

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	From co-saliency to co-segmentation: An efficient and fully unsupervised energy minimization model. , 2011, , .		159
2	Learning-Based Vertebra Detection and Iterative Normalized-Cut Segmentation for Spinal MRI. IEEE Transactions on Medical Imaging, 2009, 28, 1595-1605.	5.4	143
3	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
4	A Compact Deep Learning Model for Robust Facial Expression Recognition. , 2018, , .		107
5	Fusing generic objectness and visual saliency for salient object detection. , 2011, , .		92
6	AugGAN: Cross Domain Adaptation with GAN-Based Data Augmentation. Lecture Notes in Computer Science, 2018, , 731-744.	1.0	89
7	Driver Drowsiness Detection via a Hierarchical Temporal Deep Belief Network. Lecture Notes in Computer Science, 2017, , 117-133.	1.0	88
8	A generalized depth estimation algorithm with a single image. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1992, 14, 405-411.	9.7	84
9	Reliable and Efficient Computation of Optical Flow. International Journal of Computer Vision, 1998, 29, 87-105.	10.9	74
10	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
11	Emotion-Preserving Representation Learning via Generative Adversarial Network for Multi-View Facial Expression Recognition. , 2018, , .		62
12	A robust real-time video stabilization algorithm. Journal of Visual Communication and Image Representation, 2006, 17, 659-673.	1.7	58
13	A novel local PCA-Based method for detecting activation signals in fMRI. Magnetic Resonance Imaging, 1999, 17, 827-836.	1.0	45
14	Accurate optical flow computation under non-uniform brightness variations. Computer Vision and Image Understanding, 2005, 97, 315-346.	3.0	42
15	Hybrid image matching combining Hausdorff distance with normalized gradient matching. Pattern Recognition, 2007, 40, 1173-1181.	5.1	42
16	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
17	Robust Image Matching under Partial Occlusion and Spatially Varying Illumination Change. Computer Vision and Image Understanding, 2000, 78, 84-98.	3.0	39
18	Improved novel view synthesis from depth image with large baseline. , 2008, , .		39

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19	A new variational shape-from-orientation approach to correcting intensity inhomogeneities in magnetic resonance images. <i>Medical Image Analysis</i> , 1999, 3, 409-424.	7.0	38
20	Fast JND-Based Video Carving With GPU Acceleration for Real-Time Video Retargeting. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2009, 19, 1588-1597.	5.6	38
21	An Optical Flow-Based Approach to Robust Face Recognition Under Expression Variations. <i>IEEE Transactions on Image Processing</i> , 2010, 19, 233-240.	6.0	38
22	3D object detection and pose estimation from depth image for robotic bin picking. , 2014, , .		35
23	Multi-task CNN for restoring corrupted fingerprint images. <i>Pattern Recognition</i> , 2020, 101, 107203.	5.1	34
24	A consensus sampling technique for fast and robust model fitting. <i>Pattern Recognition</i> , 2009, 42, 1318-1329.	5.1	33
25	Expression-Invariant Face Recognition With Constrained Optical Flow Warping. <i>IEEE Transactions on Multimedia</i> , 2009, 11, 600-610.	5.2	27
26	Learning partially-observed hidden conditional random fields for facial expression recognition. , 2009, , .		27
27	Image captioning by incorporating affective concepts learned from both visual and textual components. <i>Neurocomputing</i> , 2019, 328, 56-68.	3.5	27
28	Accurate and robust face recognition from RGB-D images with a deep learning approach. , 2016, , .		27
29	A dual image approach for bias field correction in magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2003, 21, 121-125.	1.0	26
30	Adaptive Foreground Object Extraction for Real-Time Video Surveillance with Lighting Variations. , 2007, , .		25
31	Reconstructing 3D Face Model with Associated Expression Deformation from a Single Face Image via Constructing a Low-Dimensional Expression Deformation Manifold. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011, 33, 2115-2121.	9.7	25
32	Multi-Scale Patch-Based Representation Learning for Image Anomaly Detection and Segmentation. , 2022, , .		25
33	A Hybrid Image Alignment System for Fast and Precise Pattern Localization. <i>Real Time Imaging</i> , 2002, 8, 23-33.	1.6	24
34	A novel gradient attenuation Richardsonâ€“Lucy algorithm for image motion deblurring. <i>Signal Processing</i> , 2014, 103, 399-414.	2.1	24
35	A robust and efficient video stabilization algorithm. , 0, , .		23
36	Automatic Distortion Correction of Endoscopic Images Captured With Wide-Angle Zoom Lens. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 2603-2613.	2.5	23

