

Reinhard Klette

List of Publications by Year in descending order

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284
papers

4,138
citations

218381

26
h-index

197535

49
g-index

314
all docs

314
docs citations

314
times ranked

2803
citing authors

#	ARTICLE	IF	CITATIONS
1	Moment-based multi-lane detection and tracking. Signal Processing: Image Communication, 2021, 95, 116230.	1.8	5
2	Pothole Detection Using Computer Vision and Learning. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3536-3550.	4.7	86
3	Potential of deep learning and snapshot hyperspectral imaging for classification of species in meat. Food Control, 2020, 117, 107332.	2.8	73
4	Lane Detection Algorithm Based on Road Structure and Extended Kalman Filter. International Journal of Digital Crime and Forensics, 2020, 12, 1-20.	0.5	4
5	A comprehensive approach for road marking detection and recognition. Multimedia Tools and Applications, 2020, 79, 17193-17210.	2.6	3
6	Safety Assessment of Radio Frequency and Visible Light Communication for Vehicular Networks. IEEE Wireless Communications, 2020, 27, 186-192.	6.6	4
7	Single image dehazing based on learning of haze layers. Neurocomputing, 2020, 389, 108-122.	3.5	26
8	Image Scene Conversion Algorithm Based on Generative Adversarial Networks. Communications in Computer and Information Science, 2020, , 29-36.	0.4	0
9	Early Diagnosis of Alzheimer's Disease Based on Selective Kernel Network with Spatial Attention. Lecture Notes in Computer Science, 2020, , 503-515.	1.0	7
10	Boundary Extraction of Planar Segments from Clouds of Unorganised Points. Lecture Notes in Computer Science, 2020, , 209-222.	1.0	0
11	Early Diagnosis of Alzheimer's Disease Using Deep Learning. , 2019, , .		44
12	Using Machine Vision to Command a 6-axis Robot Arm to Act on a Randomly Placed Zinc Die Cast Product. , 2019, , .		6
13	Tracking of Load Handling Forklift Trucks and of Pedestrians in Warehouses. Communications in Computer and Information Science, 2019, , 688-697.	0.4	0
14	A Comparison of Transfer Learning Techniques, Deep Convolutional Neural Network and Multilayer Neural Network Methods for the Diagnosis of Glaucomatous Optic Neuropathy. Communications in Computer and Information Science, 2019, , 627-635.	0.4	4
15	Accurate Ellipse Extraction in Low-Quality Images. , 2019, , .		5
16	Surveillance-based Collision-time Analysis of Road-crossing Pedestrians. , 2019, , .		1
17	Accurate 3D Measurement of Highly Specular Surface using Laser and Stereo Reconstruction. , 2019, , .		3
18	On Improving Bounding Box Regression Towards Accurate Object Detection and Tracking. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	A Performance Comparison of Deep Learning Methods for Real-time Localisation of Vehicle Lights in Video Frames. , 2019, , .		7
20	Effects of Ground Manifold Modeling on the Accuracy of Stixel Calculations. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3675-3687.	4.7	7
21	A Sequential CNN Approach for Foreign Object Detection in Hyperspectral Images. Lecture Notes in Computer Science, 2019, , 271-283.	1.0	12
22	Improved Saliency-Enhanced Multi-cue Correlation-Filter-Based Visual Tracking. Lecture Notes in Computer Science, 2019, , 240-254.	1.0	0
23	Measuring Apple Size Distribution from a Near Top-Down Image. Lecture Notes in Computer Science, 2019, , 255-268.	1.0	2
24	A Fused Pattern Recognition Model to Detect Glaucoma Using Retinal Nerve Fiber Layer Thickness Measurements. Lecture Notes in Computer Science, 2019, , 1-12.	1.0	1
25	Saliency Guided Data Association Measure for Multiple-Object Tracking. Communications in Computer and Information Science, 2019, , 29-42.	0.4	0
26	Semantic Segmentation of Grey-Scale Traffic Scenes. Lecture Notes in Computer Science, 2019, , 365-378.	1.0	0
27	Comparing Trackers for Multiple Targets in Warehouses. International Journal of Fuzzy Logic and Intelligent Systems, 2019, 19, 147-157.	0.6	0
28	Multi-objective Visual Odometry. Lecture Notes in Computer Science, 2018, , 62-74.	1.0	0
29	Deep-anomaly: Fully convolutional neural network for fast anomaly detection in crowded scenes. Computer Vision and Image Understanding, 2018, 172, 88-97.	3.0	300
30	Coupled dictionary learning in wavelet domain for Single-Image Super-Resolution. Signal, Image and Video Processing, 2018, 12, 453-461.	1.7	3
31	Large-Scale 3D Roadside Modelling with Road Geometry Analysis: Digital Roads New Zealand. , 2018, , .		2
32	A Multi-frame Stereo Vision-Based Road Profiling Technique for Distress Analysis. , 2018, , .		6
33	GPS and IMU Require Visual Odometry for Elevation Accuracy. , 2018, , .		0
34	Applying NOMA to Undersampled Optical Camera Communication for Vehicular Communication. , 2018, , .		5
35	Automated Glaucoma Diagnosis Using Deep and Transfer Learning: Proposal of a System for Clinical Testing. , 2018, , .		19
36	Deep Spectral-spatial Features of Snapshot Hyperspectral Images for Red-meat Classification. , 2018, , .		12

