

Roberto Cipolla

List of Publications by Year in descending order

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240
papers

26,891
citations

76196

40
h-index

24915

109
g-index

245
all docs

245
docs citations

245
times ranked

18266
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Large-Scale Semantic Visual Localization in 2D Maps. Lecture Notes in Computer Science, 2021, , 273-288.	1.0	0
2	Rotation Equivariant Orientation Estimation for Omnidirectional Localization. Lecture Notes in Computer Science, 2021, , 334-350.	1.0	0
3	PX-NET: Simple and Efficient Pixel-Wise Training of Photometric Stereo Networks. , 2021, , .		21
4	Deep Multi-view Stereo for Dense 3D Reconstruction from Monocular Endoscopic Video. Lecture Notes in Computer Science, 2020, , 774-783.	1.0	12
5	Who Left the Dogs Out? 3D Animal Reconstruction with Expectation Maximization in the Loop. Lecture Notes in Computer Science, 2020, , 195-211.	1.0	33
6	A Differential Approach to Shape from Polarisation: A Level-Set Characterisation. International Journal of Computer Vision, 2019, 127, 1680-1693.	10.9	12
7	A Differential Volumetric Approach to Multi-View Photometric Stereo. , 2019, , .		28
8	Creatures Great and SMAL: Recovering the Shape and Motion of Animals from Video. Lecture Notes in Computer Science, 2019, , 3-19.	1.0	19
9	Multi-task Learning Using Uncertainty to Weigh Losses for Scene Geometry and Semantics. , 2018, , .		533
10	Adaptation of an Expressive Single Speaker Deep Neural Network Speech Synthesis System. , 2018, , .		8
11	MultiNet: Real-time Joint Semantic Reasoning for Autonomous Driving. , 2018, , .		341
12	Expressive visual text to speech and expression adaptation using deep neural networks. , 2017, , .		8
13	SegNet: A Deep Convolutional Encoder-Decoder Architecture for Image Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 2481-2495.	9.7	11,162
14	Showing Different Images to Observers by Using Difference in Retinal Impulse Response. Lecture Notes in Computer Science, 2017, , 718-729.	1.0	0
15	Semi-Calibrated Near Field Photometric Stereo. , 2017, , .		23
16	Geometric Loss Functions for Camera Pose Regression with Deep Learning. , 2017, , .		465
17	Large Scale Labelled Video Data Augmentation for Semantic Segmentation in Driving Scenarios. , 2017, , .		21
18	Deep Roots: Improving CNN Efficiency with Hierarchical Filter Groups. , 2017, , .		160

#	ARTICLE	IF	CITATIONS
19	A Differential Approach to Shape from Polarization. , 2017, , .		5
20	Indirect deep structured learning for 3D human body shape and pose prediction. , 2017, , .		57
21	Measuring Refractive Properties of Human Vision by Showing 4D Light Fields. Lecture Notes in Computer Science, 2017, , 522-533.	1.0	0
22	Refining Architectures of Deep Convolutional Neural Networks. , 2016, , .		15
23	Understanding RealWorld Indoor Scenes with Synthetic Data. , 2016, , .		104
24	A Single-Lobe Photometric Stereo Approach for Heterogeneous Material. SIAM Journal on Imaging Sciences, 2016, 9, 1858-1888.	1.3	24
25	Projective Bundle Adjustment from Arbitrary Initialization Using the Variable Projection Method. Lecture Notes in Computer Science, 2016, , 477-493.	1.0	14
26	Expressive visual text-to-speech as an assistive technology for individuals with autism spectrum conditions. Computer Vision and Image Understanding, 2016, 148, 193-200.	3.0	26
27	Modelling uncertainty in deep learning for camera relocalization. , 2016, , .		317
28	Precise deterministic change detection for smooth surfaces. , 2016, , .		6
29	SceneNet: An annotated model generator for indoor scene understanding. , 2016, , .		53
30	Visual change detection on tunnel linings. Machine Vision and Applications, 2016, 27, 319-330.	1.7	58
31	Distortion-Free Image Mosaicing for Tunnel Inspection Based on Robust Cylindrical Surface Estimation through Structure from Motion. Journal of Computing in Civil Engineering, 2016, 30, 04015045.	2.5	40
32	Near-Field Photometric Stereo in Ambient Light. , 2016, , .		12
33	PoseNet: A Convolutional Network for Real-Time 6-DOF Camera Relocalization. , 2015, , .		1,298
34	DEEP-CARVING: Discovering visual attributes by carving deep neural nets. , 2015, , .		35
35	Distances and Means of Direct Similarities. International Journal of Computer Vision, 2015, 112, 285-306.	10.9	1
36	Special Issue on Large-Scale Computer Vision: Geometry, Inference, and Learning. International Journal of Computer Vision, 2014, 110, 241-242.	10.9	1

