

# Kang-Hyun Jo

## List of Publications by Year in descending order

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304  
papers

2,186  
citations

489802

18  
h-index

536525

29  
g-index

326  
all docs

326  
docs citations

326  
times ranked

1483  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accurate Bounding Box Prediction for Single-Shot Object Detection. IEEE Transactions on Industrial Informatics, 2022, 18, 5961-5971.	7.2	5
2	An Efficient Face Detector on a CPU Using Dual-Camera Sensors for Intelligent Surveillance Systems. IEEE Sensors Journal, 2022, 22, 565-574.	2.4	5
3	A Fast CPU Real-Time Facial Expression Detector Using Sequential Attention Network for Human-Robot Interaction. IEEE Transactions on Industrial Informatics, 2022, 18, 7665-7674.	7.2	16
4	Facemask Wearing Alert System Based on Simple Architecture With Low-Computing Devices. IEEE Access, 2022, 10, 29972-29981.	2.6	2
5	Fast LiDAR R-CNN: Residual Relation-Aware Region Proposal Networks for Multiclass 3-D Object Detection. IEEE Sensors Journal, 2022, 22, 12323-12331.	2.4	8
6	Sequence Recognition of Indoor Tennis Actions Using Transfer Learning and Long Short-Term Memory. Communications in Computer and Information Science, 2022, , 312-324.	0.4	4
7	Driver Behaviors Recognizer Based on Light-Weight Convolutional Neural Network Architecture and Attention Mechanism. IEEE Access, 2022, 10, 71019-71029.	2.6	4
8	Improved Change Detector Using Dual-Camera Sensors for Intelligent Surveillance Systems. IEEE Sensors Journal, 2021, 21, 11435-11442.	2.4	9
9	3-D Facial Landmarks Detection for Intelligent Video Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 578-586.	7.2	18
10	High Performance and Efficient Real-Time Face Detector on Central Processing Unit Based on Convolutional Neural Network. IEEE Transactions on Industrial Informatics, 2021, 17, 4449-4457.	7.2	15
11	Deep Atrous Spatial Features-Based Supervised Foreground Detection Algorithm for Industrial Surveillance Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 4818-4826.	7.2	12
12	Person Browser System Based on Named Entity Recognition for Broadcast News Interview Videos. International Journal of Control, Automation and Systems, 2021, 19, 186-199.	1.6	0
13	Enhanced Unsupervised Change Detector for Industrial Surveillance Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 8973-8981.	5.2	7
14	Integrated Feature Pyramid Network With Feature Aggregation for Traffic Sign Detection. IEEE Access, 2021, 9, 117784-117794.	2.6	21
15	Recognition of Multiple Panamanian Watermelon Varieties Based on Feature Extraction Analysis. Lecture Notes in Computer Science, 2021, , 65-75.	1.0	1
16	Dual Camera-Based Supervised Foreground Detection for Low-End Video Surveillance Systems. IEEE Sensors Journal, 2021, 21, 9359-9366.	2.4	12
17	Practical Analysis on Architecture of EfficientNet. , 2021, , .		10
18	Three-Attention Mechanisms for One-Stage 3-D Object Detection Based on LiDAR and Camera. IEEE Transactions on Industrial Informatics, 2021, 17, 6655-6663.	7.2	21

