

Reinhard Klette

List of Publications by Year in descending order

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Version: 2024-02-01

284

papers

4,138

citations

218677

26

h-index

197818

49

g-index

314

all docs

314

docs citations

314

times ranked

2803

citing authors

#	ARTICLE	IF	CITATIONS
1	Deep-anomaly: Fully convolutional neural network for fast anomaly detection in crowded scenes. Computer Vision and Image Understanding, 2018, 172, 88-97.	4.7	300
2	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.	9.8	267
3	Concise Computer Vision. Undergraduate Topics in Computer Science, 2014, , .	0.2	185
4	Real-time anomaly detection and localization in crowded scenes. , 2015, , .		129
5	Digital straightnessâ€”a review. Discrete Applied Mathematics, 2004, 139, 197-230.	0.9	115
6	Robust Vehicle Detection and Distance Estimation Under Challenging Lighting Conditions. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2723-2743.	8.0	96
7	Pothole Detection Using Computer Vision and Learning. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3536-3550.	8.0	86
8	A comparative evaluation of length estimators of digital curves. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 252-258.	13.9	79
9	Lane detection and tracking using a new lane model and distance transform. Machine Vision and Applications, 2011, 22, 721-737.	2.7	78
10	Differences between stereo and motion behaviour on synthetic and real-world stereo sequences. , 2008, , .		76
11	Potential of deep learning and snapshot hyperspectral imaging for classification of species in meat. Food Control, 2020, 117, 107332.	5.5	73
12	Detection of Red-Meat Adulteration by Deep Spectralâ€”Spatial Features in Hyperspectral Images. Journal of Imaging, 2018, 4, 63.	3.0	70
13	Look at the Driver, Look at the Road: No Distraction! No Accident!. , 2014, , .		69
14	Accurate and Robust Line Segment Extraction Using Minimum Entropy With Hough Transform. IEEE Transactions on Image Processing, 2015, 24, 813-822.	9.8	66
15	Digital planarityâ€”A review. Discrete Applied Mathematics, 2007, 155, 468-495.	0.9	60
16	Accurate and Interpretable Bayesian MARS for Traffic Flow Prediction. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2457-2469.	8.0	59
17	Moving Object Segmentation Using Optical Flow and Depth Information. Lecture Notes in Computer Science, 2009, , 611-623.	1.3	58
18	A superparticle filter for lane detection. Pattern Recognition, 2015, 48, 3333-3345.	8.1	54

#	ARTICLE	IF	CITATIONS
19	Iterative Semi-Global Matching for Robust Driver Assistance Systems. Lecture Notes in Computer Science, 2013, , 465-478.	1.3	53
20	Chemometrics and hyperspectral imaging applied to assessment of chemical, textural and structural characteristics of meat. Meat Science, 2018, 144, 100-109.	5.5	53
21	Multigrid Convergence of Calculated Features in Image Analysis. , 2000, 13, 173-191.		51
22	Degree of adjacency or surroundedness. Pattern Recognition, 1985, 18, 169-177.	8.1	49
23	When to use what feature? SIFT, SURF, ORB, or A-KAZE features for monocular visual odometry. , 2016, , .		47
24	Early Diagnosis of Alzheimer's Disease Using Deep Learning. , 2019, , .		44
25	Digital Straightness. Electronic Notes in Theoretical Computer Science, 2001, 46, 1-32.	0.9	42
26	Performance of Correspondence Algorithms in Vision-Based Driver Assistance Using an Online Image Sequence Database. IEEE Transactions on Vehicular Technology, 2011, 60, 2012-2026.	6.3	40
27	General traffic sign recognition by feature matching. , 2009, , .		38
28	Closed form line-segment extraction using the Hough transform. Pattern Recognition, 2015, 48, 4012-4023.	8.1	38
29	Visual lane analysis and higher-order tasks: a concise review. Machine Vision and Applications, 2014, 25, 1519-1547.	2.7	36
30	<title>Height data from gradient maps</title>. , 1996, 2908, 204.		32
31	A system for articulated tracking incorporating a clothing model. Machine Vision and Applications, 2007, 18, 25-40.	2.7	32
32	A Comparative Study on 2D Curvature Estimators. , 2007, , .		30
33	Automatic track recognition of footprints for identifying cryptic species. Ecology, 2009, 90, 2007-2013.	3.2	30
34	A Third Eye for Performance Evaluation in Stereo Sequence Analysis. Lecture Notes in Computer Science, 2009, , 1078-1086.	1.3	28
35	A Parametrization of Digital Planes by Least-Squares Fits and Generalizations. Graphical Models, 1996, 58, 295-300.	1.3	27
36	New Lane Model and Distance Transform for Lane Detection and Tracking. Lecture Notes in Computer Science, 2009, , 1044-1052.	1.3	27

