

Shang-Hong Lai

List of Publications by Year in descending order

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245
papers

2,899
citations

279487

23
h-index

301761

39
g-index

256
all docs

256
docs citations

256
times ranked

2385
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-Scale Patch-Based Representation Learning for Image Anomaly Detection and Segmentation. , 2022, , .		25
2	GAN-Based Day-to-Night Image Style Transfer for Nighttime Vehicle Detection. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 951-963.	4.7	71
3	Attention-Based Deep Metric Learning for Near-Duplicate Video Retrieval. , 2021, , .		11
4	3D Object Detection from Consecutive Monocular Images. Lecture Notes in Computer Science, 2021, , 453-468.	1.0	1
5	Stylized-Colorization for Line Arts. , 2021, , .		6
6	Y-Net: Learning Domain Robust Feature Representation for ground camera image and large-scale image-based point cloud registration. Information Sciences, 2021, 581, 655-677.	4.0	8
7	High-Accuracy RGB-D Face Recognition via Segmentation-Aware Face Depth Estimation and Mask-Guided Attention Network. , 2021, , .		3
8	Multi-task CNN for restoring corrupted fingerprint images. Pattern Recognition, 2020, 101, 107203.	5.1	34
9	Learning to Match Ground Camera Image and UAV 3-D Model-Rendered Image Based on Siamese Network With Attention Mechanism. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1608-1612.	1.4	7
10	Learning to Match 2D Images and 3D LiDAR Point Clouds for Outdoor Augmented Reality. , 2020, , .		13
11	Real-Time Single-Stage Vehicle Detector Optimized by Multi-Stage Image-Based Online Hard Example Mining. IEEE Transactions on Vehicular Technology, 2020, 69, 1505-1518.	3.9	9
12	Group Activity Recognition via Computing Human Pose Motion History and Collective Map from Video. Lecture Notes in Computer Science, 2020, , 705-718.	1.0	1
13	ByeGlassesGAN: Identity Preserving Eyeglasses Removal for Face Images. Lecture Notes in Computer Science, 2020, , 243-258.	1.0	11
14	DeepRoom: 3D Room Layout and Pose Estimation from a Single Image. Lecture Notes in Computer Science, 2020, , 719-733.	1.0	4
15	Image captioning by incorporating affective concepts learned from both visual and textual components. Neurocomputing, 2019, 328, 56-68.	3.5	27
16	Ground Camera Images and UAV 3D Model Registration for Outdoor Augmented Reality. , 2019, , .		7
17	Object Detection in Curved Space for 360-Degree Camera. , 2019, , .		9
18	Automatic Generation of Photorealistic Training Data for Detection of Industrial Components. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
19	AE-GAN-Net: Learning Invariant Feature Descriptor to Match Ground Camera Images and a Large-Scale 3D Image-Based Point Cloud for Outdoor Augmented Reality. Remote Sensing, 2019, 11, 2243.	1.8	7
20	Audio Tempo Estimation Method Improved by Rhythm Pattern and Data Augmentation. , 2019, , .		0
21	i-Siam: Improving Siamese Tracker with Distractors Suppression and Long-Term Strategies. , 2019, , .		3
22	Human Action Recognition Based on Temporal Pose CNN and Multi-dimensional Fusion. Lecture Notes in Computer Science, 2019, , 426-440.	1.0	8
23	Relationship between sonography of sternocleidomastoid muscle and cervical passive range of motion in infants with congenital muscular torticollis. Biomedical Journal, 2018, 41, 369-375.	1.4	6
24	SegmentedFusion: 3D Human Body Reconstruction Using Stitched Bounding Boxes. , 2018, , .		1
25	A Compact Deep Learning Model for Robust Facial Expression Recognition. , 2018, , .		107
26	Indoor Scene Layout Estimation from a Single Image. , 2018, , .		19
27	Emotion-Preserving Representation Learning via Generative Adversarial Network for Multi-View Facial Expression Recognition. , 2018, , .		62
28	AugGAN: Cross Domain Adaptation with GAN-Based Data Augmentation. Lecture Notes in Computer Science, 2018, , 731-744.	1.0	89
29	Multi-scale energy optimization for object proposal generation. Multimedia Tools and Applications, 2017, 76, 10481-10499.	2.6	2
30	Driver Drowsiness Detection via a Hierarchical Temporal Deep Belief Network. Lecture Notes in Computer Science, 2017, , 117-133.	1.0	88
31	A deep learning approach towards pore extraction for high-resolution fingerprint recognition. , 2017, , .		23
32	Hierarchical Structured Dictionary Learning for image categorization. , 2017, , .		0
33	Real-time video stitching. , 2017, , .		12
34	Fast Vehicle Detector for Autonomous Driving. , 2017, , .		5
35	Edge-preserving disparity map estimation from stereo videos for bokeh synthesis. , 2017, , .		1
36	A Deep Learning Approach to Appearance-Based Gaze Estimation under Head Pose Variations. , 2017, , .		2