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37	Superpixel Segmentation Methods on Stereo Fundus Images and Disparity Map for Glaucoma Detection. , 2018, , .		2
38	Visual Odometry and 3D Point Clouds Under Low-Light Conditions. , 2018, , .		3
39	Unsupervised Optic Cup and Optic Disk Segmentation for Glaucoma Detection by ICICA. , 2018, , .		2
40	Detection of Fairy Circles in UAV Images Using Deep Learning. , 2018, , .		2
41	Improved Road Marking Detection and Recognition. , 2018, , .		0
42	Monocular Stixels: A LIDAR-guided Approach. , 2018, , .		1
43	Reducing the Pain: A Novel Tool for Efficient Ground-Truth Labelling in Images. , 2018, , .		7
44	Use of a Confidence Map Towards Improved Multi-layer Stixel Segmentation. , 2018, , .		2
45	Single-image Dehazing Algorithm Based on Convolutional Neural Networks. , 2018, , .		2
46	Chemometrics and hyperspectral imaging applied to assessment of chemical, textural and structural characteristics of meat. Meat Science, 2018, 144, 100-109.	2.7	53
47	Data fusion for efficient height calculation of stixels. , 2018, , .		0
48	Detection of Red-Meat Adulteration by Deep Spectralâ€“Spatial Features in Hyperspectral Images. Journal of Imaging, 2018, 4, 63.	1.7	70
49	Local Fast R-CNN Flow forÂObject-Centric Event Recognition inÂComplex Traffic Scenes. Lecture Notes in Computer Science, 2018, , 439-452.	1.0	4
50	Detection of Adulteration in Red Meat Species Using Hyperspectral Imaging. Lecture Notes in Computer Science, 2018, , 182-196.	1.0	5
51	Lane Detection Based on Road Module and Extended Kalman Filter. Lecture Notes in Computer Science, 2018, , 382-395.	1.0	5
52	Deep Learning-Based Improved Object Recognition in Warehouses. Lecture Notes in Computer Science, 2018, , 350-365.	1.0	1
53	Integrated Multi-scale Event Verification in an Augmented Foreground Motion Space. Lecture Notes in Computer Science, 2018, , 488-500.	1.0	1
54	Blur Estimation for Natural Edge Appearance in Computational Photography. Lecture Notes in Computer Science, 2018, , 300-310.	1.0	0