#	ARTICLE	IF	CITATIONS
37	Computer Vision for Driver Assistance. Computational Imaging and Vision, 2017, , .	0.6	26
38	Single image dehazing based on learning of haze layers. Neurocomputing, 2020, 389, 108-122.	5.9	26
39	Robustness evaluation of stereo algorithms on long stereo sequences. , 2009, , .		25
40	The m-dimensional grid point space. Computer Vision, Graphics, and Image Processing, 1985, 30, 1-12.	1.0	24
41	Border and Surface Tracing - Theoretical Foundations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 577-590.	13.9	23
42	<title>Cell complexes through time</title>. , 2000, 4117, 134.		21
43	Digital curves in 3D space and a linear-time length estimation algorithm. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 962-970.	13.9	21
44	Digital Approximation of Moments of Convex Regions. Graphical Models, 1999, 61, 274-298.	1.3	19
45	Integrated Pedestrian and Direction Classification Using a Random Decision Forest. , 2013, , .		19
46	Automated Glaucoma Diagnosis Using Deep and Transfer Learning: Proposal of a System for Clinical Testing. , 2018, , .		19
47	Inclusion of a Second-Order Prior into Semi-Global Matching. Lecture Notes in Computer Science, 2009, , 633-644.	1.3	19
48	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
49	<title>Surface area estimation for digitized regular solids</title>. , 2000, , .		18
50	Euclidean Shortest Paths. , 2011, , .		18
51	A statistical method for line segment detection. Computer Vision and Image Understanding, 2015, 138, 61-73.	4.7	18
52	Fast and accurate detection and localization of abnormal behavior in crowded scenes. Machine Vision and Applications, 2017, 28, 965-985.	2.7	18
53	Effective feature extraction by trace transform for insect footprint recognition. , 2008, , .		17
54	Stereo panorama acquisition and automatic image disparity adjustment for stereoscopic visualization. Multimedia Tools and Applications, 2010, 47, 353-377.	3.9	17

#	ARTICLE	IF	CITATIONS
55	Half-resolution semi-global stereo matching. , 2011, , .		17
56	Towards Ubiquitous Autonomous Driving: The CCSAD Dataset. Lecture Notes in Computer Science, 2015, , 582-593.	1.3	17
57	A new feature detector and stereo matching method for accurate high-performance sparse stereo matching. , 2012, , .		16
58	STFCN: Spatio-Temporal Fully Convolutional Neural Network for Semantic Segmentation of Street Scenes. Lecture Notes in Computer Science, 2017, , 493-509.	1.3	16
59	Belief-Propagation on Edge Images for Stereo Analysis of Image Sequences. , 2008, , 291-302.		16
60	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.	0.3	16
61	Measures of correspondence between binary patterns. Image and Vision Computing, 1987, 5, 287-295.	4.5	15
62	Simultaneous analysis of driver behaviour and road condition for driver distraction detection. International Journal of Image and Data Fusion, 2011, 2, 217-236.	1.7	15
63	Digital geometry. Information Sciences, 2002, 148, 123-127.	6.9	14
64	Modeling of Unbounded Long-Range Drift in Visual Odometry. , 2010, , .		14
65	3D Cascade of Classifiers for Open and Closed Eye Detection in Driver Distraction Monitoring. Lecture Notes in Computer Science, 2011, , 171-179.	1.3	13
66	Analysis of the rubberband algorithm. Image and Vision Computing, 2007, 25, 1588-1598.	4.5	12
67	Ground Truth Evaluation of Stereo Algorithms for Real World Applications. Lecture Notes in Computer Science, 2011, , 152-162.	1.3	12
68	Robustness of Point Feature Detection. Lecture Notes in Computer Science, 2013, , 91-99.	1.3	12
69	Deep Spectral-spatial Features of Snapshot Hyperspectral Images for Red-meat Classification. , 2018, , .		12
70	A Sequential CNN Approach for Foreign Object Detection in Hyperspectral Images. Lecture Notes in Computer Science, 2019, , 271-283.	1.3	12
71	Bilateral Filtering of 3D Point Clouds for Refined 3D Roadside Reconstructions. Lecture Notes in Computer Science, 2015, , 394-402.	1.3	12
72	Curves, Hypersurfaces, and Good Pairs of Adjacency Relations. Lecture Notes in Computer Science, 2004, , 276-290.	1.3	12

