Based Image Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1400-1414.	9.7	50
112	An automatic method to learn and transfer the photometric appearance of partially overlapping images. , 2008, , .		1
113	Shape prior segmentation of multiple objects with graph cuts. , 2008, , .		108
114	Graph cut segmentation of neuronal structures from transmission electron micrographs. , 2008, , .		6
115	Automatic video annotation through search and mining. , 2008, , .		25
116	VISNET: A distributed vision testbed. , 2008, , .		7
117	Evaluation and benchmark for biological image segmentation. , 2008, , .		49
118	Reference-based probabilistic segmentation as non-rigid registration using Thin Plate Splines. , 2008, , .		2
119	Estimation of optimum coding redundancy and frequency domain analysis of attacks for YASS - a randomized block based hiding scheme. , 2008, , .		9
120	A lightweight multiview tracked person descriptor for camera sensor networks. , 2008, , .		0
121	Spirittagger. , 2008, , .		60
122	Deformable trellis: open contour tracking in bio-image sequences. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	11
123	Conditional iterative decoding of Two Dimensional Hidden Markov Models. , 2008, , .		6
124	<title>Video fingerprinting: features for duplicate and similar video detection and query-based video retrieval</title>. Proceedings of SPIE, 2008, , .	0.8	25
125	Steganographic capacity estimation for the statistical restoration framework. Proceedings of SPIE, 2008, , .	0.8	1
126	Further study on YASS: steganography based on randomized embedding to resist blind steganalysis. Proceedings of SPIE, 2008, , .	0.8	36

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127	Duplicate Image Detection in Large Scale Databases. Statistical Science and Interdisciplinary Research, 2008, , 149-166.	0.0	2
128	Pairwise Similarities across Images for Multiple View Rigid/Non-Rigid Segmentation and Registration. , 2007, , .		1
129	Extracting Dynamic Microtubule Features from Image Sequences. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	0
130	TRACING MICROTUBULES IN LIVE CELL IMAGES. , 2007, , .		8
131	Edge Preserving Filters using Geodesic Distances on Weighted Orthogonal Domains. Proceedings International Conference on Image Processing, 2007, , .	0.0	5
132	Retina Layer Segmentation and Spatial Alignment of Antibody Expression Levels. , 2007, , .		3
133	Estimating Steganographic Capacity for Odd-Even Based Embedding and its Use in Individual Compensation. Proceedings International Conference on Image Processing, 2007, , .	0.0	1
134	Secure Steganography: Statistical Restoration of the Second Order Dependencies for Improved Security. , 2007, , .		12
135	A Variational Approach to Exploit Prior Information in Object-Background Segregation: Application to Retinal Images. , 2007, , .		4
136	Tracing Curvilinear Structures in Live Cell Images. , 2007, , .		17
137	Model based dynamics analysis in live cell microtubule images. BMC Cell Biology, 2007, 8, S4.	3.0	14
138	Utility of multispectral imaging for nuclear classification of routine clinical histopathology imagery. BMC Cell Biology, 2007, 8, S8.	3.0	47
139	A Quantitative Object-Level Metric for Segmentation Performance and Its Application to Cell Nuclei. , 2007, , 208-219.		3
140	YASS: Yet Another Steganographic Scheme That Resists Blind Steganalysis. Lecture Notes in Computer Science, 2007, , 16-31.	1.0	150
141	Graph partitioning active contours (GPAC) for image segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 509-521.	9.7	69
142	Modeling and Detection of Geospatial Objects Using Texture Motifs. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 3706-3715.	2.7	91
143	Steganalysis for Markov Cover Data With Applications to Images. IEEE Transactions on Information Forensics and Security, 2006, 1, 275-287.	4.5	82
144	`Print and Scan' Resilient Data Hiding in Images. IEEE Transactions on Information Forensics and Security, 2006, 1, 464-478.	4.5	77

