Roberto Cipolla

List of Publications by Year
in descending order

240 papers	26,891 citations	76326 40 h-index	24982 109 g-index
245 all docs	245 docs citations	245 times ranked	18266 citing authors

#	Article	IF	Citations
1	SegNet: A Deep Convolutional Encoder-Decoder Architecture for Image Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 2481-2495.	13.9	11,162
2	PoseNet: A Convolutional Network for Real-Time 6-DOF Camera Relocalization. , 2015, , .		1,298
3	Semantic object classes in video: A high-definition ground truth database. Pattern Recognition Letters, 2009, 30, 88-97.	4.2	929
4	Semantic texton forests for image categorization and segmentation. , 2008, , .		701
5	Multi-task Learning Using Uncertainty to Weigh Losses for Scene Geometry and Semantics. , 2018, , .		533
6	Discriminative Learning and Recognition of Image Set Classes Using Canonical Correlations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1005-1018.	13.9	524
7	Segmentation and Recognition Using Structure from Motion Point Clouds. Lecture Notes in Computer Science, 2008, , 44-57.	1.3	497
8	Real-time visual tracking of complex structures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 932-946.	13.9	471
9	Geometric Loss Functions for Camera Pose Regression with Deep Learning. , 2017, , .		465
10	Model-based hand tracking using a hierarchical Bayesian filter. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1372-1384.	13.9	370
11	MultiNet: Real-time Joint Semantic Reasoning for Autonomous Driving. , 2018, , .		341
12	Modelling uncertainty in deep learning for camera relocalization. , 2016, , .		317
13	Feature-based human face detection. Image and Vision Computing, 1997, 15, 713-735.	4.5	273
14	Multiscale Categorical Object Recognition Using Contour Fragments. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1270-1281.	13.9	269
15	Unsupervised Bayesian Detection of Independent Motion in Crowds. , 0, , .		264
16	Multiview Photometric Stereo. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 548-554.	13.9	228
17	Tensor Canonical Correlation Analysis for Action Classification. , 2007, , .		224
18	Multiview Stereo via Volumetric Graph-Cuts and Occlusion Robust Photo-Consistency. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 2241-2246.	13.9	222

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19	Surface shape from the deformation of apparent contours. International Journal of Computer Vision, 1992, 9, 83-112.	15.6	208
20	Canonical Correlation Analysis of Video Volume Tensors for Action Categorization and Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1415-1428.	13.9	208
21	Contour-based learning for object detection. , 2005, , .		206
22	Determining the gaze of faces in images. Image and Vision Computing, 1994, 12, 639-647.	4.5	199
23	Using Multiple Hypotheses to Improve Depth-Maps for Multi-View Stereo. Lecture Notes in Computer Science, 2008, , 766-779.	1.3	189
24	Face Recognition with Image Sets Using Manifold Density Divergence. , 0, , .		182
25	Sparse Bayesian learning for efficient visual tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1292-1304.	13.9	175
26	Multi-View Stereo via Volumetric Graph-Cuts. , 0, , .		165
27	Deep Roots: Improving CNN Efficiency with Hierarchical Filter Groups. , 2017, , .		160
28	Modelling and Interpretation of Architecture from Several Images. International Journal of Computer Vision, 2004, 60, 111-134.	15.6	150
29	Model-based 3D tracking of an articulated hand. , 0, , .		147
30	Extracting Spatiotemporal Interest Points using Global Information. , 2007, , .		143
31	Learning Motion Categories using both Semantic and Structural Information. , 2007, , .		142
32	A probabilistic framework for space carving. , 0, , .		120
33	Coarse-to-fine vision-based localization by indexing scale-Invariant features. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 413-422.	5.0	115
34	Surface orientation and time to contact from image divergence and deformation. Lecture Notes in Computer Science, 1992, , 187-202.	1.3	108
35	Label propagation in video sequences. , 2010, , .		105
36	Understanding RealWorld Indoor Scenes with Synthetic Data. , 2016, , .		104