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73	Lane Detection on the iPhone. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 198-205.	0.3	11
74	A comparative study of stereo-matching algorithms for road-modeling in the presence of windscreen wipers. , 2011, , .		11
75	Connectivity calculus of fractal polyhedrons. Pattern Recognition, 2015, 48, 1150-1160.	8.1	11
76	Fast Trilateral Filtering. Lecture Notes in Computer Science, 2009, , 541-548.	1.3	11
77	A Study on Stereo and Motion Data Accuracy for a Moving Platform. Lecture Notes in Computer Science, 2009, , 292-300.	1.3	11
78	Comparative Studies of Line-based Panoramic Camera Calibration. , 2003, , .		10
79	Rubberband Algorithms for Solving Various 2D or 3D Shortest Path Problems. , 2007, , .		10
80	Adaptive Haar-like classifier for eye status detection under non-ideal lighting conditions. , 2012, , .		10
81	Belief Propagation stereo matching compared to iSGM on binocular or trinocular video data. , 2013, , .		10
82	A fuzzy syntactic method for on-line handwriting recognition. Lecture Notes in Computer Science, 1996, , 381-392.	1.3	10
83	Digital Geometry – The Birth of a New Discipline. , 2001, , 33-71.		10
84	Benchmarking Stereo Data (Not the Matching Algorithms). Lecture Notes in Computer Science, 2010, , 383-392.	1.3	10
85	Landmark Initialization for Unscented Kalman Filter Sensor Fusion in Monocular Camera Localization. International Journal of Fuzzy Logic and Intelligent Systems, 2013, 13, 1-11.	1.1	10
86	Residual Images Remove Illumination Artifacts!. Lecture Notes in Computer Science, 2009, , 472-481.	1.3	10
87	Evaluation of two stereo matchers on long real-world video sequences. Pattern Recognition, 2015, 48, 1113-1124.	8.1	9
88	Improved Stixel Estimation Based on Transitivity Analysis in Disparity Space. Lecture Notes in Computer Science, 2017, , 28-40.	1.3	9
89	An Approximate Algorithm for Solving the Watchman Route Problem. , 2008, , 189-206.		9
90	Stereo-based bokeh effects for photography. Machine Vision and Applications, 2016, 27, 1325-1337.	2.7	8