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37	A deep learning approach towards pore extraction for high-resolution fingerprint recognition. , 2017, , .		23
38	Robust Face Image Matching under Illumination Variations. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.0	22
39	Robust and Efficient Image Alignment Based on Relative Gradient Matching. IEEE Transactions on Image Processing, 2006, 15, 2936-2943.	6.0	22
40	A Flexible PCB Inspection System Based on Statistical Learning. Journal of Signal Processing Systems, 2012, 67, 279-290.	1.4	21
41	Fast H.264 Encoding Based on Statistical Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1304-1315.	5.6	20
42	Improved AdaBoost-based image retrieval with relevance feedback via paired feature learning. Multimedia Systems, 2006, 12, 14-26.	3.0	19
43	Indoor Scene Layout Estimation from a Single Image. , 2018, , .		19
44	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
45	Fast structure-preserving image retargeting. , 2009, , .		16
46	A hierarchical neural network algorithm for robust and automatic windowing of MR images. Artificial Intelligence in Medicine, 2000, 19, 97-119.	3.8	15
47	Compressibility-Aware Media Retargeting With Structure Preserving. IEEE Transactions on Image Processing, 2011, 20, 855-865.	6.0	15
48	Face Verification With Local Sparse Representation. IEEE Signal Processing Letters, 2013, 20, 177-180.	2.1	15
49	Binary Orientation Trees for Volume and Surface Reconstruction from Unoriented Point Clouds. Computer Graphics Forum, 2010, 29, 2011-2019.	1.8	14
50	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
51	Physically based adaptive preconditioning for early vision. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1997, 19, 594-607.	9.7	13
52	An integrated approach to 3D face model reconstruction from video. , 0, , .		13
53	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
54	Detecting moving objects from dynamic background with shadow removal. , 2011, , .		13

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55	Learning to Match 2D Images and 3D LIDAR Point Clouds for Outdoor Augmented Reality. , 2020, , .		13
56	Real-time video stitching. , 2017, , .		12
57	Fast numerical algorithms for fitting multiresolution hybrid shape models to brain MRI. Medical Image Analysis, 1997, 1, 343-362.	7.0	11
58	Efficient hybrid search for visual reconstruction problems. Image and Vision Computing, 1999, 17, 37-49.	2.7	11
59	An Orientation Inference Framework for Surface Reconstruction From Unorganized Point Clouds. IEEE Transactions on Image Processing, 2011, 20, 762-775.	6.0	11
60	Attention-Based Deep Metric Learning for Near-Duplicate Video Retrieval. , 2021, , .		11
61	ByeGlassesGAN: Identity Preserving Eyeglasses Removal for Face Images. Lecture Notes in Computer Science, 2020, , 243-258.	1.0	11
62	A fast Gibbs sampler for synthesizing constrained fractals. IEEE Transactions on Visualization and Computer Graphics, 1997, 3, 337-351.	2.9	10
63	Sherman-morrison-woodbury-formula-based algorithms for the surface smoothing problem. Linear Algebra and Its Applications, 1997, 265, 203-229.	0.4	10
64	An Accurate and Fast Pattern Localization Algorithm for Automated Visual Inspection. Real Time Imaging, 1999, 5, 3-14.	1.6	10
65	Detecting Faces from Color Video by Using Paired Wavelet Features. , 0, , .		10
66	Efficient Intra Mode Selection using Image Structure Tensor for H.264/AVC. , 2007, , .		10
67	Learning spatial weighting for facial expression analysis via constrained quadratic programming. Pattern Recognition, 2013, 46, 3103-3116.	5.1	10
68	Estimation of 3-D translational motion parameters via hadamard transform. Pattern Recognition Letters, 1988, 8, 341-345.	2.6	9
69	Integrated video shot segmentation algorithm. , 2003, , .		9
70	Object Detection in Curved Space for 360-Degree Camera. , 2019, , .		9
71	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
72	Robust face matching under different lighting conditions. , 0, , .		8