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37	Non-rigid Photometric Stereo with Colored Lights. , 2007, , .		99
38	Fast visual tracking by temporal consensus. Image and Vision Computing, 1996, 14, 105-114.	4.5	86
39	The dynamic analysis of apparent contours. , 0, , .		84
40	Layered motion segmentation and depth ordering by tracking edges. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 479-494.	13.9	82
41	Real-time Action Recognition by Spatiotemporal Semantic and Structural Forests. , 2010, , .		81
42	Epipolar geometry from profiles under circular motion. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 604-616.	13.9	80
43	Incremental Linear Discriminant Analysis Using Sufficient Spanning Set Approximations. , 2007, , .		79
44	Human-robot interface by pointing with uncalibrated stereo vision. Image and Vision Computing, 1996, 14, 171-178.	4.5	77
45	Uncalibrated stereo hand-eye coordination. Image and Vision Computing, 1994, 12, 187-192.	4.5	76
46	Camera calibration from surfaces of revolution. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 147-161.	13.9	76
47	Structure and motion from silhouettes. , 0, , .		74
48	Silhouette Coherence for Camera Calibration under Circular Motion. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 343-349.	13.9	74
49	The Joint Manifold Model for Semi-supervised Multi-valued Regression. , 2007, , .		68
50	Boosted manifold principal angles for image set-based recognition. Pattern Recognition, 2007, 40, 2475-2484.	8.1	65
51	Multivariate Relevance Vector Machines for Tracking. Lecture Notes in Computer Science, 2006, , 124-138.	1.3	65
52	Robust structure from motion using motion parallax. , 0, , .		62
53	Probabilistic visibility for multi-view stereo. , 2007, , .		62
54	Motion from the frontier of curved surfaces. , 0, , .		61

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55	Automatic 3D object segmentation in multiple views using volumetric graph-cuts. Image and Vision Computing, 2010, 28, 14-25.	4.5	61
56	Incremental Linear Discriminant Analysis Using Sufficient Spanning Sets and Its Applications. International Journal of Computer Vision, 2011, 91, 216-232.	15.6	58
57	Visual change detection on tunnel linings. Machine Vision and Applications, 2016, 27, 319-330.	2.7	58
58	Indirect deep structured learning for 3D human body shape and pose prediction. , 2017, , .		57
59	A simple technique for self-calibration. , 0, , .		56
60	Application of Lie Algebras to Visual Servoing. International Journal of Computer Vision, 2000, 37, 21-41.	15.6	56
61	Expressive Visual Text-to-Speech Using Active Appearance Models. , 2013, , .		56
62	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.	13.9	53
63	Learning to track with multiple observers. , 2009, , .		53
64	SceneNet: An annotated model generator for indoor scene understanding. , 2016, , .		53
65	Symmetry detection through local skewed symmetries. Image and Vision Computing, 1995, 13, 439-450.	4.5	51
66	Reconstruction of Sculpture From Its Profiles With Unknown Camera Positions. IEEE Transactions on Image Processing, 2004, 13, 381-389.	9.8	50
67	Sparse and Semi-supervised Visual Mapping with the S^3GP. , 0, , .		50
68	Pose estimation and tracking using multivariate regression. Pattern Recognition Letters, 2008, 29, 1302-1310.	4.2	50
69	Semi-Supervised Video Segmentation Using Tree Structured Graphical Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 2751-2764.	13.9	50
70	Video Segmentation with Superpixels. Lecture Notes in Computer Science, 2013, , 760-774.	1.3	48
71	Hole Filling Through Photomontage. , 2005, , .		48
72	Incremental Learning of Temporally-Coherent Gaussian Mixture Models. , 2005, , .		47

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73	Real-time tracking of complex structures with on-line camera calibration. Image and Vision Computing, 2002, 20, 427-433.	4.5	43
74	Semantic Photo Synthesis. Computer Graphics Forum, 2006, 25, 407-413.	3.0	43
75	A pose-wise linear illumination manifold model for face recognition using video. Computer Vision and Image Understanding, 2009, 113, 113-125.	4.7	41
76	Real-time tracking of highly articulated structures in the presence of noisy measurements. , 0, , .		40
77	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.	4.7	40
78	Affine integral invariants for extracting symmetry axes. Image and Vision Computing, 1997, 15, 627-635.	4.5	38
79	Robust estimation of surface curvature from deformation of apparent contours. Lecture Notes in Computer Science, 1990, , 465-474.	1.3	37
80	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.	13.9	37
81	Estimating the fundamental matrix via constrained least-squares: a convex approach. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 397-401.	13.9	37
82	Unconstrained Monocular 3D Human Pose Estimation by Action Detection and Cross-Modality Regression Forest. , 2013, , .		37
83	Achieving robust face recognition from video by combining a weak photometric model and a learnt generic face invariant. Pattern Recognition, 2013, 46, 9-23.	8.1	36
84	DEEP-CARVING: Discovering visual attributes by carving deep neural nets. , 2015, , .		35
85	Hierarchical Part-Based Human Body Pose Estimation. , 2005, , .		35
86	Image Divergence and Deformation from Closed Curves. International Journal of Robotics Research, 1997, 16, 77-96.	8.5	34
87	Visual tracking and control using Lie algebras. , 1999, , .		34
88	Reconstruction in the Round Using Photometric Normals and Silhouettes.. , 0, , .		34
89	Who Left the Dogs Out? 3D Animal Reconstruction with Expectation Maximization in the Loop. Lecture Notes in Computer Science, 2020, , 195-211.	1.3	33
90	Visually guided grasping in unstructured environments. Robotics and Autonomous Systems, 1997, 19, 337-346.	5.1	32