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91	Road surface distress detection in disparity space. , 2017, , .		8
92	Bokeh Effects Based on Stereo Vision. Lecture Notes in Computer Science, 2015, , 198-210.	1.3	8
93	Hierarchical Scan-Line Dynamic Programming for Optical Flow Using Semi-Global Matching. Lecture Notes in Computer Science, 2013, , 556-567.	1.3	8
94	Novel Backprojection Method for Monocular Head Pose Estimation. International Journal of Fuzzy Logic and Intelligent Systems, 2013, 13, 50-58.	1.1	8
95	On the approximation of convex hulls of finite grid point sets. Pattern Recognition Letters, 1983, 2, 19-22.	4.2	7
96	Evaluation of moving object segmentation comparing 6D-vision and monocular motion constraints. , 2008, , .		7
97	Generalised residual imagesâ€™ effect on illumination artifact removal for correspondence algorithms. Pattern Recognition, 2011, 44, 2034-2046.	8.1	7
98	CORRIDOR DETECTION AND TRACKING FOR VISION-BASED DRIVER ASSISTANCE SYSTEM. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 253-272.	1.2	7
99	Analysis of KITTI Data for Stereo Analysis with Stereo Confidence Measures. Lecture Notes in Computer Science, 2012, , 158-167.	1.3	7
100	Multi-scale vehicle logo recognition by directional dense SIFT flow parsing. , 2016, , .		7
101	Embedded and real-time vehicle detection system for challenging on-road scenes. Optical Engineering, 2017, 56, 063102.	1.0	7
102	Reducing the Pain: A Novel Tool for Efficient Ground-Truth Labelling in Images. , 2018, , .		7
103	A Performance Comparison of Deep Learning Methods for Real-time Localisation of Vehicle Lights in Video Frames. , 2019, , .		7
104	Effects of Ground Manifold Modeling on the Accuracy of Stixel Calculations. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3675-3687.	8.0	7
105	Part-Based RDF for Direction Classification of Pedestrians, and a Benchmark. Lecture Notes in Computer Science, 2015, , 418-432.	1.3	7
106	Belief Propagation Implementation Using CUDA on an NVIDIA GTX 280. Lecture Notes in Computer Science, 2009, , 180-189.	1.3	7
107	Minimum-Length Polygons in Approximation Sausages. Lecture Notes in Computer Science, 2001, , 103-112.	1.3	7
108	A Methodology for Evaluating Illumination Artifact Removal for Corresponding Images. Lecture Notes in Computer Science, 2009, , 1113-1121.	1.3	7

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109	Early Diagnosis of Alzheimer's Disease Based on Selective Kernel Network with Spatial Attention. Lecture Notes in Computer Science, 2020, , 503-515.	1.3	7
110	Stereo accuracy for collision avoidance. , 2009, , .		6
111	Effective Feature Extraction by Trace Transform for Insect Footprint Recognition. Journal of Computational and Theoretical Nanoscience, 2010, 7, 868-875.	0.4	6
112	Wrong Roadway Detection for Multi-lane Roads. Lecture Notes in Computer Science, 2013, , 50-58.	1.3	6
113	Coupled multiple dictionary learning based on edge sharpness for single-image super-resolution. , 2016, , .		6
114	Accuracy of free-space detection: Monocular versus binocular vision. , 2016, , .		6
115	Fog effect for photography using stereo vision. Visual Computer, 2016, 32, 99-109.	3.5	6
116	A Multi-frame Stereo Vision-Based Road Profiling Technique for Distress Analysis. , 2018, , .		6
117	Using Machine Vision to Command a 6-axis Robot Arm to Act on a Randomly Placed Zinc Die Cast Product. , 2019, , .		6
118	A Wavelet-Based Algorithm for Height from Gradients. Lecture Notes in Computer Science, 2001, , 84-90.	1.3	6
119	Silhouette Based Human Motion Estimation. Lecture Notes in Computer Science, 2004, , 294-301.	1.3	6
120	Minimum-Length Polygon of a Simple Cube-Curve in 3D Space. Lecture Notes in Computer Science, 2004, , 502-511.	1.3	6
121	Segmentation of Scanned Insect Footprints Using ART2 for Threshold Selection. Lecture Notes in Computer Science, 2007, , 311-320.	1.3	6
122	Multi-run 3D Streetside Reconstruction from a Vehicle. Lecture Notes in Computer Science, 2013, , 580-588.	1.3	6
123	<title>Interactions between number theory and image analysis</title>. , 2000, , .		6
124	City-Scale Modeling for Street Navigation. Journal of Information and Communication Convergence Engineering, 2012, 10, 411-419.	0.2	6
125	The Class of Simple Cube-Curves Whose MLPs Cannot Have Vertices at Grid Points. Lecture Notes in Computer Science, 2005, , 183-194.	1.3	6
126	Statistical Modeling of Long-Range Drift in Visual Odometry. Lecture Notes in Computer Science, 2011, , 214-224.	1.3	6