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37	Bi-label Propagation for Generic Multiple Object Tracking. , 2014, , .		22
38	Mixture of Trees Probabilistic Graphical Model for Video Segmentation. International Journal of Computer Vision, 2014, 110, 14-29.	10.9	14
39	Using Bounded Diameter Minimum Spanning Trees to Build Dense Active Appearance Models. International Journal of Computer Vision, 2014, 110, 48-57.	10.9	9
40	Robust Instance Recognition in Presence of Occlusion and Clutter. Lecture Notes in Computer Science, 2014, , 520-535.	1.0	21
41	A Performance Evaluation of Volumetric 3D Interest Point Detectors. International Journal of Computer Vision, 2013, 102, 180-197.	10.9	32
42	Semi-Supervised Video Segmentation Using Tree Structured Graphical Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 2751-2764.	9.7	50
43	Detecting bipedal motion from correlated probabilistic trajectories. Pattern Recognition Letters, 2013, 34, 1808-1818.	2.6	2
44	Achieving robust face recognition from video by combining a weak photometric model and a learnt generic face invariant. Pattern Recognition, 2013, 46, 9-23.	5.1	36
45	An expressive text-driven 3D talking head. , 2013, , .		15
46	Video Segmentation with Superpixels. Lecture Notes in Computer Science, 2013, , 760-774.	1.0	48
47	Unconstrained Monocular 3D Human Pose Estimation by Action Detection and Cross-Modality Regression Forest. , 2013, , .		37
48	Semantic Transform: Weakly Supervised Semantic Inference for Relating Visual Attributes. , 2013, , .		3
49	Expressive Visual Text-to-Speech Using Active Appearance Models. , 2013, , .		56
50	Multi Scale Shape Index for 3D Object Recognition. Lecture Notes in Computer Science, 2013, , 306-318.	1.0	6
51	Multiple Classifier Boosting and Tree-Structured Classifiers. Studies in Computational Intelligence, 2013, , 163-196.	0.7	1
52	Scale-Invariant Vote-Based 3D Recognition and Registration from Point Clouds. Studies in Computational Intelligence, 2013, , 137-162.	0.7	1
53	Making a Shallow Network Deep: Conversion of a Boosting Classifier into a Decision Tree by Boolean Optimisation. International Journal of Computer Vision, 2012, 100, 203-215.	10.9	3
54	A unifying resolution-independent formulation for early vision. , 2012, , .		16

#	ARTICLE	IF	CITATIONS
55	Dense Active Appearance Models Using a Bounded Diameter Minimum Spanning Tree. , 2012, , .		2
56	MoT - Mixture of Trees Probabilistic Graphical Model for Video Segmentation. , 2012, , .		8
57	Automatic Object Segmentation from Calibrated Images. , 2011, , .		29
58	A new distance for scale-invariant 3D shape recognition and registration. , 2011, , .		29
59	Spatio-temporal clustering of probabilistic region trajectories. , 2011, , .		12
60	Silhouette-based object phenotype recognition using 3D shape priors. , 2011, , .		12
61	Live 3D shape reconstruction, recognition and registration. , 2011, , .		1
62	Semi-supervised video segmentation using tree structured graphical models. , 2011, , .		28
63	Overcoming Shadows in 3-Source Photometric Stereo. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 419-426.	9.7	26
64	Video Normals from Colored Lights. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 2104-2114.	9.7	32
65	An Evaluation of Volumetric Interest Points. , 2011, , .		6
66	Incremental Linear Discriminant Analysis Using Sufficient Spanning Sets and Its Applications. International Journal of Computer Vision, 2011, 91, 216-232.	10.9	58
67	Single and sparse view 3D reconstruction by learning shape priors. Computer Vision and Image Understanding, 2011, 115, 586-602.	3.0	10
68	Co-occurrence flow for pedestrian detection. , 2011, , .		5
69	Color photometric stereo for multicolored surfaces. , 2011, , .		22
70	Automatic 3D object segmentation in multiple views using volumetric graph-cuts. Image and Vision Computing, 2010, 28, 14-25.	2.7	61
71	Thermal and reflectance based personal identification methodology under variable illumination. Pattern Recognition, 2010, 43, 1801-1813.	5.1	32
72	Inferring 3D Shapes and Deformations from Single Views. Lecture Notes in Computer Science, 2010, , 300-313.	1.0	30