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73	Bipartite Polar Classification for Surface Reconstruction. Computer Graphics Forum, 2011, 30, 2003-2010.	1.8	8
74	Wide-angle distortion correction by Hough transform and gradient estimation. , 2011, , .		8
75	CT-MR Image Registration in 3D K-Space Based on Fourier Moment Matching. Lecture Notes in Computer Science, 2011, , 299-310.	1.0	8
76	Learning expression kernels for facial expression intensity estimation. , 2012, , .		8
77	Human Action Recognition Based on Temporal Pose CNN and Multi-dimensional Fusion. Lecture Notes in Computer Science, 2019, , 426-440.	1.0	8
78	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
79	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
80	A new variational shape-from-orientation approach to correcting intensity inhomogeneities in MR images. , 0, , .		7
81	Robust and efficient image alignment with spatially varying illumination models. , 0, , .		7
82	Computation of optical flow under non-uniform brightness variations. Pattern Recognition Letters, 2004, 25, 885-892.	2.6	7
83	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
84	Support of Android lab modules for embedded system curriculum. , 2010, , .		7
85	Accurate depth map estimation from video via MRF optimization. , 2011, , .		7
86	Single-shot person re-identification based on improved Random-Walk pedestrian segmentation. , 2012, , .		7
87	Learning Component-Level Sparse Representation for Image and Video Categorization. IEEE Transactions on Image Processing, 2013, 22, 4775-4787.	6.0	7
88	Ground Camera Images and UAV 3D Model Registration for Outdoor Augmented Reality. , 2019, , .		7
89	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
90	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

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91	Spatio-temporally Consistent Multi-view Video Synthesis for Autostereoscopic Displays. Lecture Notes in Computer Science, 2009, , 532-542.	1.0	7
92	<title>New video shot change detection algorithm based on accurate motion and illumination estimation</title>. , 2001, , .		6
93	Novel illumination compensation algorithm for industrial inspection. Journal of Electronic Imaging, 2001, 10, 359.	0.5	6
94	Fast Multi-Reference Frame Motion Estimation via Downhill Simplex Search. , 2006, , .		6
95	Learning-Based Interactive Video Retrieval System. , 2006, , .		6
96	A Partition-of-Unity Based Algorithm for Implicit Surface Reconstruction Using Belief Propagation. , 2007, , .		6
97	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
98	Multi-attributed Dictionary Learning for Sparse Coding. , 2013, , .		6
99	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
100	Stylized-Colorization for Line Arts. , 2021, , .		6
101	Pedestrian Image Segmentation via Shape-Prior Constrained Random Walks. Lecture Notes in Computer Science, 2011, , 215-226.	1.0	6
102	Optical PCB inspection system based on Hausdorff distance. , 2005, , .		5
103	Fast Template Matching by Applying Winner-Update on Walsh-Hadamard Domain. , 2007, , .		5
104	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
105	Learning component-level sparse representation using histogram information for image classification. , 2011, , .		5
106	Real-time correction of wide-angle lens distortion for images with GPU computing. , 2012, , .		5
107	Human segmentation from video by combining random walks with human shape prior adaption. , 2013, , .		5
108	Depth image super-resolution via multi-frame registration and deep learning. , 2016, , .		5

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109	Fast Vehicle Detector for Autonomous Driving. , 2017, , .		5
110	<title>FLASH system for fast and accurate pattern localization</title>. , 1999, , .		4
111	Hausdorff distance based PCB inspection system with defect classification. , 2005, , .		4
112	Reliable image matching via modified Hausdorff distance with normalized gradient consistency measure. , 0, , .		4
113	Locating Facial Feature Points Using Support Vector Machines. , 0, , .		4
114	A novel robust kernel for appearance-based learning. , 2008, , .		4
115	Fast multi-reference motion estimation via statistical learning for H.264/AVC. , 2009, , .		4
116	Learning spatial weighting via quadratic programming for facial expression analysis. , 2010, , .		4
117	Robust 3D object pose estimation from a single 2D image. , 2011, , .		4
118	Parallelization of Belief Propagation on Cell Processors for Stereo Vision. Transactions on Embedded Computing Systems, 2012, 11S, 1-15.	2.1	4
119	Single Image Super-Resolution Based on Local Self-Similarity. , 2013, , .		4
120	Rolling shutter correction for video with large depth of field. , 2013, , .		4
121	3D Spinal Cord and Nerves Segmentation from STIR-MRI. Smart Innovation, Systems and Technologies, 2013, , 383-392.	0.5	4
122	Automatic Generation of Photorealistic Training Data for Detection of Industrial Components. , 2019, , .		4
123	Expression-Invariant Face Recognition with Accurate Optical Flow. , 2007, , 78-87.		4
124	DeepRoom: 3D Room Layout and Pose Estimation from a Single Image. Lecture Notes in Computer Science, 2020, , 719-733.	1.0	4
125	Real-time face detection in color video. , 0, , .		3
126	Iterative Blind Image Motion Deblurring via Learning a No-Reference Image Quality Measure. , 2007, , .		3