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37	Deep Neural Networks for Accurate Iris Recognition. , 2017, , .		3
38	General Deep Image Completion with Lightweight Conditional Generative Adversarial Networks. , 2017, , .		0
39	Video synthesis from stereo videos with iterative depth refinement. Journal of Visual Communication and Image Representation, 2017, 47, 48-61.	1.7	2
40	Video stabilization with distortion correction for wide-angle lens dashcam. , 2016, , .		1
41	Lighting estimation from a single image containing multiple planes. , 2016, , .		0
42	Depth image super-resolution via multi-frame registration and deep learning. , 2016, , .		5
43	A Multiattribute Sparse Coding Approach for Action Recognition From a Single Unknown Viewpoint. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1476-1489.	5.6	14
44	Accurate and robust face recognition from RGB-D images with a deep learning approach. , 2016, , .		27
45	Using line consistency to estimate 3D indoor Manhattan scene layout from a single image. , 2015, , .		3
46	3D hand skeleton model estimation from a depth image. , 2015, , .		2
47	Correcting radial and perspective distortion by using face shape information. , 2015, , .		2
48	Novel Facial Expression Recognition by Combining Action Unit Detection with Sparse Representation Classification. , 2015, , .		1
49	Non-rigid registration of images with geometric and photometric deformation by using local affine Fourier-moment matching. , 2015, , .		3
50	Hierarchical Interpolation-Based Disocclusion Region Recovery for Two-View to N-View Conversion System. Lecture Notes in Computer Science, 2015, , 642-650.	1.0	0
51	Online facial expression recognition based on combining texture and geometric information. , 2014, , .		3
52	A Joint Learning Approach to Face Detection in Wavelet Compressed Domain. Mathematical Problems in Engineering, 2014, 2014, 1-13.	0.6	0
53	Fast 3D Object Alignment from Depth Image with 3D Fourier Moment Matching on GPU. , 2014, , .		0
54	Iterative depth recovery for multi-view video synthesis from stereo videos. , 2014, , .		2

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55	Automatic foreground segmentation from multi-view images with planar background. , 2014, , .		0
56	3D object detection and pose estimation from depth image for robotic bin picking. , 2014, , .		35
57	Exploring Depth Information for Object Segmentation and Detection. , 2014, , .		0
58	Automatic Facial Expression Exaggeration System with Parallelized Implementation on a Multi-Core Embedded Computing Platform. Journal of Signal Processing Systems, 2014, 75, 155-168.	1.4	0
59	Spatio-Temporally Consistent View Synthesis From Video-Plus-Depth Data With Global Optimization. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 74-84.	5.6	18
60	Guest Editorial: Multi-Core Embedded Computing for Signal Processing. Journal of Signal Processing Systems, 2014, 75, 93-94.	1.4	0
61	Guest editorial: Advances in 3D video processing. Journal of Visual Communication and Image Representation, 2014, 25, 597-598.	1.7	0
62	A novel gradient attenuation Richardsonâ€“Lucy algorithm for image motion deblurring. Signal Processing, 2014, 103, 399-414.	2.1	24
63	3D Liver Vessel Reconstruction from CT Images. , 2014, , .		1
64	Single Image Super-Resolution Based on Local Self-Similarity. , 2013, , .		4
65	Learning spatial weighting for facial expression analysis via constrained quadratic programming. Pattern Recognition, 2013, 46, 3103-3116.	5.1	10
66	Learning Component-Level Sparse Representation for Image and Video Categorization. IEEE Transactions on Image Processing, 2013, 22, 4775-4787.	6.0	7
67	Multi-attribute sparse representation with group constraints for face recognition under different variations. , 2013, , .		3
68	Rolling shutter correction for video with large depth of field. , 2013, , .		4
69	Design of vehicle detection methods with OpenCL programming on multi-core systems. , 2013, , .		2
70	Automatic Distortion Correction of Endoscopic Images Captured With Wide-Angle Zoom Lens. IEEE Transactions on Biomedical Engineering, 2013, 60, 2603-2613.	2.5	23
71	3D Spinal Cord and Nerves Segmentation from STIR-MRI. Smart Innovation, Systems and Technologies, 2013, , 383-392.	0.5	4
72	Face Verification With Local Sparse Representation. IEEE Signal Processing Letters, 2013, 20, 177-180.	2.1	15