#	ARTICLE	IF	CITATIONS
19	Fast and Accurate 3D Object Detection for Lidar-Camera-Based Autonomous Vehicles Using One Shared Voxel-Based Backbone. IEEE Access, 2021, 9, 22080-22089.	2.6	48
20	A Lightweight Attention Fusion Module for Multi-sensor 3-D Object Detection. Lecture Notes in Computer Science, 2021, , 802-815.	1.0	0
21	Unsupervised Person Re-Identification with Transformer-based Network for Intelligent Surveillance Systems. , 2021, , .		1
22	A Lightweight One-Stage 3D Object Detector Based on LiDAR and Camera Sensors. , 2021, , .		2
23	Triple Detector based on Feature Pyramid Network for License Plate Detection and Recognition System in Unusual Conditions. , 2021, , .		4
24	Fully Unsupervised Person Re-Identification via Multiple Pseudo Labels Joint Training. IEEE Access, 2021, 9, 165120-165131.	2.6	6
25	Moving Object Detection based on Deep Atrous Spatial Features for Moving Camera. , 2020, , .		3
26	Real Time Operator Focus Monitoring System Based on a Brain-Computer Interface. , 2020, , .		1
27	Realtime Multi-Person Pose Estimation with RCNN and Depthwise Separable Convolution. , 2020, , .		7
28	Enhanced Feature Pyramid Networks by Feature Aggregation Module and Refinement Module. , 2020, , .		4
29	Fast Face-CPU: A Real-time Fast Face Detector on CPU Using Deep Learning. , 2020, , .		5
30	Lightweight Convolutional Neural Network for Real-Time Face Detector on CPU Supporting Interaction of Service Robot. , 2020, , .		14
31	An Adaptive Batch-Image Based Driver Status Monitoring System on a Lightweight GPU-Equipped SBC. IEEE Access, 2020, 8, 206074-206087.	2.6	10
32	LiDAR-Camera-Based Deep Dense Fusion for Robust 3D Object Detection. Lecture Notes in Computer Science, 2020, , 133-144.	1.0	4
33	Simple Fine-Tuning Attention Modules for Human Pose Estimation. Communications in Computer and Information Science, 2020, , 175-185.	0.4	3
34	A Dual Attention Module for Real-time Facial Expression Recognition. , 2020, , .		7
35	Eyes Status Detector Based on Light-weight Convolutional Neural Networks supporting for Drowsiness Detection System. , 2020, , .		2
36	Slice Operator for Efficient Convolutional Neural Network Architecture. Lecture Notes in Computer Science, 2020, , 163-173.	1.0	0