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73	On-line Learning of Mutually Orthogonal Subspaces for Face Recognition by Image Sets. IEEE Transactions on Image Processing, 2010, 19, 1067-1074.	6.0	21
74	Online multiple classifier boosting for object tracking. , 2010, , .		24
75	Label propagation in video sequences. , 2010, , .		105
76	A Vision-Based Remote Control. Studies in Computational Intelligence, 2010, , 233-262.	0.7	9
77	Label propagation in complex video sequences using semi-supervised learning. , 2010, , .		19
78	Real-time Action Recognition by Spatiotemporal Semantic and Structural Forests. , 2010, , .		81
79	Making a Shallow Network Deep: Growing a Tree from Decision Regions of a Boosting Classifier. , 2010, , .		1
80	Learning shape priors for single view reconstruction. , 2009, , .		5
81	Image mosaicing via quadric surface estimation with priors for tunnel inspection. , 2009, , .		11
82	Learning to track with multiple observers. , 2009, , .		53
83	Semantic object classes in video: A high-definition ground truth database. Pattern Recognition Letters, 2009, 30, 88-97.	2.6	929
84	A methodology for rapid illumination-invariant face recognition using image processing filters. Computer Vision and Image Understanding, 2009, 113, 159-171.	3.0	28
85	A pose-wise linear illumination manifold model for face recognition using video. Computer Vision and Image Understanding, 2009, 113, 113-125.	3.0	41
86	Canonical Correlation Analysis of Video Volume Tensors for Action Categorization and Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1415-1428.	9.7	208
87	Obtaining the Shape of a Moving Object with a Specular Surface. , 2009, , .		2
88	Learning to track with multiple observers. , 2009, , .		5
89	Reconstructing relief surfaces. Image and Vision Computing, 2008, 26, 397-404.	2.7	14
90	Pose estimation and tracking using multivariate regression. Pattern Recognition Letters, 2008, 29, 1302-1310.	2.6	50

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91	Semantic texton forests for image categorization and segmentation. , 2008, , .		701
92	Multiscale Categorical Object Recognition Using Contour Fragments. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1270-1281.	9.7	269
93	Multiview Photometric Stereo. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 548-554.	9.7	228
94	Principled fusion of high-level model and low-level cues for motion segmentation. , 2008, , .		4
95	Colour invariants for machine face recognition. , 2008, , .		2
96	Segmentation and Recognition Using Structure from Motion Point Clouds. Lecture Notes in Computer Science, 2008, , 44-57.	1.0	497
97	Natural Versus Artificial Scene Classification by Ordering Discrete Fourier Power Spectra. Lecture Notes in Computer Science, 2008, , 137-146.	1.0	8
98	Shadows in Three-Source Photometric Stereo. Lecture Notes in Computer Science, 2008, , 290-303.	1.0	32
99	Using Multiple Hypotheses to Improve Depth-Maps for Multi-View Stereo. Lecture Notes in Computer Science, 2008, , 766-779.	1.0	189
100	Efficiently Combining Contour and Texture Cues for Object Recognition. , 2008, , .		20
101	AIDIA - Adaptive Interface for Display InterAction. , 2008, , .		7
102	Learning Motion Categories using both Semantic and Structural Information. , 2007, , .		142
103	Gesture Recognition Under Small Sample Size. , 2007, , 335-344.		16
104	Semantic photo synthesis. , 2007, , .		2
105	Discriminative Learning and Recognition of Image Set Classes Using Canonical Correlations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1005-1018.	9.7	524
106	Silhouette Coherence for Camera Calibration under Circular Motion. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 343-349.	9.7	74
107	Multiview Stereo via Volumetric Graph-Cuts and Occlusion Robust Photo-Consistency. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 2241-2246.	9.7	222
108	Probabilistic visibility for multi-view stereo. , 2007, , .		62