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127	Image-based three-dimensional model reconstruction for Chinese treasure“Jadeite Cabbage with Insects. Computers and Graphics, 2008, 32, 682-694.	1.4	3
128	Image deblurring with blur kernel estimation from a reference image patch. , 2008, , .		3
129	Face detection directly from h.264 compressed video with convolutional neural network. , 2009, , .		3
130	Efficient NCC-Based Image Matching Based on Novel Hierarchical Bounds. Lecture Notes in Computer Science, 2009, , 807-815.	1.0	3
131	A novel structure-from-motion strategy for refining depth map estimation and multi-view synthesis in 3DTV. , 2010, , .		3
132	Support of software framework for embedded multi-core systems with Android environments. , 2011, , .		3
133	3D Liver Segmentation and Model Reconstruction from CT Images. , 2012, , .		3
134	Multi-attribute sparse representation with group constraints for face recognition under different variations. , 2013, , .		3
135	Online facial expression recognition based on combining texture and geometric information. , 2014, , .		3
136	Using line consistency to estimate 3D indoor Manhattan scene layout from a single image. , 2015, , .		3
137	Non-rigid registration of images with geometric and photometric deformation by using local affine Fourier-moment matching. , 2015, , .		3
138	Deep Neural Networks for Accurate Iris Recognition. , 2017, , .		3
139	i-Siam: Improving Siamese Tracker with Distractors Suppression and Long-Term Strategies. , 2019, , .		3
140	Efficient Normalized Cross Correlation Based on Adaptive Multilevel Successive Elimination. , 2007, , 638-646.		3
141	A Motion-Aided Video Shot Segmentation Algorithm. Lecture Notes in Computer Science, 2002, , 336-343.	1.0	3
142	Robust camera motion estimation and classification for video analysis. , 2004, , .		3
143	Real-Time Video Surveillance Based on Combining Foreground Extraction and Human Detection. , 2008, , 70-79.		3
144	High-Accuracy RGB-D Face Recognition via Segmentation-Aware Face Depth Estimation and Mask-Guided Attention Network. , 2021, , .		3

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145	<title>Robust and automatic adjustment of display-window width and center for MR images</title>. , 1998, 3340, 105.		2
146	Reliable image matching based on relative gradients. , 0, , .		2
147	Learning a statistical 3D geometric head model. , 2003, , .		2
148	Robust face recognition under lighting variations. , 2004, , .		2
149	Audio-Visual Information Fusion for SVM-Based Biometric Verification. , 0, , .		2
150	Intelligent home video management system. , 0, , .		2
151	Robust local intervertebral disc alignment for spinal MRI. , 2006, , .		2
152	Fast and Optimal Block Motion Estimation via Adaptive Successive Elimination. , 2006, , .		2
153	Adaptive Multi-Reference Downhill Simplex Search Based on Spatial-Temporal Motion Smoothness Criterion. , 2007, , .		2
154	Generalized MPU Implicits Using Belief Propagation. International Conference on 3-D Digital Imaging and Modeling, Proceedings, 2007, , .	0.0	2
155	Video-based face recognition based on view synthesis from 3D face model reconstructed from a single image. , 2008, , .		2
156	Expressional face image analysis with constrained optical flow. , 2008, , .		2
157	Image deblurring by exploiting inherent bi-level regions. , 2009, , .		2
158	2D expression-invariant face recognition with constrained optical flow. , 2009, , .		2
159	Geodesic tree-based dynamic programming for fast stereo reconstruction. , 2009, , .		2
160	Manifold-Based 3D Face Caricature Generation with Individualized Facial Feature Extraction. Computer Graphics Forum, 2010, 29, 2161-2168.	1.8	2
161	Robust Fourier-Based Image Alignment with Gradient Complex Image. , 2010, , .		2
162	Parallelized Face Based RMS System on a Multi-core Embedded Computing Platform. , 2011, , .		2