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73	Human segmentation from video by combining random walks with human shape prior adaptation. , 2013, , .		5
74	Reconstruction of 3D Vertebrae and Spinal Cord Models from CT and STIR-MRI Images. , 2013, , .		1
75	Multi-attributed Dictionary Learning for Sparse Coding. , 2013, , .		6
76	Efficient vehicle detection with adaptive scan based on perspective geometry. , 2013, , .		2
77	Negative-voting and class ranking based on local discriminant embedding for image retrieval. , 2013, , .		0
78	Novel 3D video conversion from down-sampled stereo video. , 2013, , .		0
79	Fast image alignment with Fourier moment matching on GPU. , 2013, , .		1
80	Integrating eye tracking and motion sensor on mobile phone for interactive 3D display. , 2013, , .		2
81	Search Space Reduction in Pedestrian Detection for Driver Assistance System Based on Projective Geometry. Smart Innovation, Systems and Technologies, 2013, , 269-278.	0.5	1
82	Parallelization of Belief Propagation on Cell Processors for Stereo Vision. Transactions on Embedded Computing Systems, 2012, 11S, 1-15.	2.1	4
83	Parallelized Background Substitution System on a Multi-core Embedded Platform. , 2012, , .		1
84	Real-time correction of wide-angle lens distortion for images with GPU computing. , 2012, , .		5
85	3D Liver Segmentation and Model Reconstruction from CT Images. , 2012, , .		3
86	Parallelized Random Walk algorithm for background substitution on a multi-core embedded platform. , 2012, , .		1
87	Robust kernel-based learning for image-related problems. IET Image Processing, 2012, 6, 795-803.	1.4	2
88	Single-shot person re-identification based on improved Random-Walk pedestrian segmentation. , 2012, , .		7
89	Texture Feature Analysis of Ultrasonic Images with Wryneck. , 2012, , .		0
90	Learning expression kernels for facial expression intensity estimation. , 2012, , .		8

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91	A Flexible PCB Inspection System Based on Statistical Learning. Journal of Signal Processing Systems, 2012, 67, 279-290.	1.4	21
92	Spatio-Temporally Consistent Novel View Synthesis Algorithm From Video-Plus-Depth Sequences for Autostereoscopic Displays. IEEE Transactions on Broadcasting, 2011, 57, 523-532.	2.5	40
93	Fast H.264 Encoding Based on Statistical Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1304-1315.	5.6	20
94	Robust 3D object pose estimation from a single 2D image. , 2011, , .		4
95	Parallelized Face Based RMS System on a Multi-core Embedded Computing Platform. , 2011, , .		2
96	Parallelization of a Bokeh application on embedded multicore DSP systems. , 2011, , .		1
97	Accurate depth map estimation from video via MRF optimization. , 2011, , .		7
98	Detecting moving objects from dynamic background with shadow removal. , 2011, , .		13
99	A learning-based contrarian trading strategy via a dual-classifier model. ACM Transactions on Intelligent Systems and Technology, 2011, 2, 1-20.	2.9	6
100	Reconstructing 3D Face Model with Associated Expression Deformation from a Single Face Image via Constructing a Low-Dimensional Expression Deformation Manifold. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 2115-2121.	9.7	25
101	Bipartite Polar Classification for Surface Reconstruction. Computer Graphics Forum, 2011, 30, 2003-2010.	1.8	8
102	A novel robust kernel for visual learning problems. Neurocomputing, 2011, 74, 708-719.	3.5	0
103	Compressibility-Aware Media Retargeting With Structure Preserving. IEEE Transactions on Image Processing, 2011, 20, 855-865.	6.0	15
104	An Orientation Inference Framework for Surface Reconstruction From Unorganized Point Clouds. IEEE Transactions on Image Processing, 2011, 20, 762-775.	6.0	11
105	Support of software framework for embedded multi-core systems with Android environments. , 2011, , .		3
106	From co-saliency to co-segmentation: An efficient and fully unsupervised energy minimization model. , 2011, , .		159
107	Wide-angle distortion correction by Hough transform and gradient estimation. , 2011, , .		8
108	Learning component-level sparse representation using histogram information for image classification. , 2011, , .		5