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109	Tensor Canonical Correlation Analysis for Action Classification. , 2007, , .		224
110	Non-rigid Photometric Stereo with Colored Lights. , 2007, , .		99
111	Assisted Video Object Labeling By Joint Tracking of Regions and Keypoints. , 2007, , .		20
112	Incremental Linear Discriminant Analysis Using Sufficient Spanning Set Approximations. , 2007, , .		79
113	The Joint Manifold Model for Semi-supervised Multi-valued Regression. , 2007, , .		68
114	Extracting Spatiotemporal Interest Points using Global Information. , 2007, , .		143
115	Estimating 3D hand pose using hierarchical multi-label classification. Image and Vision Computing, 2007, 25, 1885-1894.	2.7	16
116	Boosted manifold principal angles for image set-based recognition. Pattern Recognition, 2007, 40, 2475-2484.	5.1	65
117	Automatic 3D Object Segmentation in Multiple Views using Volumetric Graph-Cuts. , 2007, , .		23
118	Tracking Using Online Feature Selection and a Local Generative Model. , 2007, , .		21
119	Model-based hand tracking using a hierarchical Bayesian filter. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1372-1384.	9.7	370
120	Coarse-to-fine vision-based localization by indexing scale-Invariant features. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 413-422.	5.5	115
121	Face Recognition from Video Using the Generic Shape-Illumination Manifold. Lecture Notes in Computer Science, 2006, , 27-40.	1.0	31
122	Robust Appearance-based Tracking using a sparse Bayesian classifier. , 2006, , .		2
123	Efficient Topological Localization Using Orientation Adjacency Coherence Histograms. , 2006, , .		2
124	Semantic Photo Synthesis. Computer Graphics Forum, 2006, 25, 407-413.	1.8	43
125	An information-theoretic approach to face recognition from face motion manifolds. Image and Vision Computing, 2006, 24, 639-647.	2.7	26
126	Continuous Gesture Recognition using a Sparse Bayesian Classifier. , 2006, , .		8

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127	Face Set Classification using Maximally Probable Mutual Modes. , 2006, , .		15
128	On Person Authentication by Fusing Visual and Thermal Face Biometrics. , 2006, , .		21
129	Multivariate Relevance Vector Machines for Tracking. Lecture Notes in Computer Science, 2006, , 124-138.	1.0	65
130	Incremental Learning of Locally Orthogonal Subspaces for Set-based Object Recognition. , 2006, , .		22
131	Combining interest points and edges for content-based image retrieval. , 2005, , .		12
132	Using frontier points to recover shape, reflectance and illumination. , 2005, , .		15
133	Sparse Bayesian learning for efficient visual tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1292-1304.	9.7	175
134	Contour-based learning for object detection. , 2005, , .		206
135	Real-time Interpretation of Hand Motions using a Sparse Bayesian Classifier on Motion Gradient Orientation Images. , 2005, , .		22
136	Hierarchical Part-Based Human Body Pose Estimation. , 2005, , .		35
137	Hole Filling Through Photomontage. , 2005, , .		48
138	Learning over Sets using Boosted Manifold Principal Angles (BoMPA). , 2005, , .		26
139	Incremental Learning of Temporally-Coherent Gaussian Mixture Models. , 2005, , .		47
140	Improved Image Annotation and Labelling through Multi-Label Boosting. , 2005, , .		12
141	Shape from Profiles. , 2005, , .		0
142	Modelling and Interpretation of Architecture from Several Images. International Journal of Computer Vision, 2004, 60, 111-134.	10.9	150
143	Reconstruction of surfaces of revolution from single uncalibrated views. Image and Vision Computing, 2004, 22, 829-836.	2.7	30
144	Towards a complete dense geometric and photometric reconstruction under varying pose and illumination. Image and Vision Computing, 2004, 22, 787-793.	2.7	9

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145	Reconstruction of Sculpture From Its Profiles With Unknown Camera Positions. IEEE Transactions on Image Processing, 2004, 13, 381-389.	6.0	50
146	Layered motion segmentation and depth ordering by tracking edges. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 479-494.	9.7	82
147	An Illumination Invariant Face Recognition System for Access Control using Video. , 2004, , .		15
148	Likelihood Models For Template Matching using the PDF Projection Theorem. , 2004, , .		9
149	Camera calibration from surfaces of revolution. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 147-161.	9.7	76
150	212D Visual Servoing with Respect to Planar Contours having Complex and Unknown Shapes. International Journal of Robotics Research, 2003, 22, 841-853.	5.8	23
151	Learning a Kinematic Prior for Tree-Based Filtering. , 2003, , .		23
152	Camera self-calibration from unknown planar structures enforcing the multiview constraints between collineations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 1268-1272.	9.7	53
153	Estimating the fundamental matrix via constrained least-squares: a convex approach. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 397-401.	9.7	37
154	Real-time tracking of complex structures with on-line camera calibration. Image and Vision Computing, 2002, 20, 427-433.	2.7	43
155	Structure and motion estimation from apparent contours under circular motion. Image and Vision Computing, 2002, 20, 441-448.	2.7	12
156	Real-time visual tracking of complex structures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 932-946.	9.7	471
157	Epipolar geometry from profiles under circular motion. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 604-616.	9.7	80
158	Head Model Acquisition from Silhouettes. Lecture Notes in Computer Science, 2001, , 787-796.	1.0	5
159	Towards Artificial Action: Teaching by Showing. , 2001, , 225-236.		0
160	Application of Lie Algebras to Visual Servoing. International Journal of Computer Vision, 2000, 37, 21-41.	10.9	56
161	Recovery of Circular Motion from Profiles of Surfaces. Lecture Notes in Computer Science, 2000, , 149-165.	1.0	4
162	Real-Time Tracking of Complex Structures for Visual Servoing. Lecture Notes in Computer Science, 2000, , 69-84.	1.0	7