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127	Indexmengen und Erkennung Rekursiver Funktionen. Zeitschrift für Mathematische Logik Und Grundlagen Der Mathematik, 1976, 22, 231-238.	0.2	5
128	<title>Topology of grid continua</title>. , 1998, , .		5
129	An approach for evaluating robustness of edge operators using real-world driving scenes. , 2008, , .		5
130	Artistic Emulation - Filter Blending for Painterly Rendering. , 2010, , .		5
131	Advance in vision-based driver assistance. , 2011, , .		5
132	ADR shape descriptor “ Distance between shape centroids versus shape diameter. Computer Vision and Image Understanding, 2012, 116, 690-697.	4.7	5
133	Stereo accuracy for collision avoidance for varying collision trajectories. , 2013, , .		5
134	Star-effect simulation for photography. Computers and Graphics, 2016, 61, 19-28.	2.5	5
135	Visual odometry driven online calibration for monocular LiDAR-camera systems. , 2016, , .		5
136	Applying NOMA to Undersampled Optical Camera Communication for Vehicular Communication. , 2018, , .		5
137	Accurate Ellipse Extraction in Low-Quality Images. , 2019, , .		5
138	Moment-based multi-lane detection and tracking. Signal Processing: Image Communication, 2021, 95, 116230.	3.2	5
139	Automatic Human Model Generation. Lecture Notes in Computer Science, 2005, , 41-48.	1.3	5
140	Ground Truth and Performance Evaluation of Lane Border Detection. Lecture Notes in Computer Science, 2014, , 66-74.	1.3	5
141	Detection of Adulteration in Red Meat Species Using Hyperspectral Imaging. Lecture Notes in Computer Science, 2018, , 182-196.	1.3	5
142	Lane Detection Based on Road Module and Extended Kalman Filter. Lecture Notes in Computer Science, 2018, , 382-395.	1.3	5
143	Monocular 3D Reconstruction of Objects Based on Cylindrical Panoramas. Lecture Notes in Computer Science, 2009, , 60-70.	1.3	5
144	Novel Adaptive Eye Detection and Tracking for Challenging Lighting Conditions. Lecture Notes in Computer Science, 2013, , 427-440.	1.3	5

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145	Algorithms for testing convexity of digital polygons. Computer Graphics and Image Processing, 1981, 16, 177-184.	0.8	4
146	Angle counts for isothetic polygons and polyhedra. Pattern Recognition Letters, 2003, 24, 1275-1278.	4.2	4
147	Rotating sensor-matrix camera calibration. , 2010, , .		4
148	A Linear-time Algorithm for the Generation of Random Digital Curves. , 2010, , .		4
149	Robust Eye Gaze Estimation. Lecture Notes in Computer Science, 2014, , 636-644.	1.3	4
150	Improved Visual Odometry based on Transitivity Error in Disparity Space. , 2014, , .		4
151	Sharpness and contrast measures on videos. , 2015, , .		4
152	Vision-Based Driver-Assistance Systems. Computational Imaging and Vision, 2017, , 1-18.	0.6	4
153	Introduction to the special issue on computer vision in road safety and intelligent traffic. Eurasip Journal on Image and Video Processing, 2017, 2017, .	2.6	4
154	Extending the stixel world using polynomial ground manifold approximation. , 2017, , .		4
155	Traffic intersection monitoring using fusion of GMM-based deep learning classification and geometric warping. , 2017, , .		4
156	Local Fast R-CNN Flow for Object-Centric Event Recognition in Complex Traffic Scenes. Lecture Notes in Computer Science, 2018, , 439-452.	1.3	4
157	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.	0.5	4
158	Lane Detection Algorithm Based on Road Structure and Extended Kalman Filter. International Journal of Digital Crime and Forensics, 2020, 12, 1-20.	0.7	4
159	Safety Assessment of Radio Frequency and Visible Light Communication for Vehicular Networks. IEEE Wireless Communications, 2020, 27, 186-192.	9.0	4
160	Multigrid Convergence of Geometric Features. Lecture Notes in Computer Science, 2001, , 318-338.	1.3	4
161	A Comparative Study of Two Vertical Road Modelling Techniques. Lecture Notes in Computer Science, 2011, , 174-183.	1.3	4
162	Mid-level Segmentation and Segment Tracking for Long-Range Stereo Analysis. Lecture Notes in Computer Science, 2011, , 224-235.	1.3	4