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91	PhotoBuilder-3D models of architectural scenes from uncalibrated images. , 0, , .		32
92	Generalised Epipolar Constraints. International Journal of Computer Vision, 1999, 33, 51-72.	15.6	32
93	Thermal and reflectance based personal identification methodology under variable illumination. Pattern Recognition, 2010, 43, 1801-1813.	8.1	32
94	Video Normals from Colored Lights. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 2104-2114.	13.9	32
95	A Performance Evaluation of Volumetric 3D Interest Point Detectors. International Journal of Computer Vision, 2013, 102, 180-197.	15.6	32
96	Shadows in Three-Source Photometric Stereo. Lecture Notes in Computer Science, 2008, , 290-303.	1.3	32
97	Skeletonization using an extended Euclidean distance transform. Image and Vision Computing, 1995, 13, 367-375.	4.5	31
98	Face Recognition from Video Using the Generic Shape-Illumination Manifold. Lecture Notes in Computer Science, 2006, , 27-40.	1.3	31
99	Reconstruction of surfaces of revolution from single uncalibrated views. Image and Vision Computing, 2004, 22, 829-836.	4.5	30
100	Inferring 3D Shapes and Deformations from Single Views. Lecture Notes in Computer Science, 2010, , 300-313.	1.3	30
101	Estimating gaze from a single view of a face. , 0, , .		29
102	Automatic Object Segmentation from Calibrated Images. , 2011, , .		29
103	A new distance for scale-invariant 3D shape recognition and registration. , 2011, , .		29
104	A methodology for rapid illumination-invariant face recognition using image processing filters. Computer Vision and Image Understanding, 2009, 113, 159-171.	4.7	28
105	Semi-supervised video segmentation using tree structured graphical models. , 2011, , .		28
106	A Differential Volumetric Approach to Multi-View Photometric Stereo. , 2019, , .		28
107	Automatic Cast Listing in Feature-Length Films with Anisotropic Manifold Space. , 0, , .		27
108	An information-theoretic approach to face recognition from face motion manifolds. Image and Vision Computing, 2006, 24, 639-647.	4.5	26

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109	Overcoming Shadows in 3-Source Photometric Stereo. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 419-426.	13.9	26
110	Expressive visual text-to-speech as an assistive technology for individuals with autism spectrum conditions. Computer Vision and Image Understanding, 2016, 148, 193-200.	4.7	26
111	Learning over Sets using Boosted Manifold Principal Angles (BoMPA). , 2005, , .		26
112	Online multiple classifier boosting for object tracking. , 2010, , .		24
113	A Single-Lobe Photometric Stereo Approach for Heterogeneous Material. SIAM Journal on Imaging Sciences, 2016, 9, 1858-1888.	2.2	24
114	Automatic segmentation and matching of planar contours for visual servoing. , 0, , .		23
115	212D Visual Servoing with Respect to Planar Contours having Complex and Unknown Shapes. International Journal of Robotics Research, 2003, 22, 841-853.	8.5	23
116	Semi-Calibrated Near Field Photometric Stereo. , 2017, , .		23
117	Learning a Kinematic Prior for Tree-Based Filtering. , 2003, , .		23
118	Automatic 3D Object Segmentation in Multiple Views using Volumetric Graph-Cuts. , 2007, , .		23
119	Color photometric stereo for multicolored surfaces. , 2011, , .		22
120	Bi-label Propagation for Generic Multiple Object Tracking. , 2014, , .		22
121	Real-time Interpretation of Hand Motions using a Sparse Bayesian Classifier on Motion Gradient Orientation Images. , 2005, , .		22
122	Incremental Learning of Locally Orthogonal Subspaces for Set-based Object Recognition. , 2006, , .		22
123	Stereo coupled active contours. , 0, , .		21
124	Affine reconstruction of curved surfaces from uncalibrated views of apparent contours. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 1188-1198.	13.9	21
125	On Person Authentication by Fusing Visual and Thermal Face Biometrics. , 2006, , .		21
126	On-line Learning of Mutually Orthogonal Subspaces for Face Recognition by Image Sets. IEEE Transactions on Image Processing, 2010, 19, 1067-1074.	9.8	21