#	ARTICLE	IF	CITATIONS
55	Vision-Based Driver-Assistance Systems. Computational Imaging and Vision, 2017, , 1-18.	0.6	4
56	Driver-Environment Understanding. Computational Imaging and Vision, 2017, , 19-36.	0.6	0
57	Vehicle Detection and Distance Estimation. Computational Imaging and Vision, 2017, , 147-188.	0.6	1
58	Introduction to the special issue on computer vision in road safety and intelligent traffic. Eurasip Journal on Image and Video Processing, 2017, 2017, .	1.7	4
59	Deep-Cascade: Cascading 3D Deep Neural Networks for Fast Anomaly Detection and Localization in Crowded Scenes. IEEE Transactions on Image Processing, 2017, 26, 1992-2004.	6.0	267
60	Computer Vision for Driver Assistance. Computational Imaging and Vision, 2017, , .	0.6	26
61	Embedded and real-time vehicle detection system for challenging on-road scenes. Optical Engineering, 2017, 56, 063102.	0.5	7
62	STFCN: Spatio-Temporal Fully Convolutional Neural Network for Semantic Segmentation of Street Scenes. Lecture Notes in Computer Science, 2017, , 493-509.	1.0	16
63	Fast and accurate detection and localization of abnormal behavior in crowded scenes. Machine Vision and Applications, 2017, 28, 965-985.	1.7	18
64	Coupled directionally structured dictionaries for single image super-resolution. , 2017, , .		0
65	Extending the stixel world using polynomial ground manifold approximation. , 2017, , .		4
66	An effective graph and depth layer based RGB-D image foreground object extraction method. Computational Visual Media, 2017, 3, 387-393.	10.8	3
67	Road surface distress detection in disparity space. , 2017, , .		8
68	Traffic intersection monitoring using fusion of GMM-based deep learning classification and geometric warping. , 2017, , .		4
69	Stixel optimization: Representing challenging on-road scenes. , 2017, , .		3
70	Substantial improvement of stereo visual odometry by multi-path feature tracking. , 2017, , .		0
71	Improved Stixel Estimation Based on Transitivity Analysis in Disparity Space. Lecture Notes in Computer Science, 2017, , 28-40.	1.0	9
72	Regularised Energy Model for Robust Monocular Ego-motion Estimation. , 2017, , .		1

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73	Coupled multiple dictionary learning based on edge sharpness for single-image super-resolution. , 2016, , .		6
74	Accuracy of free-space detection: Monocular versus binocular vision. , 2016, , .		6
75	When to use what feature? SIFT, SURF, ORB, or A-KAZE features for monocular visual odometry. , 2016, , .		47
76	Detection and spatial analysis of fairy circles. , 2016, , .		1
77	Context-based multi-target tracking with occlusion handling. Machine Vision and Applications, 2016, 27, 1339-1349.	1.7	1
78	Robust Segmentation of Aerial Image Data Recorded for Landscape Ecology Studies. Lecture Notes in Computer Science, 2016, , 61-72.	1.0	2
79	Logarithmically Improved Property Regression for Crowd Counting. Lecture Notes in Computer Science, 2016, , 123-135.	1.0	2
80	Star-effect simulation for photography. Computers and Graphics, 2016, 61, 19-28.	1.4	5
81	Stereo-based bokeh effects for photography. Machine Vision and Applications, 2016, 27, 1325-1337.	1.7	8
82	Multi-scale vehicle logo recognition by directional dense SIFT flow parsing. , 2016, , .		7
83	Adaptive and compressive target tracking based on feature point matching. , 2016, , .		2
84	Visual odometry driven online calibration for monocular LiDAR-camera systems. , 2016, , .		5
85	Fog effect for photography using stereo vision. Visual Computer, 2016, 32, 99-109.	2.5	6
86	Star-Effect Simulation for Photography Using Self-calibrated Stereo Vision. Lecture Notes in Computer Science, 2016, , 228-240.	1.0	1
87	Multi-frame Feature Integration for Multi-camera Visual Odometry. Lecture Notes in Computer Science, 2016, , 27-37.	1.0	1
88	Multi-Run: An Approach for Filling in Missing Information of 3D Roadside Reconstruction. Lecture Notes in Computer Science, 2016, , 192-205.	1.0	0
89	Visual Odometry in Dynamic Environments with Geometric Multi-layer Optimisation. Lecture Notes in Computer Science, 2016, , 183-190.	1.0	0
90	Generalization of Otsu's binarization into recursive colour image segmentation. , 2015, , .		3