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145	Provably Secure Steganography: Achieving Zero K-L Divergence using Statistical Restoration. , 2006, , .		44
146	Determining Achievable Rates for Secure, Zero Divergence, Steganography. , 2006, , .		7
147	Multi-Focus Imaging using Local Focus Estimation and Mosaicking. , 2006, , .		16
148	Redundancy in All Pairs Fast Marching Method. , 2006, , .		6
149	Automated tool for the detection of cell nuclei in digital microscopic images: application to retinal images. Molecular Vision, 2006, 12, 949-60.	1.1	102
150	Multiband Techniques for Texture Classification and Segmentation. , 2005, , 455-470.		11
151	The multiRANSAC algorithm and its application to detect planar homographies. , 2005, , .		184
152	Statistical restoration for robust and secure steganography. , 2005, , .		30
153	Region of interest extraction and virtual camera control based on panoramic video capturing. IEEE Transactions on Multimedia, 2005, 7, 981-990.	5.2	56
154	Detection of Hiding in the Least Significant Bit. IEEE Transactions on Signal Processing, 2004, 52, 3046-3058.	3.2	71
155	Robust Image-Adaptive Data Hiding Using Erasure and Error Correction. IEEE Transactions on Image Processing, 2004, 13, 1627-1639.	6.0	118
156	A distributed database for bio-molecular images. SIGMOD Record, 2004, 33, 65-71.	0.7	233
157	Drums and Curve Descriptors. , 2004, , .		10
158	A condition number for point matching with application to registration and postregistration error estimation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 1437-1454.	9.7	39
159	High-volume data hiding in images: Introducing perceptual criteria into quantization based embedding. , 2002, , .		16
160	Color Image Segmentation Using Anisotropic Diffusion and Agglomerative Hierarchical Clustering. Lecture Notes in Computer Science, 2002, , 759-766.	1.0	2
161	Color and texture descriptors. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 703-715.	5.6	1,347
162	An efficient color representation for image retrieval. IEEE Transactions on Image Processing, 2001, 10, 140-147.	6.0	243

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163	Unsupervised segmentation of color-texture regions in images and video. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 800-810.	9.7	1,155
164	Image segmentation using curve evolution. , 2001, , .		1
165	Peer group image enhancement. IEEE Transactions on Image Processing, 2001, 10, 326-334.	6.0	136
166	<title>An adaptive index structure for similarity search in large image databases</title>. , 2001, , .		2
167	MPEG-7 Homogeneous Texture Descriptor. ETRI Journal, 2001, 23, 41-51.	1.2	100
168	Object-based representations of spatial images. Acta Astronautica, 2001, 48, 567-577.	1.7	5
169	An Adaptive Index Structure for High-Dimensional Similarity Search. Lecture Notes in Computer Science, 2001, , 71-78.	1.0	4
170	A Motion Activity Descriptor and Its Extraction in Compressed Domain. Lecture Notes in Computer Science, 2001, , 450-457.	1.0	14
171	Texture Classification and Segmentation: Tribulations, Triumphs and Tributes. , 2001, , 219-240.		0
172	A texture descriptor for browsing and similarity retrieval. Signal Processing: Image Communication, 2000, 16, 33-43.	1.8	133
173	Guest editorial introduction to the special issue on image and video processing for digital libraries. IEEE Transactions on Image Processing, 2000, 9, 1-2.	6.0	19
174	EdgeFlow: a technique for boundary detection and image segmentation. IEEE Transactions on Image Processing, 2000, 9, 1375-1388.	6.0	267
175	<title>Registration and fusion of multispectral images using a new control point assessment method derived from optical flow ideas</title>. , 1999, , .		9
176	NeTra: A toolbox for navigating large image databases. Multimedia Systems, 1999, 7, 184-198.	3.0	272
177	Rotation-invariant texture classification using a complete space-frequency model. IEEE Transactions on Image Processing, 1999, 8, 255-269.	6.0	180
178	An efficient low-dimensional color indexing scheme for region-based image retrieval. , 1999, , .		16
179	<title>Technique for image data hiding and reconstruction without host image</title>. , 1999, , .		9
180	MODEL-BASED TEXTURE SEGMENTATION AND CLASSIFICATION. , 1999, , 249-282.		19

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181	A texture thesaurus for browsing large aerial photographs. Journal of the Association for Information Science and Technology, 1998, 49, 633-648.	1.2	51
182	NeTra-V: toward an object-based video representation. IEEE Transactions on Circuits and Systems for Video Technology, 1998, 8, 616-627.	5.6	86
183	Variational image segmentation using boundary functions. IEEE Transactions on Image Processing, 1998, 7, 1269-1282.	6.0	34
184	A texture thesaurus for browsing large aerial photographs. Journal of the Association for Information Science and Technology, 1998, 49, 633-648.	1.2	54
185	<title>Robust embedded data from wavelet coefficients</title>. , 1997, 3312, 308.		37
186	<title>NeTra-V: toward an object-based video representation</title>. , 1997, 3312, 202.		11
187	<title>Tools for texture- and color-based search of images</title>. , 1997, 3016, 496.		49
188	An Eigenspace Update Algorithm for Image Analysis. Graphical Models, 1997, 59, 321-332.	1.4	185
189	Texture features for browsing and retrieval of image data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1996, 18, 837-842.	9.7	2,987
190	A new approach to image feature detection with applications. Pattern Recognition, 1996, 29, 627-640.	5.1	117
191	Texture-based pattern retrieval from image databases. Multimedia Tools and Applications, 1996, 2, 35-51.	2.6	26
192	Texture features and learning similarity. , 1996, , .		160
193	<title>Approach to efficient storage, retrieval, and browsing of large-scale image databases</title>. , 1995, , .		7
194	<title>Image indexing using a texture dictionary</title>. , 1995, 2606, 288.		22
195	Adaptive filtering and indexing for image databases. , 1995, 2420, 12.		20
196	Multisensor Image Fusion Using the Wavelet Transform. Graphical Models, 1995, 57, 235-245.	1.4	1,346
197	Automated segmentation of brain MR images. Pattern Recognition, 1995, 28, 1825-1837.	5.1	56
198	A contour-based approach to multisensor image registration. IEEE Transactions on Image Processing, 1995, 4, 320-334.	6.0	414