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109	CT-MR Image Registration in 3D K-Space Based on Fourier Moment Matching. Lecture Notes in Computer Science, 2011, , 299-310.	1.0	8
110	Fusing generic objectness and visual saliency for salient object detection. , 2011, , .		92
111	People Localization in a Camera Network Combining Background Subtraction and Scene-Aware Human Detection. Lecture Notes in Computer Science, 2011, , 151-160.	1.0	8
112	Pedestrian Image Segmentation via Shape-Prior Constrained Random Walks. Lecture Notes in Computer Science, 2011, , 215-226.	1.0	6
113	Recovering Depth Map from Video with Moving Objects. Lecture Notes in Computer Science, 2011, , 335-346.	1.0	0
114	Binary Orientation Trees for Volume and Surface Reconstruction from Unoriented Point Clouds. Computer Graphics Forum, 2010, 29, 2011-2019.	1.8	14
115	Manifold-Based 3D Face Caricature Generation with Individualized Facial Feature Extraction. Computer Graphics Forum, 2010, 29, 2161-2168.	1.8	2
116	A novel structure-from-motion strategy for refining depth map estimation and multi-view synthesis in 3DTV. , 2010, , .		3
117	MRI motion artifact correction based on spectral extrapolation with generalized series. , 2010, , .		1
118	Fingerprint compression: An adaptive and fast DCT-based approach. , 2010, , .		1
119	Image compressibility assessment and the application of structure-preserving image retargeting. , 2010, , .		0
120	A learning-based system for generating exaggerative caricature from face images with expression. , 2010, , .		1
121	Robust Fourier-Based Image Alignment with Gradient Complex Image. , 2010, , .		2
122	Support of Android lab modules for embedded system curriculum. , 2010, , .		7
123	An Optical Flow-Based Approach to Robust Face Recognition Under Expression Variations. IEEE Transactions on Image Processing, 2010, 19, 233-240.	6.0	38
124	Learning spatial weighting via quadratic programming for facial expression analysis. , 2010, , .		4
125	Accurate Facial Feature Localization on Expressional Face Images Based on a Graphical Model Approach. Lecture Notes in Computer Science, 2010, , 672-681.	1.0	0
126	Image deblurring by exploiting inherent bi-level regions. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
127	Efficient multiple virtual view generation based on reduced depth stereo image for advanced autostereoscopic displays. , 2009, , .		1
128	A hierarchical image kernel with application to pedestrian identification for video surveillance. , 2009, , .		1
129	Expression-Invariant Face Recognition With Constrained Optical Flow Warping. IEEE Transactions on Multimedia, 2009, 11, 600-610.	5.2	27
130	Face detection directly from h.264 compressed video with convolutional neural network. , 2009, , .		3
131	2D expression-invariant face recognition with constrained optical flow. , 2009, , .		2
132	Efficient NCC-Based Image Matching Based on Novel Hierarchical Bounds. Lecture Notes in Computer Science, 2009, , 807-815.	1.0	3
133	A novel color-context descriptor and its applications. , 2009, , .		0
134	Geodesic tree-based dynamic programming for fast stereo reconstruction. , 2009, , .		2
135	Surface simplification by image retargeting. , 2009, , .		1
136	Robust surface reconstruction from defective point clouds by using orientation inference and volumetric regularization. , 2009, , .		0
137	Learning-Based Vertebra Detection and Iterative Normalized-Cut Segmentation for Spinal MRI. IEEE Transactions on Medical Imaging, 2009, 28, 1595-1605.	5.4	143
138	Creating MPU implicit surfaces from unoriented point sets with orientation inference. Visual Computer, 2009, 25, 391-399.	2.5	1
139	A consensus sampling technique for fast and robust model fitting. Pattern Recognition, 2009, 42, 1318-1329.	5.1	33
140	Fast JND-Based Video Carving With GPU Acceleration for Real-Time Video Retargeting. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 1588-1597.	5.6	38
141	Fast structure-preserving image retargeting. , 2009, , .		16
142	Integrated Expression-Invariant Face Recognition with Constrained Optical Flow. Lecture Notes in Computer Science, 2009, , 702-713.	1.0	1
143	Learning partially-observed hidden conditional random fields for facial expression recognition. , 2009, , .		27
144	A novel robust kernel for applications to images. , 2009, , .		0