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163	Third-Eye Stereo Analysis Evaluation Enhanced by Data Measures. Lecture Notes in Computer Science, 2013, , 74-83.	1.3	4
164	Stereo-Vision-Support for Intelligent Vehicles - The Need for Quantified Evidence. Lecture Notes in Computer Science, 2008, , 1-17.	1.3	4
165	Graph-Cut versus Belief-Propagation Stereo on Real-World Images. Lecture Notes in Computer Science, 2009, , 732-740.	1.3	3
166	Evaluation of motion analysis on synthetic and real-world image sequences. , 2010, , .		3
167	Evaluation of stereo confidence measures on synthetic and recorded image data. , 2012, , .		3
168	Kalman-filter based spatio-temporal disparity integration. Pattern Recognition Letters, 2013, 34, 873-883.	4.2	3
169	Generalization of Otsu's binarization into recursive colour image segmentation. , 2015, , .		3
170	What Is in Front? Multiple-Object Detection and Tracking with Dynamic Occlusion Handling. Lecture Notes in Computer Science, 2015, , 14-26.	1.3	3
171	An effective graph and depth layer based RGB-D image foreground object extraction method. Computational Visual Media, 2017, 3, 387-393.	17.5	3
172	Stixel optimization: Representing challenging on-road scenes. , 2017, , .		3
173	Coupled dictionary learning in wavelet domain for Single-Image Super-Resolution. Signal, Image and Video Processing, 2018, 12, 453-461.	2.7	3
174	Visual Odometry and 3D Point Clouds Under Low-Light Conditions. , 2018, , .		3
175	Accurate 3D Measurement of Highly Specular Surface using Laser and Stereo Reconstruction. , 2019, , .		3
176	A comprehensive approach for road marking detection and recognition. Multimedia Tools and Applications, 2020, 79, 17193-17210.	3.9	3
177	Calibration of Rotating Sensors. Lecture Notes in Computer Science, 2009, , 157-164.	1.3	3
178	Accurate Silhouette Extraction of a Person in Video Data by Shadow Evaluation. International Journal of Computer Theory and Engineering, 2014, 6, 476-483.	3.4	3
179	Estimating 3D Flow for Driver Assistance Applications. Lecture Notes in Computer Science, 2009, , 237-248.	1.3	3
180	<title>Toward experimental studies of digital moment convergence</title>. , 2000, 4117, 12.		2

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181	Web-Based Visualization of Media Data for Driver Assistance. , 2010, , .		2
182	3D trajectory estimation of simulated fruit flies. , 2012, , .		2
183	Eye Status Based on Eyelid Detection: A Driver Assistance System. Lecture Notes in Computer Science, 2014, , 171-178.	1.3	2
184	Egomotion Estimation and Reconstruction with Kalman Filters and GPS Integration. Lecture Notes in Computer Science, 2015, , 399-410.	1.3	2
185	Robust Segmentation of Aerial Image Data Recorded for Landscape Ecology Studies. Lecture Notes in Computer Science, 2016, , 61-72.	1.3	2
186	Logarithmically Improved Property Regression for Crowd Counting. Lecture Notes in Computer Science, 2016, , 123-135.	1.3	2
187	Adaptive and compressive target tracking based on feature point matching. , 2016, , .		2
188	Large-Scale 3D Roadside Modelling with Road Geometry Analysis: Digital Roads New Zealand. , 2018, , .		2
189	Superpixel Segmentation Methods on Stereo Fundus Images and Disparity Map for Glaucoma Detection. , 2018, , .		2
190	Unsupervised Optic Cup and Optic Disk Segmentation for Glaucoma Detection by ICICA. , 2018, , .		2
191	Detection of Fairy Circles in UAV Images Using Deep Learning. , 2018, , .		2
192	Use of a Confidence Map Towards Improved Multi-layer Stixel Segmentation. , 2018, , .		2
193	Single-image Dehazing Algorithm Based on Convolutional Neural Networks. , 2018, , .		2
194	Surface Registration Markers from Range Scan Data. Lecture Notes in Computer Science, 2006, , 430-444.	1.3	2
195	Bundle Adjustment with Implicit Structure Modeling Using a Direct Linear Transform. Lecture Notes in Computer Science, 2015, , 411-422.	1.3	2
196	Ego-Vehicle Corridors for Vision-Based Driver Assistance. Lecture Notes in Computer Science, 2009, , 238-251.	1.3	2
197	Tracking Small Artists. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 165-172.	0.3	2
198	Disparity Confidence Measures on Engineered and Outdoor Data. Lecture Notes in Computer Science, 2012, , 624-631.	1.3	2