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91	Sharpness and contrast measures on videos. , 2015, , .		4
92	A statistical method for line segment detection. Computer Vision and Image Understanding, 2015, 138, 61-73.	3.0	18
93	Real-time anomaly detection and localization in crowded scenes. , 2015, , .		129
94	What Is in Front? Multiple-Object Detection and Tracking with Dynamic Occlusion Handling. Lecture Notes in Computer Science, 2015, , 14-26.	1.0	3
95	Accurate and Robust Line Segment Extraction Using Minimum Entropy With Hough Transform. IEEE Transactions on Image Processing, 2015, 24, 813-822.	6.0	66
96	Robust Vehicle Detection and Distance Estimation Under Challenging Lighting Conditions. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2723-2743.	4.7	96
97	Egomotion Estimation and Reconstruction with Kalman Filters and GPS Integration. Lecture Notes in Computer Science, 2015, , 399-410.	1.0	2
98	Closed form line-segment extraction using the Hough transform. Pattern Recognition, 2015, 48, 4012-4023.	5.1	38
99	A superparticle filter for lane detection. Pattern Recognition, 2015, 48, 3333-3345.	5.1	54
100	Evaluation of two stereo matchers on long real-world video sequences. Pattern Recognition, 2015, 48, 1113-1124.	5.1	9
101	Connectivity calculus of fractal polyhedrons. Pattern Recognition, 2015, 48, 1150-1160.	5.1	11
102	Part-Based RDF for Direction Classification of Pedestrians, and a Benchmark. Lecture Notes in Computer Science, 2015, , 418-432.	1.0	7
103	Bilateral Filtering of 3D Point Clouds for Refined 3D Roadside Reconstructions. Lecture Notes in Computer Science, 2015, , 394-402.	1.0	12
104	Bokeh Effects Based on Stereo Vision. Lecture Notes in Computer Science, 2015, , 198-210.	1.0	8
105	Bundle Adjustment with Implicit Structure Modeling Using a Direct Linear Transform. Lecture Notes in Computer Science, 2015, , 411-422.	1.0	2
106	Unusual Motion Detection for Vision-Based Driver Assistance. International Journal of Fuzzy Logic and Intelligent Systems, 2015, 15, 27-34.	0.6	2
107	Nighttime Vehicle Detection for Heavy Trucks. Lecture Notes in Computer Science, 2015, , 164-175.	1.0	2
108	Stereo-Matching in the Context of Vision-Augmented Vehicles. Lecture Notes in Computer Science, 2015, , 57-69.	1.0	1

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109	Towards Ubiquitous Autonomous Driving: The CCSAD Dataset. Lecture Notes in Computer Science, 2015, , 582-593.	1.0	17
110	Egomotion Estimation by Point-Cloud Back-Mapping. Lecture Notes in Computer Science, 2014, , 228-235.	1.0	0
111	Accurate and Interpretable Bayesian MARS for Traffic Flow Prediction. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2457-2469.	4.7	59
112	Eye Status Based on Eyelid Detection: A Driver Assistance System. Lecture Notes in Computer Science, 2014, , 171-178.	1.0	2
113	Robust Eye Gaze Estimation. Lecture Notes in Computer Science, 2014, , 636-644.	1.0	4
114	Generation of Random Digital Simple Curves with Artistic Emulation. Journal of Mathematical Imaging and Vision, 2014, 48, 53-71.	0.8	0
115	Concise Computer Vision. Undergraduate Topics in Computer Science, 2014, , .	0.1	185
116	Look at the Driver, Look at the Road: No Distraction! No Accident!. , 2014, , .		69
117	Visual lane analysis and higher-order tasks: a concise review. Machine Vision and Applications, 2014, 25, 1519-1547.	1.7	36
118	Improved Visual Odometry based on Transitivity Error in Disparity Space. , 2014, , .		4
119	Matting-Based Stereo Refinement for Computational Photography. , 2014, , .		0
120	Detection of Defined Human Poses for Video Surveillance. , 2014, , .		1
121	Hybrid filter blending to maintain facial expressions in rendered human portraits. International Journal of Arts and Technology, 2014, 7, 128.	0.1	0
122	Stereo Refinement for Photo Editing. Lecture Notes in Computer Science, 2014, , 391-399.	1.0	1
123	Ground Truth and Performance Evaluation of Lane Border Detection. Lecture Notes in Computer Science, 2014, , 66-74.	1.0	5
124	Accurate Silhouette Extraction of a Person in Video Data by Shadow Evaluation. International Journal of Computer Theory and Engineering, 2014, 6, 476-483.	3.2	3
125	Determination of Length and Width of a Line-Segment by Using a Hough Transform. Lecture Notes in Computer Science, 2014, , 190-201.	1.0	2
126	Accuracy of Trajectories Estimation in a Driver-Assistance Context. Lecture Notes in Computer Science, 2014, , 47-58.	1.0	1