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145	Fast multi-reference motion estimation via statistical learning for H.264/AVC. , 2009, , .		4
146	Spatio-temporally Consistent Multi-view Video Synthesis for Autostereoscopic Displays. Lecture Notes in Computer Science, 2009, , 532-542.	1.0	7
147	Learning partially-observed hidden conditional random fields for facial expression recognition. , 2009, , .		0
148	Compensation of motion artifacts in MRI via graph-based optimization. , 2009, , .		0
149	Reconstructing 3D Shape, Albedo and Illumination from a Single Face Image. Computer Graphics Forum, 2008, 27, 1729-1736.	1.8	0
150	Image-based three-dimensional model reconstruction for Chinese treasure“Jadeite Cabbage with Insects. Computers and Graphics, 2008, 32, 682-694.	1.4	3
151	Video-based face recognition based on view synthesis from 3D face model reconstructed from a single image. , 2008, , .		2
152	3D non-rigid registration for MPU implicit surfaces. , 2008, , .		1
153	Expressional face image analysis with constrained optical flow. , 2008, , .		2
154	A statistical learning approach to vertebra detection and segmentation from spinal MRI. , 2008, , .		1
155	Fast Template Matching Based on Normalized Cross Correlation With Adaptive Multilevel Winner Update. IEEE Transactions on Image Processing, 2008, 17, 2227-2235.	6.0	132
156	Image deblurring with blur kernel estimation from a reference image patch. , 2008, , .		3
157	A hybrid motion estimation approach based on normalized cross correlation for video compression. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	5
158	Silhouette-based camera calibration from sparse views under circular motion. , 2008, , .		1
159	A novel robust kernel for appearance-based learning. , 2008, , .		4
160	Improved novel view synthesis from depth image with large baseline. , 2008, , .		39
161	Fast Optimal Motion Estimation Based on Gradient-Based Adaptive Multilevel Successive Elimination. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 263-267.	5.6	13
162	Fast Intermode Decision Via Statistical Learning for H.264 Video Coding. , 2008, , 329-337.		2

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163	Real-Time Video Surveillance Based on Combining Foreground Extraction and Human Detection. , 2008, , 70-79.		3
164	Fast Template Matching by Applying Winner-Update on Walsh-Hadamard Domain. , 2007, , .		5
165	Adaptive Multi-Reference Downhill Simplex Search Based on Spatial-Temporal Motion Smoothness Criterion. , 2007, , .		2
166	Efficient Intra Mode Selection using Image Structure Tensor for H.264/AVC. , 2007, , .		10
167	Adaptive Foreground Object Extraction for Real-Time Video Surveillance with Lighting Variations. , 2007, , .		25
168	A Robust Kernel Based on Robust ℓ_1 -Function. , 2007, , .		1
169	Generalized MPU Implicits Using Belief Propagation. International Conference on 3-D Digital Imaging and Modeling, Proceedings, 2007, , .	0.0	2
170	A Partition-of-Unity Based Algorithm for Implicit Surface Reconstruction Using Belief Propagation. , 2007, , .		6
171	Iterative Blind Image Motion Deblurring via Learning a No-Reference Image Quality Measure. , 2007, , .		3
172	Fast Multi-reference Motion Estimation via Enhanced Downhill Simplex Search. Journal of Signal Processing Systems, 2007, 46, 75-86.	1.0	0
173	Hybrid image matching combining Hausdorff distance with normalized gradient matching. Pattern Recognition, 2007, 40, 1173-1181.	5.1	42
174	Reproducibility Analysis of Event-Related fMRI Experiments Using Laguerre Polynomials. Lecture Notes in Computer Science, 2007, , 126-134.	1.0	1
175	Efficient Normalized Cross Correlation Based on Adaptive Multilevel Successive Elimination. , 2007, , 638-646.		3
176	Expression-Invariant Face Recognition with Accurate Optical Flow. , 2007, , 78-87.		4
177	Fast Normalized Cross Correlation Based on Adaptive Multilevel Winner Update. , 2007, , 413-416.		2
178	Camera Calibration from Silhouettes Under Incomplete Circular Motion with a Constant Interval Angle. , 2007, , 106-115.		1
179	Efficient Intra Mode Decision Via Statistical Learning. , 2007, , 148-157.		2
180	Robust and Efficient Image Alignment Based on Relative Gradient Matching. IEEE Transactions on Image Processing, 2006, 15, 2936-2943.	6.0	22