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127	Large Scale Labelled Video Data Augmentation for Semantic Segmentation in Driving Scenarios. , 2017, , .		21
128	Robust Instance Recognition in Presence of Occlusion and Clutter. Lecture Notes in Computer Science, 2014, , 520-535.	1.3	21
129	Tracking Using Online Feature Selection and a Local Generative Model. , 2007, , .		21
130	PX-NET: Simple and Efficient Pixel-Wise Training of Photometric Stereo Networks. , 2021, , .		21
131	Stereoscopic tracking of bodies in motion. Image and Vision Computing, 1990, 8, 85-90.	4.5	20
132	Assisted Video Object Labeling By Joint Tracking of Regions and Keypoints. , 2007, , .		20
133	Efficiently Combining Contour and Texture Cues for Object Recognition. , 2008, , .		20
134	Image registration using multi-scale texture moments. Image and Vision Computing, 1995, 13, 341-353.	4.5	19
135	A probabilistic framework for perceptual grouping of features for human face detection. , 0, , .		19
136	A statistical framework for long-range feature matching in uncalibrated image mosaicing. , 0, , .		19
137	A biprism-stereo camera system. , 0, , .		19
138	Creatures Great and SMAL: Recovering the Shape and Motion of Animals from Video. Lecture Notes in Computer Science, 2019, , 3-19.	1.3	19
139	Label propagation in complex video sequences using semi-supervised learning. , 2010, , .		19
140	Estimation of epipolar geometry from apparent contours: affine and circular motion cases. , 0, , .		17
141	Vision-based Global Localization Using a Visual Vocabulary. , 0, , .		17
142	Gesture Recognition Under Small Sample Size. , 2007, , 335-344.		16
143	Estimating 3D hand pose using hierarchical multi-label classification. Image and Vision Computing, 2007, 25, 1885-1894.	4.5	16
144	A unifying resolution-independent formulation for early vision. , 2012, , .		16

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145	The visual motion of curves and surfaces. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1998, 356, 1103-1121.	3.4	15
146	Face Recognition from Face Motion Manifolds using Robust Kernel Resistor-Average Distance. , 0, , .		15
147	Using frontier points to recover shape, reflectance and illumination. , 2005, , .		15
148	Visual Tracking in the Presence of Motion Blur. , 0, , .		15
149	Face Set Classification using Maximally Probable Mutual Modes. , 2006, , .		15
150	An expressive text-driven 3D talking head. , 2013, , .		15
151	Refining Architectures of Deep Convolutional Neural Networks. , 2016, , .		15
152	An Illumination Invariant Face Recognition System for Access Control using Video. , 2004, , .		15
153	Robust egomotion estimation from affine motion parallax. Lecture Notes in Computer Science, 1994, , 205-210.	1.3	14
154	Reconstructing relief surfaces. Image and Vision Computing, 2008, 26, 397-404.	4.5	14
155	Mixture of Trees Probabilistic Graphical Model for Video Segmentation. International Journal of Computer Vision, 2014, 110, 14-29.	15.6	14
156	Projective Bundle Adjustment from Arbitrary Initialization Using the Variable Projection Method. Lecture Notes in Computer Science, 2016, , 477-493.	1.3	14
157	Robust estimation of surface curvature from deformation of apparent contours. Image and Vision Computing, 1991, 9, 107-112.	4.5	13
158	Extracting the affine transformation from texture moments. Lecture Notes in Computer Science, 1994, , 165-172.	1.3	13
159	Following Cusps. International Journal of Computer Vision, 1997, 23, 115-129.	15.6	13
160	Generalised epipolar constraints. Lecture Notes in Computer Science, 1996, , 95-108.	1.3	12
161	Affine integral invariants and matching of curves. , 1996, , .		12
162	3D models of architectural scenes from uncalibrated images and vanishing points. , 0, , .		12