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127	Robustness of Point Feature Detection. Lecture Notes in Computer Science, 2013, , 91-99.	1.0	12
128	Iterative Semi-Global Matching for Robust Driver Assistance Systems. Lecture Notes in Computer Science, 2013, , 465-478.	1.0	53
129	Integrated Pedestrian and Direction Classification Using a Random Decision Forest. , 2013, , .		19
130	Belief Propagation stereo matching compared to iSGM on binocular or trinocular video data. , 2013, , .		10
131	Kalman-filter based spatio-temporal disparity integration. Pattern Recognition Letters, 2013, 34, 873-883.	2.6	3
132	Stereo accuracy for collision avoidance for varying collision trajectories. , 2013, , .		5
133	Wrong Roadway Detection for Multi-lane Roads. Lecture Notes in Computer Science, 2013, , 50-58.	1.0	6
134	Novel Adaptive Eye Detection and Tracking for Challenging Lighting Conditions. Lecture Notes in Computer Science, 2013, , 427-440.	1.0	5
135	Hierarchical Scan-Line Dynamic Programming for Optical Flow Using Semi-Global Matching. Lecture Notes in Computer Science, 2013, , 556-567.	1.0	8
136	Third-Eye Stereo Analysis Evaluation Enhanced by Data Measures. Lecture Notes in Computer Science, 2013, , 74-83.	1.0	4
137	Multi-run 3D Streetside Reconstruction from a Vehicle. Lecture Notes in Computer Science, 2013, , 580-588.	1.0	6
138	Landmark Initialization for Unscented Kalman Filter Sensor Fusion in Monocular Camera Localization. International Journal of Fuzzy Logic and Intelligent Systems, 2013, 13, 1-11.	0.6	10
139	Novel Backprojection Method for Monocular Head Pose Estimation. International Journal of Fuzzy Logic and Intelligent Systems, 2013, 13, 50-58.	0.6	8
140	Improved segmentation for footprint recognition of small mammals. , 2012, , .		0
141	Analysis of KITTI Data for Stereo Analysis with Stereo Confidence Measures. Lecture Notes in Computer Science, 2012, , 158-167.	1.0	7
142	3D trajectory estimation of simulated fruit flies. , 2012, , .		2
143	Adaptive Haar-like classifier for eye status detection under non-ideal lighting conditions. , 2012, , .		10
144	Analysis of a shape descriptor: Distance between two shape centroids versus shape diameter. , 2012, , .		0

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145	A new feature detector and stereo matching method for accurate high-performance sparse stereo matching. , 2012, , .		16
146	Evaluation of stereo confidence measures on synthetic and recorded image data. , 2012, , .		3
147	Feature Extraction and Classification for Insect Footprint Recognition. Lecture Notes in Computer Science, 2012, , 196-203.	1.0	0
148	ADR shape descriptor “ Distance between shape centroids versus shape diameter. Computer Vision and Image Understanding, 2012, 116, 690-697.	3.0	5
149	Disparity Confidence Measures on Engineered and Outdoor Data. Lecture Notes in Computer Science, 2012, , 624-631.	1.0	2
150	Tracking of 2D or 3D Irregular Movement by a Family of Unscented Kalman Filters. Journal of Information and Communication Convergence Engineering, 2012, 10, 307-314.	0.2	19
151	City-Scale Modeling for Street Navigation. Journal of Information and Communication Convergence Engineering, 2012, 10, 411-419.	0.2	6
152	Real-World Stereo-Analysis Evaluation. Lecture Notes in Computer Science, 2012, , 52-77.	1.0	0
153	Optimality in combinations of confidence measures for stereo vision. , 2012, , .		0
154	Approximate ground truth in the real world for testing optical flow algorithms. , 2011, , .		0
155	Half-resolution semi-global stereo matching. , 2011, , .		17
156	A comparative study of stereo-matching algorithms for road-modeling in the presence of windscreen wipers. , 2011, , .		11
157	Euclidean Shortest Paths. , 2011, , .		18
158	3D Cascade of Classifiers for Open and Closed Eye Detection in Driver Distraction Monitoring. Lecture Notes in Computer Science, 2011, , 171-179.	1.0	13
159	Performance of Correspondence Algorithms in Vision-Based Driver Assistance Using an Online Image Sequence Database. IEEE Transactions on Vehicular Technology, 2011, 60, 2012-2026.	3.9	40
160	Lane detection and tracking using a new lane model and distance transform. Machine Vision and Applications, 2011, 22, 721-737.	1.7	78
161	Generalised residual images™ effect on illumination artifact removal for correspondence algorithms. Pattern Recognition, 2011, 44, 2034-2046.	5.1	7
162	Simultaneous analysis of driver behaviour and road condition for driver distraction detection. International Journal of Image and Data Fusion, 2011, 2, 217-236.	0.8	15