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181	Modified Winner Update with Adaptive Block Partition for Fast Motion Estimation. , 2006, , .		1
182	Automatic Multi-Layer Red-Eye Detection. , 2006, , .		1
183	Winner Update on Walsh-Hadamard Domain for Fast Motion Estimation. , 2006, , .		0
184	Robust local intervertebral disc alignment for spinal MRI. , 2006, , .		2
185	A robust real-time video stabilization algorithm. Journal of Visual Communication and Image Representation, 2006, 17, 659-673.	1.7	58
186	Improved AdaBoost-based image retrieval with relevance feedback via paired feature learning. Multimedia Systems, 2006, 12, 14-26.	3.0	19
187	Temporally Integrated Pedestrian Detection from Non-stationary Video. Lecture Notes in Computer Science, 2006, , 188-197.	1.0	0
188	Fast Multi-Reference Frame Motion Estimation via Downhill Simplex Search. , 2006, , .		6
189	Learning-Based Interactive Video Retrieval System. , 2006, , .		6
190	Fast and Optimal Block Motion Estimation via Adaptive Successive Elimination. , 2006, , .		2
191	Adaptive Object Tracking with Online Statistical Model Update. Lecture Notes in Computer Science, 2006, , 363-372.	1.0	0
192	Three-dimensional model reconstruction for treasures of jadeite material from uncalibrated image sequences. , 2005, , .		0
193	Accurate optical flow computation under non-uniform brightness variations. Computer Vision and Image Understanding, 2005, 97, 315-346.	3.0	42
194	Hausdorff distance based PCB inspection system with defect classification. , 2005, , .		4
195	An adaptive window width/center adjustment system with online training capabilities for MR images. Artificial Intelligence in Medicine, 2005, 33, 89-101.	3.8	7
196	Optical PCB inspection system based on Hausdorff distance. , 2005, , .		5
197	Improved AdaBoost-Based Image Retrieval with Relevance Feedback via Paired Feature Learning. Lecture Notes in Computer Science, 2005, , 660-670.	1.0	1
198	Computation of optical flow under non-uniform brightness variations. Pattern Recognition Letters, 2004, 25, 885-892.	2.6	7