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163	Robust kernel-based learning for image-related problems. IET Image Processing, 2012, 6, 795-803.	1.4	2
164	Design of vehicle detection methods with OpenCL programming on multi-core systems. , 2013, , .		2
165	Efficient vehicle detection with adaptive scan based on perspective geometry. , 2013, , .		2
166	Integrating eye tracking and motion sensor on mobile phone for interactive 3D display. , 2013, , .		2
167	Iterative depth recovery for multi-view video synthesis from stereo videos. , 2014, , .		2
168	3D hand skeleton model estimation from a depth image. , 2015, , .		2
169	Correcting radial and perspective distortion by using face shape information. , 2015, , .		2
170	Multi-scale energy optimization for object proposal generation. Multimedia Tools and Applications, 2017, 76, 10481-10499.	2.6	2
171	A Deep Learning Approach to Appearance-Based Gaze Estimation under Head Pose Variations. , 2017, , .		2
172	Fast Normalized Cross Correlation Based on Adaptive Multilevel Winner Update. , 2007, , 413-416.		2
173	Video synthesis from stereo videos with iterative depth refinement. Journal of Visual Communication and Image Representation, 2017, 47, 48-61.	1.7	2
174	Efficient Intra Mode Decision Via Statistical Learning. , 2007, , 148-157.		2
175	Fast Intermode Decision Via Statistical Learning for H.264 Video Coding. , 2008, , 329-337.		2
176	Generalized Capacitance Matrix Theorems and Algorithm for Solving Linear Systems. SIAM Journal of Scientific Computing, 1998, 19, 1024-1045.	1.3	1
177	Adaptive medical image visualization based on hierarchical neural networks and intelligent decision fusion. , 0, , .		1
178	<title>Novel local PCA-based method for detecting activation signals in fMRI</title>. , 1998, 3337, 327.		1
179	<title>Three-dimensional face model creation from video</title>. , 2001, , .		1
180	Modified Winner Update with Adaptive Block Partition for Fast Motion Estimation. , 2006, , .		1

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181	Automatic Multi-Layer Red-Eye Detection. , 2006, , .		1
182	A Robust Kernel Based on Robust ℓ_1 -Function. , 2007, , .		1
183	3D non-rigid registration for MPU implicit surfaces. , 2008, , .		1
184	A statistical learning approach to vertebra detection and segmentation from spinal MRI. , 2008, , .		1
185	Silhouette-based camera calibration from sparse views under circular motion. , 2008, , .		1
186	Efficient multiple virtual view generation based on reduced depth stereo image for advanced autostereoscopic displays. , 2009, , .		1
187	A hierarchical image kernel with application to pedestrian identification for video surveillance. , 2009, , .		1
188	Surface simplification by image retargeting. , 2009, , .		1
189	Creating MPU implicit surfaces from unoriented point sets with orientation inference. Visual Computer, 2009, 25, 391-399.	2.5	1
190	Integrated Expression-Invariant Face Recognition with Constrained Optical Flow. Lecture Notes in Computer Science, 2009, , 702-713.	1.0	1
191	MRI motion artifact correction based on spectral extrapolation with generalized series. , 2010, , .		1
192	Fingerprint compression: An adaptive and fast DCT-based approach. , 2010, , .		1
193	A learning-based system for generating exaggerative caricature from face images with expression. , 2010, , .		1
194	Parallelization of a Bokeh application on embedded multicore DSP systems. , 2011, , .		1
195	Parallelized Background Substitution System on a Multi-core Embedded Platform. , 2012, , .		1
196	Parallelized Random Walk algorithm for background substitution on a multi-core embedded platform. , 2012, , .		1
197	Reconstruction of 3D Vertebrae and Spinal Cord Models from CT and STIR-MRI Images. , 2013, , .		1
198	Fast image alignment with Fourier moment matching on GPU. , 2013, , .		1