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163	Ground Truth Evaluation of Stereo Algorithms for Real World Applications. Lecture Notes in Computer Science, 2011, , 152-162.	1.0	12
164	CORRIDOR DETECTION AND TRACKING FOR VISION-BASED DRIVER ASSISTANCE SYSTEM. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 253-272.	0.7	7
165	Advance in vision-based driver assistance. , 2011, , .		5
166	A Comparative Study of Two Vertical Road Modelling Techniques. Lecture Notes in Computer Science, 2011, , 174-183.	1.0	4
167	Spatio-Temporal Stereo Disparity Integration. Lecture Notes in Computer Science, 2011, , 540-547.	1.0	1
168	Mid-level Segmentation and Segment Tracking for Long-Range Stereo Analysis. Lecture Notes in Computer Science, 2011, , 224-235.	1.0	4
169	Paths in Simple Polyhedrons. , 2011, , 213-230.		0
170	Approximate Shortest Paths in Simple Polyhedra. Lecture Notes in Computer Science, 2011, , 513-524.	1.0	1
171	Simulating Artworks through Filter Blending. Lecture Notes in Computer Science, 2011, , 102-111.	1.0	0
172	MAESTRO: Making Art-Enabled Sketches through Randomized Operations. Lecture Notes in Computer Science, 2011, , 318-326.	1.0	0
173	Paths in Cube-Curves. , 2011, , 231-309.		0
174	Rubberband Algorithms. , 2011, , 53-89.		0
175	Convex Hulls in the Plane. , 2011, , 93-125.		2
176	Statistical Modeling of Long-Range Drift in Visual Odometry. Lecture Notes in Computer Science, 2011, , 214-224.	1.0	6
177	Effective Feature Extraction by Trace Transform for Insect Footprint Recognition. Journal of Computational and Theoretical Nanoscience, 2010, 7, 868-875.	0.4	6
178	Stereo panorama acquisition and automatic image disparity adjustment for stereoscopic visualization. Multimedia Tools and Applications, 2010, 47, 353-377.	2.6	17
179	Web-Based Visualization of Media Data for Driver Assistance. , 2010, , .		2
180	Rotating sensor-matrix camera calibration. , 2010, , .		4

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181	Lane Detection on the iPhone. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 198-205.	0.2	11
182	Evaluation of motion analysis on synthetic and real-world image sequences. , 2010, , .		3
183	Fuzzy support vector machine with a fuzzy nearest neighbor classifier for insect footprint classification. , 2010, , .		1
184	Towards benchmarking of real-world stereo data. , 2010, , .		0
185	Modeling of Unbounded Long-Range Drift in Visual Odometry. , 2010, , .		14
186	Artistic Emulation - Filter Blending for Painterly Rendering. , 2010, , .		5
187	A Linear-time Algorithm for the Generation of Random Digital Curves. , 2010, , .		4
188	Current work in multimedia imaging at UoA's Tamaki campus. , 2010, , .		0
189	Tracking Small Artists. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 165-172.	0.2	2
190	Low-Level Image Processing for Lane Detection and Tracking. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 190-197.	0.2	16
191	Benchmarking Stereo Data (Not the Matching Algorithms). Lecture Notes in Computer Science, 2010, , 383-392.	1.0	10
192	Panoramic and 3D Computer Vision. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 9-16.	0.2	2
193	Improving Optical Flow Using Residual and Sobel Edge Images. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 215-222.	0.2	1
194	Automatic track recognition of footprints for identifying cryptic species. Ecology, 2009, 90, 2007-2013.	1.5	30
195	Graph-Cut versus Belief-Propagation Stereo on Real-World Images. Lecture Notes in Computer Science, 2009, , 732-740.	1.0	3
196	Moving Object Segmentation Using Optical Flow and Depth Information. Lecture Notes in Computer Science, 2009, , 611-623.	1.0	58
197	Stereo accuracy for collision avoidance. , 2009, , .		6
198	Affine shape adaptation of blobs moving in 3D space. , 2009, , .		0