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199	Robust 3D object model reconstruction from video. , 2004, , .		0
200	Robust Face Image Matching under Illumination Variations. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.0	22
201	Robust face recognition under lighting variations. , 2004, , .		2
202	Robust camera motion estimation and classification for video analysis. , 2004, , .		3
203	A dual image approach for bias field correction in magnetic resonance imaging. Magnetic Resonance Imaging, 2003, 21, 121-125.	1.0	26
204	A PDM based approach to recovering 3D face pose and structure from video. , 2003, , .		0
205	A reliable face recognition algorithm based on matching normalized gradients. , 2003, , .		0
206	Integrated video shot segmentation algorithm. , 2003, , .		9
207	Learning a statistical 3D geometric head model. , 2003, , .		2
208	A Hybrid Image Alignment System for Fast and Precise Pattern Localization. Real Time Imaging, 2002, 8, 23-33.	1.6	24
209	A Motion-Aided Video Shot Segmentation Algorithm. Lecture Notes in Computer Science, 2002, , 336-343.	1.0	3
210	<title>Efficient hybrid search algorithm for robust and accurate image alignment under nonuniform illumination variations</title>. , 2001, 4301, 154.		0
211	<title>New video shot change detection algorithm based on accurate motion and illumination estimation</title>. , 2001, , .		6
212	<title>Three-dimensional face model creation from video</title>. , 2001, , .		1
213	Novel illumination compensation algorithm for industrial inspection. Journal of Electronic Imaging, 2001, 10, 359.	0.5	6
214	Robust Image Matching under Partial Occlusion and Spatially Varying Illumination Change. Computer Vision and Image Understanding, 2000, 78, 84-98.	3.0	39
215	A hierarchical neural network algorithm for robust and automatic windowing of MR images. Artificial Intelligence in Medicine, 2000, 19, 97-119.	3.8	15
216	A new variational shape-from-orientation approach to correcting intensity inhomogeneities in magnetic resonance images. Medical Image Analysis, 1999, 3, 409-424.	7.0	38

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217	A novel local PCA-Based method for detecting activation signals in fMRI. Magnetic Resonance Imaging, 1999, 17, 827-836.	1.0	45
218	Efficient hybrid search for visual reconstruction problems. Image and Vision Computing, 1999, 17, 37-49.	2.7	11
219	An Accurate and Fast Pattern Localization Algorithm for Automated Visual Inspection. Real Time Imaging, 1999, 5, 3-14.	1.6	10
220	<title>FLASH system for fast and accurate pattern localization</title>. , 1999, , .		4
221	Reliable and Efficient Computation of Optical Flow. International Journal of Computer Vision, 1998, 29, 87-105.	10.9	74
222	Generalized Capacitance Matrix Theorems and Algorithm for Solving Linear Systems. SIAM Journal of Scientific Computing, 1998, 19, 1024-1045.	1.3	1
223	<title>Robust and automatic adjustment of display-window width and center for MR images</title>. , 1998, 3340, 105.		2
224	<title>Novel local PCA-based method for detecting activation signals in fMRI</title>. , 1998, 3337, 327.		1
225	A fast Gibbs sampler for synthesizing constrained fractals. IEEE Transactions on Visualization and Computer Graphics, 1997, 3, 337-351.	2.9	10
226	Physically based adaptive preconditioning for early vision. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1997, 19, 594-607.	9.7	13
227	Fast numerical algorithms for fitting multiresolution hybrid shape models to brain MRI. Medical Image Analysis, 1997, 1, 343-362.	7.0	11
228	Sherman-morrison-woodbury-formula-based algorithms for the surface smoothing problem. Linear Algebra and Its Applications, 1997, 265, 203-229.	0.4	10
229	A generalized depth estimation algorithm with a single image. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1992, 14, 405-411.	9.7	84
230	Estimation of 3-D translational motion parameters via hadamard transform. Pattern Recognition Letters, 1988, 8, 341-345.	2.6	9
231	Adaptive medical image visualization based on hierarchical neural networks and intelligent decision fusion. , 0, , .		1
232	A new variational shape-from-orientation approach to correcting intensity inhomogeneities in MR images. , 0, , .		7
233	Robust and efficient image alignment with spatially varying illumination models. , 0, , .		7
234	An integrated approach to 3D face model reconstruction from video. , 0, , .		13

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235	Robust face matching under different lighting conditions. , 0, , .		8
236	Reliable image matching based on relative gradients. , 0, , .		2
237	Real-time face detection in color video. , 0, , .		3
238	A robust and efficient video stabilization algorithm. , 0, , .		23
239	Detecting Faces from Color Video by Using Paired Wavelet Features. , 0, , .		10
240	An accurate and adaptive optical flow estimation algorithm. , 0, , .		0
241	Reliable image matching via modified Hausdorff distance with normalized gradient consistency measure. , 0, , .		4
242	Audio-Visual Information Fusion for SVM-Based Biometric Verification. , 0, , .		2
243	Locating Facial Feature Points Using Support Vector Machines. , 0, , .		4
244	Learning-based video fast-pan detection. , 0, , .		0
245	Intelligent home video management system. , 0, , .		2