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163	Visual tracking and control using Lie algebras. , 1999, , .		34
164	Generalised Epipolar Constraints. International Journal of Computer Vision, 1999, 33, 51-72.	10.9	32
165	Uncalibrated reconstruction of curved surfaces. Image and Vision Computing, 1999, 17, 617-623.	2.7	3
166	Extracting Group Transformations from Image Moments. Computer Vision and Image Understanding, 1999, 73, 29-42.	3.0	6
167	Automated B-spline curve representation incorporating MDL and error-minimizing control point insertion strategies. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 49-53.	9.7	37
168	Affine reconstruction of curved surfaces from uncalibrated views of apparent contours. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 1188-1198.	9.7	21
169	Reconstruction and Motion Estimation from Apparent Contours under Circular Motion. , 1999, , .		9
170	Quasi-Invariant Parameterisations and Their Applications in Computer Vision. Lecture Notes in Computer Science, 1999, , 72-92.	1.0	0
171	The Structure and Motion of Surfaces. , 1999, , 369-391.		1
172	Quasi-Invariant Parameterisations and Matching of Curves in Images. International Journal of Computer Vision, 1998, 28, 117-136.	10.9	11
173	The visual motion of curves and surfaces. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1998, 356, 1103-1121.	1.6	15
174	A Prototyping Strategy for use in Interactive Robotic System Development. Robotica, 1998, 16, 517-521.	1.3	3
175	Image Divergence and Deformation from Closed Curves. International Journal of Robotics Research, 1997, 16, 77-96.	5.8	34
176	Feature-based human face detection. Image and Vision Computing, 1997, 15, 713-735.	2.7	273
177	Affine integral invariants for extracting symmetry axes. Image and Vision Computing, 1997, 15, 627-635.	2.7	38
178	Following Cusps. International Journal of Computer Vision, 1997, 23, 115-129.	10.9	13
179	Visually guided grasping in unstructured environments. Robotics and Autonomous Systems, 1997, 19, 337-346.	3.0	32
180	Enhancing human face detection using motion and active contours. Lecture Notes in Computer Science, 1997, , 515-522.	1.0	7

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181	Efficient region segmentation through "creep-and-merge"™. Lecture Notes in Computer Science, 1997, , 223-230.	1.0	1
182	Identifying human face profiles with semi-local integral invariants. Lecture Notes in Computer Science, 1997, , 414-421.	1.0	0
183	Generalised epipolar constraints. Lecture Notes in Computer Science, 1996, , 95-108.	1.0	12
184	Computer vision in interactive robotics. Assembly Automation, 1996, 16, 18-24.	1.0	5
185	Geometric saliency of curve correspondences and grouping of symmetric contours. Lecture Notes in Computer Science, 1996, , 385-398.	1.0	11
186	Fast visual tracking by temporal consensus. Image and Vision Computing, 1996, 14, 105-114.	2.7	86
187	Human-robot interface by pointing with uncalibrated stereo vision. Image and Vision Computing, 1996, 14, 171-178.	2.7	77
188	Affine integral invariants and matching of curves. , 1996, , .		12
189	Reliable extraction of the camera motion using constraints on the epipole. Lecture Notes in Computer Science, 1996, , 161-173.	1.0	7
190	Automated B-Spline Curve Representation with MDL-based Active Contours. , 1996, , .		7
191	Image registration using multi-scale texture moments. Image and Vision Computing, 1995, 13, 341-353.	2.7	19
192	Skeletonization using an extended Euclidean distance transform. Image and Vision Computing, 1995, 13, 367-375.	2.7	31
193	Symmetry detection through local skewed symmetries. Image and Vision Computing, 1995, 13, 439-450.	2.7	51
194	Robust egomotion estimation from affine motion parallax. Lecture Notes in Computer Science, 1994, , 205-210.	1.0	14
195	Determining the gaze of faces in images. Image and Vision Computing, 1994, 12, 639-647.	2.7	199
196	Uncalibrated stereo hand-eye coordination. Image and Vision Computing, 1994, 12, 187-192.	2.7	76
197	Extracting the affine transformation from texture moments. Lecture Notes in Computer Science, 1994, , 165-172.	1.0	13
198	Skewed Symmetry Detection Through Local Skewed Symmetries. , 1994, , .		6