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163	Structure and motion estimation from apparent contours under circular motion. Image and Vision Computing, 2002, 20, 441-448.	4.5	12
164	Combining interest points and edges for content-based image retrieval. , 2005, , .		12
165	Spatio-temporal clustering of probabilistic region trajectories. , 2011, , .		12
166	Silhouette-based object phenotype recognition using 3D shape priors. , 2011, , .		12
167	A Differential Approach to Shape from Polarisation: A Level-Set Characterisation. International Journal of Computer Vision, 2019, 127, 1680-1693.	15.6	12
168	Deep Multi-view Stereo for Dense 3D Reconstruction from Monocular Endoscopic Video. Lecture Notes in Computer Science, 2020, , 774-783.	1.3	12
169	Improved Image Annotation and Labelling through Multi-Label Boosting. , 2005, , .		12
170	Near-Field Photometric Stereo in Ambient Light. , 2016, , .		12
171	Geometric saliency of curve correspondences and grouping of symmetric contours. Lecture Notes in Computer Science, 1996, , 385-398.	1.3	11
172	Quasi-Invariant Parameterisations and Matching of Curves in Images. International Journal of Computer Vision, 1998, 28, 117-136.	15.6	11
173	A New Look at Filtering Techniques for Illumination Invariance in Automatic Face Recognition. , 0, , .		11
174	Image mosaicing via quadric surface estimation with priors for tunnel inspection. , 2009, , .		11
175	Self-calibration of zooming cameras observing an unknown planar structure. , 0, , .		10
176	Single and sparse view 3D reconstruction by learning shape priors. Computer Vision and Image Understanding, 2011, 115, 586-602.	4.7	10
177	A surface evolution approach of probabilistic space carving. , 0, , .		9
178	Towards a complete dense geometric and photometric reconstruction under varying pose and illumination. Image and Vision Computing, 2004, 22, 787-793.	4.5	9
179	Using Bounded Diameter Minimum Spanning Trees to Build Dense Active Appearance Models. International Journal of Computer Vision, 2014, 110, 48-57.	15.6	9
180	A Vision-Based Remote Control. Studies in Computational Intelligence, 2010, , 233-262.	0.9	9

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181	Reconstruction and Motion Estimation from Apparent Contours under Circular Motion. , 1999, , .		9
182	Likelihood Models For Template Matching using the PDF Projection Theorem. , 2004, , .		9
183	Continuous Gesture Recognition using a Sparse Bayesian Classifier. , 2006, , .		8
184	Natural Versus Artificial Scene Classification by Ordering Discrete Fourier Power Spectra. Lecture Notes in Computer Science, 2008, , 137-146.	1.3	8
185	Expressive visual text to speech and expression adaptation using deep neural networks. , 2017, , .		8
186	Adaptation of an Expressive Single Speaker Deep Neural Network Speech Synthesis System. , 2018, , .		8
187	MoT - Mixture of Trees Probabilistic Graphical Model for Video Segmentation. , 2012, , .		8
188	Real-Time Tracking of Complex Structures for Visual Servoing. Lecture Notes in Computer Science, 2000, , 69-84.	1.3	7
189	Reliable extraction of the camera motion using constraints on the epipole. Lecture Notes in Computer Science, 1996, , 161-173.	1.3	7
190	Enhancing human face detection using motion and active contours. Lecture Notes in Computer Science, 1997, , 515-522.	1.3	7
191	Automated B-Spline Curve Representation with MDL-based Active Contours. , 1996, , .		7
192	AIDIA - Adaptive Interface for Display InterAction. , 2008, , .		7
193	Extracting Group Transformations from Image Moments. Computer Vision and Image Understanding, 1999, 73, 29-42.	4.7	6
194	An Evaluation of Volumetric Interest Points. , 2011, , .		6
195	Precise deterministic change detection for smooth surfaces. , 2016, , .		6
196	Multi Scale Shape Index for 3D Object Recognition. Lecture Notes in Computer Science, 2013, , 306-318.	1.3	6
197	Parallel Implementation of Lagrangian Dynamics for Real-time Snakes. , 1991, , .		6
198	Skewed Symmetry Detection Through Local Skewed Symmetries. , 1994, , .		6