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199	Options in using graphics for evaluating correspondence algorithms. , 2009, , .		0
200	Current work in the .enpeda.. project. , 2009, , .		1
201	An approximate algorithm for solving shortest path problems for mobile robots or driver assistance. , 2009, , .		1
202	Robustness evaluation of stereo algorithms on long stereo sequences. , 2009, , .		25
203	General traffic sign recognition by feature matching. , 2009, , .		38
204	Inclusion of a Second-Order Prior into Semi-Global Matching. Lecture Notes in Computer Science, 2009, , 633-644.	1.0	19
205	Monocular 3D Reconstruction of Objects Based on Cylindrical Panoramas. Lecture Notes in Computer Science, 2009, , 60-70.	1.0	5
206	New Lane Model and Distance Transform for Lane Detection and Tracking. Lecture Notes in Computer Science, 2009, , 1044-1052.	1.0	27
207	A Third Eye for Performance Evaluation in Stereo Sequence Analysis. Lecture Notes in Computer Science, 2009, , 1078-1086.	1.0	28
208	Calibration of Rotating Sensors. Lecture Notes in Computer Science, 2009, , 157-164.	1.0	3
209	Fast Trilateral Filtering. Lecture Notes in Computer Science, 2009, , 541-548.	1.0	11
210	Ego-Vehicle Corridors for Vision-Based Driver Assistance. Lecture Notes in Computer Science, 2009, , 238-251.	1.0	2
211	Belief Propagation Implementation Using CUDA on an NVIDIA GTX 280. Lecture Notes in Computer Science, 2009, , 180-189.	1.0	7
212	A Study on Stereo and Motion Data Accuracy for a Moving Platform. Lecture Notes in Computer Science, 2009, , 292-300.	1.0	11
213	Residual Images Remove Illumination Artifacts!. Lecture Notes in Computer Science, 2009, , 472-481.	1.0	10
214	Sensor Pose Estimation from Multi-center Cylindrical Panoramas. Lecture Notes in Computer Science, 2009, , 48-59.	1.0	2
215	A Methodology for Evaluating Illumination Artifact Removal for Corresponding Images. Lecture Notes in Computer Science, 2009, , 1113-1121.	1.0	7
216	Estimating 3D Flow for Driver Assistance Applications. Lecture Notes in Computer Science, 2009, , 237-248.	1.0	3

#	ARTICLE	IF	CITATIONS
217	Border and SurfaceTracing - Theoretical Foundations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 577-590.	9.7	23
218	An approach for evaluating robustness of edge operators using real-world driving scenes. , 2008, , .		5
219	Evaluation of moving object segmentation comparing 6D-vision and monocular motion constraints. , 2008, , .		7
220	Effective feature extraction by trace transform for insect footprint recognition. , 2008, , .		17
221	Differences between stereo and motion behaviour on synthetic and real-world stereo sequences. , 2008, , .		76
222	Data Fusion. , 2008, , 237-256.		0
223	Cameras and Sensors. , 2008, , 23-48.		0
224	Spatial Alignments. , 2008, , 49-80.		0
225	Spatial Sampling. , 2008, , 145-166.		0
226	Image Quality Control. , 2008, , 167-189.		0
227	Sensor Analysis and Design. , 2008, , 191-215.		0
228	3D Meshing and Visualization. , 2008, , 217-236.		0
229	Epipolar Geometry. , 2008, , 81-98.		0
230	Sensor Calibration. , 2008, , 99-144.		0
231	An Approximate Algorithm for Solving the Watchman Route Problem. , 2008, , 189-206.		9
232	Belief-Propagation on Edge Images for Stereo Analysis of Image Sequences. , 2008, , 291-302.		16
233	Stereo-Vision-Support for Intelligent Vehicles - The Need for Quantified Evidence. Lecture Notes in Computer Science, 2008, , 1-17.	1.0	4
234	Pose Estimation for Sensors Which Capture Cylindric Panoramas. Lecture Notes in Computer Science, 2008, , 593-601.	1.0	0

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