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199	Surface shape from the deformation of apparent contours. International Journal of Computer Vision, 1992, 9, 83-112.	10.9	208
200	Surface orientation and time to contact from image divergence and deformation. Lecture Notes in Computer Science, 1992, , 187-202.	1.0	108
201	Robust estimation of surface curvature from deformation of apparent contours. Image and Vision Computing, 1991, 9, 107-112.	2.7	13
202	Parallel Implementation of Lagrangian Dynamics for Real-time Snakes. , 1991, , .		6
203	Stereoscopic tracking of bodies in motion. Image and Vision Computing, 1990, 8, 85-90.	2.7	20
204	Robust estimation of surface curvature from deformation of apparent contours. Lecture Notes in Computer Science, 1990, , 465-474.	1.0	37
205	The dynamic analysis of apparent contours. , 0, , .		84
206	Robust structure from motion using motion parallax. , 0, , .		62
207	Estimating gaze from a single view of a face. , 0, , .		29
208	Motion from the frontier of curved surfaces. , 0, , .		61
209	Obstacle detection from image divergence and deformation. , 0, , .		5
210	Detection of human faces under scale, orientation and viewpoint variations. , 0, , .		5
211	A probabilistic framework for perceptual grouping of features for human face detection. , 0, , .		19
212	Stereo coupled active contours. , 0, , .		21
213	A statistical framework for long-range feature matching in uncalibrated image mosaicing. , 0, , .		19
214	Affine reconstruction of curved surfaces from uncalibrated views of apparent contours. , 0, , .		3
215	3D models of architectural scenes from uncalibrated images and vanishing points. , 0, , .		12
216	PhotoBuilder-3D models of architectural scenes from uncalibrated images. , 0, , .		32

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217	Estimation of epipolar geometry from apparent contours: affine and circular motion cases. , 0, , .		17
218	Calibration of image sequences for model visualisation. , 0, , .		2
219	A biprism-stereo camera system. , 0, , .		19
220	A simple technique for self-calibration. , 0, , .		56
221	Self-calibration of zooming cameras observing an unknown planar structure. , 0, , .		10
222	Automatic segmentation and matching of planar contours for visual servoing. , 0, , .		23
223	Model-based 3D tracking of an articulated hand. , 0, , .		147
224	Structure and motion from silhouettes. , 0, , .		74
225	Real-time tracking of highly articulated structures in the presence of noisy measurements. , 0, , .		40
226	Reconstruction of sculpture from uncalibrated image profiles. , 0, , .		0
227	A probabilistic framework for space carving. , 0, , .		120
228	A surface evolution approach of probabilistic space carving. , 0, , .		9
229	Image-based Localization and Pose Recovery Using Scale Invariant Features. , 0, , .		5
230	Face Recognition from Face Motion Manifolds using Robust Kernel Resistor-Average Distance. , 0, , .		15
231	Face Recognition with Image Sets Using Manifold Density Divergence. , 0, , .		182
232	Vision-based Global Localization Using a Visual Vocabulary. , 0, , .		17
233	Visual Tracking in the Presence of Motion Blur. , 0, , .		15
234	Multi-View Stereo via Volumetric Graph-Cuts. , 0, , .		165

#	ARTICLE	IF	CITATIONS
235	Unsupervised Bayesian Detection of Independent Motion in Crowds. , 0, , .		264
236	Multi-Sensory Face Biometric Fusion (for Personal Identification). , 0, , .		4
237	A New Look at Filtering Techniques for Illumination Invariance in Automatic Face Recognition. , 0, , .		11
238	Reconstruction in the Round Using Photometric Normals and Silhouettes.. , 0, , .		34
239	Sparse and Semi-supervised Visual Mapping with the S ³ GP. , 0, , .		50
240	Automatic Cast Listing in Feature-Length Films with Anisotropic Manifold Space. , 0, , .		27