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199	Obstacle detection from image divergence and deformation. , 0, , .		5
200	Detection of human faces under scale, orientation and viewpoint variations. , 0, , .		5
201	Computer vision in interactive robotics. Assembly Automation, 1996, 16, 18-24.	1.7	5
202	Image-based Localization and Pose Recovery Using Scale Invariant Features. , 0, , .		5
203	Learning shape priors for single view reconstruction. , 2009, , .		5
204	Co-occurrence flow for pedestrian detection. , 2011, , .		5
205	Head Model Acquisition from Silhouettes. Lecture Notes in Computer Science, 2001, , 787-796.	1.3	5
206	A Differential Approach to Shape from Polarization. , 2017, , .		5
207	Learning to track with multiple observers. , 2009, , .		5
208	Multi-Sensory Face Biometric Fusion (for Personal Identification). , 0, , .		4
209	Principled fusion of high-level model and low-level cues for motion segmentation. , 2008, , .		4
210	Recovery of Circular Motion from Profiles of Surfaces. Lecture Notes in Computer Science, 2000, , 149-165.	1.3	4
211	Affine reconstruction of curved surfaces from uncalibrated views of apparent contours. , 0, , .		3
212	A Prototyping Strategy for use in Interactive Robotic System Development. Robotica, 1998, 16, 517-521.	1.9	3
213	Uncalibrated reconstruction of curved surfaces. Image and Vision Computing, 1999, 17, 617-623.	4.5	3
214	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.	15.6	3
215	Semantic Transform: Weakly Supervised Semantic Inference for Relating Visual Attributes. , 2013, , .		3
216	Calibration of image sequences for model visualisation. , 0, , .		2

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217	Robust Appearance-based Tracking using a sparse Bayesian classifier. , 2006, , .		2
218	Efficient Topological Localization Using Orientation Adjacency Coherence Histograms. , 2006, , .		2
219	Semantic photo synthesis. , 2007, , .		2
220	Colour invariants for machine face recognition. , 2008, , .		2
221	Detecting bipedal motion from correlated probabilistic trajectories. Pattern Recognition Letters, 2013, 34, 1808-1818.	4.2	2
222	Dense Active Appearance Models Using a Bounded Diameter Minimum Spanning Tree. , 2012, , .		2
223	Obtaining the Shape of a Moving Object with a Specular Surface. , 2009, , .		2
224	Live 3D shape reconstruction, recognition and registration. , 2011, , .		1
225	Special Issue on Large-Scale Computer Vision: Geometry, Inference, and Learning. International Journal of Computer Vision, 2014, 110, 241-242.	15.6	1
226	Distances and Means of Direct Similarities. International Journal of Computer Vision, 2015, 112, 285-306.	15.6	1
227	Making a Shallow Network Deep: Growing a Tree from Decision Regions of a Boosting Classifier. , 2010, , .		1
228	Multiple Classifier Boosting and Tree-Structured Classifiers. Studies in Computational Intelligence, 2013, , 163-196.	0.9	1
229	Scale-Invariant Vote-Based 3D Recognition and Registration from Point Clouds. Studies in Computational Intelligence, 2013, , 137-162.	0.9	1
230	Efficient region segmentation through â€˜creep-and-mergeâ€™. Lecture Notes in Computer Science, 1997, , 223-230.	1.3	1
231	The Structure and Motion of Surfaces. , 1999, , 369-391.		1
232	Reconstruction of sculpture from uncalibrated image profiles. , 0, , .		0
233	Showing Different Images to Observers by Using Difference in Retinal Impulse Response. Lecture Notes in Computer Science, 2017, , 718-729.	1.3	0
234	Efficient Large-Scale Semantic Visual Localization in 2D Maps. Lecture Notes in Computer Science, 2021, , 273-288.	1.3	0

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235	Rotation Equivariant Orientation Estimation for Omnidirectional Localization. Lecture Notes in Computer Science, 2021, , 334-350.	1.3	0
236	Towards Artificial Action: Teaching by Showing. , 2001, , 225-236.		0
237	Shape from Profiles. , 2005, , .		0
238	Identifying human face profiles with semi-local integral invariants. Lecture Notes in Computer Science, 1997, , 414-421.	1.3	0
239	Quasi-Invariant Parameterisations and Their Applications in Computer Vision. Lecture Notes in Computer Science, 1999, , 72-92.	1.3	0
240	Measuring Refractive Properties of Human Vision by Showing 4D Light Fields. Lecture Notes in Computer Science, 2017, , 522-533.	1.3	0