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200	Unsupervised texture segmentation using Markov random field models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1991, 13, 478-482.	9.7	315
201	Markov Random Fields and Neural Networks with Applications to Early Vision Problems. Machine Intelligence and Pattern Recognition, 1991, 11, 155-174.	0.2	9
202	Stochastic and deterministic networks for texture segmentation. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1990, 38, 1039-1049.	2.0	102
203	Image segmentation using curve evolution and region stability. , 0, , .		8
204	System for automatic registration of remote sensing images. , 0, , .		0
205	A computational approach to boundary detection. , 0, , .		15
206	Gabor wavelet transform and application to problems in early vision. , 0, , .		10
207	A robust method for detecting image features with application to face recognition and motion correspondence. , 0, , .		10
208	A feature based approach to face recognition. , 0, , .		169
209	Contour-based multisensor image registration. , 0, , .		4
210	Optical-to-SAR image registration using the active contour model. , 0, , .		8
211	A Model Based Approach To Detecting Spinal Disk Degenerations From MRI Data. , 0, , .		1
212	Registration of 3-D multimodality brain images by curve matching. , 0, , .		0
213	Pattern retrieval in image databases based on adaptive signal decomposition. , 0, , .		0
214	Multi-sensor image fusion using the wavelet transform. , 0, , .		705
215	A comparison of wavelet transform features for texture image annotation. , 0, , .		84
216	Rotation-invariant texture classification using modified Gabor filters. , 0, , .		59

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217	An eigenspace update algorithm for image analysis. , 0, , .		20
218	Image segmentation via functionals based on boundary functions. , 0, , .		0
219	Browsing large satellite and aerial photographs. , 0, , .		21
220	Dimensionality reduction using multi-dimensional scaling for content-based retrieval. , 0, , .		21
221	NeTra: a toolbox for navigating large image databases. , 0, , .		370
222	Content-based search of video using color, texture, and motion. , 0, , .		60
223	Model-based detection and correction of corrupted wavelet coefficients. , 0, , .		0
224	Progressive-resolution transmission and lossless compression of color images for digital image libraries. , 0, , .		4
225	Edge flow: A framework of boundary detection and image segmentation. , 0, , .		141
226	Spatio-temporal relationships and video object extraction. , 0, , .		3
227	A robust data hiding technique using multidimensional lattices. , 0, , .		18
228	Image processing in the Alexandria Digital Library project. , 0, , .		4
229	Color image embedding using multidimensional lattice structures. , 0, , .		14
230	Reversible wavelet and spectral transforms for lossless compression of color images. , 0, , .		1
231	Issues for image/video digital libraries. , 0, , .		1
232	Subset selection for active object recognition. , 0, , .		23
233	Color image segmentation. , 0, , .		164
234	Peer group filtering and perceptual color image quantization. , 0, , .		92

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235	Data hiding in video. , 0, , .		46
236	Dimensionality reduction for image retrieval. , 0, , .		10
237	Recording the region of interest from FlyCam panoramic video. , 0, , .		2
238	Texture Features for Image Retrieval. , 0, , 313-344.		6
239	Category-based image retrieval. , 0, , .		10
240	Detecting path intersections in panoramic video. , 0, , .		0
241	Scalable spatial event representation. , 0, , .		0
242	Probabilistic motion parameter models for human activity recognition. , 0, , .		9
243	Modeling object classes in aerial images using texture motifs. , 0, , .		12
244	Image adaptive high volume data hiding based on scalar quantization. , 0, , .		8
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246	Representation of motion activity in hierarchical levels for video indexing and filtering. , 0, , .		9
247	Image segmentation using curve evolution and flow fields. , 0, , .		14
248	Panoramic capturing and recognition of human activity. , 0, , .		4
249	Video region segmentation by spatio-temporal watersheds. , 0, , .		6
250	Image segmentation using multi-region stability and edge strength. , 0, , .		10
251	On the Rayleigh nature of Gabor filter outputs. , 0, , .		10
252	Nearest neighbor search for relevance feedback. , 0, , .		12

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253	A semantic representation for image retrieval. , 0, , .		7
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