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199	3D Liver Vessel Reconstruction from CT Images. , 2014, , .		1
200	Novel Facial Expression Recognition by Combining Action Unit Detection with Sparse Representation Classification. , 2015, , .		1
201	Video stabilization with distortion correction for wide-angle lens dashcam. , 2016, , .		1
202	Edge-preserving disparity map estimation from stereo videos for bokeh synthesis. , 2017, , .		1
203	SegmentedFusion: 3D Human Body Reconstruction Using Stitched Bounding Boxes. , 2018, , .		1
204	3D Object Detection from Consecutive Monocular Images. Lecture Notes in Computer Science, 2021, , 453-468.	1.0	1
205	Reproducibility Analysis of Event-Related fMRI Experiments Using Laguerre Polynomials. Lecture Notes in Computer Science, 2007, , 126-134.	1.0	1
206	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
207	Improved AdaBoost-Based Image Retrieval with Relevance Feedback via Paired Feature Learning. Lecture Notes in Computer Science, 2005, , 660-670.	1.0	1
208	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
209	Camera Calibration from Silhouettes Under Incomplete Circular Motion with a Constant Interval Angle. , 2007, , 106-115.		1
210	<title>Efficient hybrid search algorithm for robust and accurate image alignment under nonuniform illumination variations</title>. , 2001, 4301, 154.		0
211	A PDM based approach to recovering 3D face pose and structure from video. , 2003, , .		0
212	A reliable face recognition algorithm based on matching normalized gradients. , 2003, , .		0
213	Robust 3D object model reconstruction from video. , 2004, , .		0
214	An accurate and adaptive optical flow estimation algorithm. , 0, , .		0
215	Three-dimensional model reconstruction for treasures of jadeite material from uncalibrated image sequences. , 2005, , .		0
216	Learning-based video fast-pan detection. , 0, , .		0

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217	Winner Update on Walsh-Hadamard Domain for Fast Motion Estimation. , 2006, , .		0
218	Temporally Integrated Pedestrian Detection from Non-stationary Video. Lecture Notes in Computer Science, 2006, , 188-197.	1.0	0
219	Fast Multi-reference Motion Estimation via Enhanced Downhill Simplex Search. Journal of Signal Processing Systems, 2007, 46, 75-86.	1.0	0
220	Reconstructing 3D Shape, Albedo and Illumination from a Single Face Image. Computer Graphics Forum, 2008, 27, 1729-1736.	1.8	0
221	A novel color-context descriptor and its applications. , 2009, , .		0
222	Robust surface reconstruction from defective point clouds by using orientation inference and volumetric regularization. , 2009, , .		0
223	A novel robust kernel for applications to images. , 2009, , .		0
224	Image compressibility assessment and the application of structure-preserving image retargeting. , 2010, , .		0
225	A novel robust kernel for visual learning problems. Neurocomputing, 2011, 74, 708-719.	3.5	0
226	Texture Feature Analysis of Ultrasonic Images with Wryneck. , 2012, , .		0
227	Negative-voting and class ranking based on local discriminant embedding for image retrieval. , 2013, , .		0
228	Novel 3D video conversion from down-sampled stereo video. , 2013, , .		0
229	A Joint Learning Approach to Face Detection in Wavelet Compressed Domain. Mathematical Problems in Engineering, 2014, 2014, 1-13.	0.6	0
230	Fast 3D Object Alignment from Depth Image with 3D Fourier Moment Matching on GPU. , 2014, , .		0
231	Automatic foreground segmentation from multi-view images with planar background. , 2014, , .		0
232	Exploring Depth Information for Object Segmentation and Detection. , 2014, , .		0
233	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
234	Guest Editorial: Multi-Core Embedded Computing for Signal Processing. Journal of Signal Processing Systems, 2014, 75, 93-94.	1.4	0

#	ARTICLE	IF	CITATIONS
235	Guest editorial: Advances in 3D video processing. Journal of Visual Communication and Image Representation, 2014, 25, 597-598.	1.7	0
236	Lighting estimation from a single image containing multiple planes. , 2016, , .		0
237	Hierarchical Structured Dictionary Learning for image categorization. , 2017, , .		0
238	Audio Tempo Estimation Method Improved by Rhythm Pattern and Data Augmentation. , 2019, , .		0
239	Adaptive Object Tracking with Online Statistical Model Update. Lecture Notes in Computer Science, 2006, , 363-372.	1.0	0
240	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
241	Recovering Depth Map from Video with Moving Objects. Lecture Notes in Computer Science, 2011, , 335-346.	1.0	0
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