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199	Unusual Motion Detection for Vision-Based Driver Assistance. International Journal of Fuzzy Logic and Intelligent Systems, 2015, 15, 27-34.	1.1	2
200	Geometric Algebra for Pose Estimation and Surface Morphing in Human Motion Estimation. Lecture Notes in Computer Science, 2004, , 583-596.	1.3	2
201	Efficient Computation of the Lovász Theta Function for a Class of Circulant Graphs. Lecture Notes in Computer Science, 2004, , 285-295.	1.3	2
202	Calculating the Number of Tunnels. Lecture Notes in Computer Science, 2008, , 421-428.	1.3	2
203	On Depth Recovery from Gradient Vector Fields. Statistical Science and Interdisciplinary Research, 2008, , 75-95.	0.0	2
204	Euclidean Shortest Paths in a Simple Polygon. Statistical Science and Interdisciplinary Research, 2008, , 1-24.	0.0	2
205	Sensor Pose Estimation from Multi-center Cylindrical Panoramas. Lecture Notes in Computer Science, 2009, , 48-59.	1.3	2
206	Panoramic and 3D Computer Vision. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 9-16.	0.3	2
207	Convex Hulls in the Plane. , 2011, , 93-125.		2
208	Determination of Length and Width of a Line-Segment by Using a Hough Transform. Lecture Notes in Computer Science, 2014, , 190-201.	1.3	2
209	Nighttime Vehicle Detection for Heavy Trucks. Lecture Notes in Computer Science, 2015, , 164-175.	1.3	2
210	Measuring Apple Size Distribution from a Near Top-Down Image. Lecture Notes in Computer Science, 2019, , 255-268.	1.3	2
211	Combinatorics on Adjacency Graphs and Incidence Pseudographs. Electronic Notes in Discrete Mathematics, 2003, 12, 302-324.	0.4	1
212	Current work in the .enpeda.. project. , 2009, , .		1
213	An approximate algorithm for solving shortest path problems for mobile robots or driver assistance. , 2009, , .		1
214	Fuzzy support vector machine with a fuzzy nearest neighbor classifier for insect footprint classification. , 2010, , .		1
215	Detection of Defined Human Poses for Video Surveillance. , 2014, , .		1
216	Detection and spatial analysis of fairy circles. , 2016, , .		1

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217	Context-based multi-target tracking with occlusion handling. Machine Vision and Applications, 2016, 27, 1339-1349.	2.7	1
218	Vehicle Detection and Distance Estimation. Computational Imaging and Vision, 2017, , 147-188.	0.6	1
219	Monocular Stixels: A LIDAR-guided Approach. , 2018, , .		1
220	Surveillance-based Collision-time Analysis of Road-crossing Pedestrians. , 2019, , .		1
221	On Improving Bounding Box Regression Towards Accurate Object Detection and Tracking. , 2019, , .		1
222	Stereo Refinement for Photo Editing. Lecture Notes in Computer Science, 2014, , 391-399.	1.3	1
223	Star-Effect Simulation for Photography Using Self-calibrated Stereo Vision. Lecture Notes in Computer Science, 2016, , 228-240.	1.3	1
224	Multi-frame Feature Integration for Multi-camera Visual Odometry. Lecture Notes in Computer Science, 2016, , 27-37.	1.3	1
225	Spatio-Temporal Stereo Disparity Integration. Lecture Notes in Computer Science, 2011, , 540-547.	1.3	1
226	Regularised Energy Model for Robust Monocular Ego-motion Estimation. , 2017, , .		1
227	A Comparison of Feature Measurements for Kinetic Studies on Human Bodies. Lecture Notes in Computer Science, 2001, , 43-51.	1.3	1
228	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.	0.3	1
229	Approximate Shortest Paths in Simple Polyhedra. Lecture Notes in Computer Science, 2011, , 513-524.	1.3	1
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