#	ARTICLE	IF	CITATIONS
37	Simple Pose Network with Skip-Connections for Single Human Pose Estimation. Communications in Computer and Information Science, 2020, , 166-174.	0.4	0
38	Fast Eye Detector Using CPU Based Lightweight Convolutional Neural Network. , 2020, , .		4
39	3-D Human Pose Estimation Using Cascade of Multiple Neural Networks. IEEE Transactions on Industrial Informatics, 2019, 15, 2064-2072.	7.2	17
40	Wireless Current Monitoring for Autonomous Robot Navigation. , 2019, , .		3
41	PydMobileNet: Pyramid Depthwise Separable Convolution Networks for Image Classification. , 2019, , .		6
42	Illegally Parked Vehicle Detection Based on Haar-Cascade Classifier. Lecture Notes in Computer Science, 2019, , 602-614.	1.0	2
43	Deep Foreground Segmentation using Convolutional Neural Network. , 2019, , .		2
44	PydNet: An Efficient CNN Architecture with Pyramid Depthwise Convolution Kernels. , 2019, , .		3
45	Moving Object Detection for a Moving Camera Based on Global Motion Compensation and Adaptive Background Model. International Journal of Control, Automation and Systems, 2019, 17, 1866-1874.	1.6	29
46	Analysis of Various Traffic Sign Detectors Based on Deep Convolution Network. , 2019, , .		1
47	Classification of sports videos with combination of deep learning models and transfer learning. , 2019, , .		28
48	Scalable local features and hybrid classifiers for improving action recognition. Journal of Intelligent and Fuzzy Systems, 2019, 36, 3357-3372.	0.8	1
49	Modified Stacked Hourglass Networks for Facial Landmarks Detection. Lecture Notes in Computer Science, 2019, , 648-657.	1.0	0
50	Ensemble of Predictions from Augmented Input as Adversarial Defense for Face Verification System. Lecture Notes in Computer Science, 2019, , 658-669.	1.0	2
51	Design and Implementation of a Smart System for Watermelon Recognition. , 2019, , .		3
52	Optimized Latent Features for Deep Image Compression. , 2019, , .		0
53	Convolutional Neural Network based Foreground Segmentation for Video Surveillance Systems. , 2019, , .		3
54	Deep Residual Networks with Pyramid Depthwise Separable Convolution. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
55	Fully Convolutional Neural Networks for 3D Vehicle Detection Based on Point Clouds. Lecture Notes in Computer Science, 2019, , 592-601.	1.0	6
56	Occluded Object Classification with Assistant Unit. Lecture Notes in Computer Science, 2019, , 762-770.	1.0	0
57	Adaptive consensus control of output-constrained second-order nonlinear systems via neurodynamic optimization. Neurocomputing, 2018, 295, 1-7.	3.5	10
58	A survey of 2D shape representation: Methods, evaluations, and future research directions. Neurocomputing, 2018, 300, 1-16.	3.5	40
59	Fast Smoke Detection for Video Surveillance Using CUDA. IEEE Transactions on Industrial Informatics, 2018, 14, 725-733.	7.2	78
60	Geometrical Feature Based Stairways Detection and Recognition Using Depth Sensor. , 2018, , .		4
61	Multi-Person Pose Estimation with Human Detection: A Parallel Approach. , 2018, , .		3
62	Sports Classification in Sequential Frames Using CNN and RNN. , 2018, , .		17
63	Real-time Face Tracking for Human-Robot Interaction. , 2018, , .		16
64	Probabilistic Change Detector with Human Verifier for Intelligent Sterile Zone Monitoring. , 2018, , .		1
65	Fast fire flame detection on videos using AdaBoost and parallel processing. , 2018, , .		4
66	Towards an Integrated Method of Detection and Description for Face Authentication System. , 2018, , .		2
67	Evaluation of IEEE 802.11n and IEEE 802.11p Based on Vehicle to Vehicle Communications. , 2018, , .		2
68	Stationary Object Detection for Vision-Based Smart Monitoring System. Lecture Notes in Computer Science, 2018, , 583-593.	1.0	0
69	Speed-Up 3D Human Pose Estimation Task Using Sub-spacing Approach. Lecture Notes in Computer Science, 2018, , 553-562.	1.0	0
70	Entity Detection for Information Retrieval in Video Streams. Lecture Notes in Computer Science, 2018, , 618-627.	1.0	0
71	Lane detection based on color probability model and fuzzy clustering. , 2018, , .		1
72	Traffic sign classification with dataset augmentation and convolutional neural network. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
73	Cumulative Dual Foreground Differences for Illegally Parked Vehicles Detection. IEEE Transactions on Industrial Informatics, 2017, 13, 2464-2473.	7.2	32
74	A fuzzy model-based integration framework for vision-based intelligent surveillance systems. , 2017, , .		7
75	Improving Traffic Sign Recognition Using Low Dimensional Features. Lecture Notes in Computer Science, 2017, , 237-244.	1.0	0
76	Motion Estimation Based on Two Corresponding Points and Angular Deviation Optimization. IEEE Transactions on Industrial Electronics, 2017, 64, 8598-8606.	5.2	13
77	Recent Advances in the Field of Foreground Detection: An Overview. Studies in Computational Intelligence, 2017, , 261-269.	0.7	8
78	Detection of pedestrian crossing road: A study on pedestrian pose recognition. Neurocomputing, 2017, 234, 144-153.	3.5	35
79	Detection of human carrying baggage from video sequences. Journal of Intelligent and Fuzzy Systems, 2017, 32, 1601-1613.	0.8	1
80	Comparative study of modern convolutional neural networks for smoke detection on image data. , 2017, , .		36
81	Optimal color space based probabilistic foreground detector for video surveillance systems. , 2017, , .		2
82	Lane marking detection using image features and line fitting model. , 2017, , .		5
83	Shape Classification Using Combined Features. Lecture Notes in Computer Science, 2017, , 549-557.	1.0	0
84	Baggage detection and classification using human body parameter & boosting technique. , 2017, , .		2
85	Body part boosting model for carried baggage detection and classification. Neurocomputing, 2017, 228, 106-118.	3.5	9
86	Strategy for automatic person indexing and retrieval system in news interview video sequences. , 2017, , .		0
87	Object classification for LIDAR data using encoded features. , 2017, , .		4
88	Classification of human fall in top Viewed kinect depth images using binary support vector machine. , 2017, , .		4
89	Sterile zone monitoring with human verification. , 2017, , .		3
90	Multi-layer superpixel-based MeshStereo for accurate stereo matching. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
91	An improved method for 3D shape estimation using active shape model. , 2017, , .		1
92	Traffic sign recognition and classification with modified residual networks. , 2017, , .		10
93	Identification of pedestrian attributes using deep network. , 2017, , .		8
94	Human fall classification system for ceiling-mounted kinect depth images. , 2017, , .		11
95	Efficient and robust drivable region extraction for autonomous vehicles. , 2017, , .		0
96	Disparity computation based on SIFT and belief propagation. , 2017, , .		0
97	An improved method for 3D shape estimation using cascade of neural networks. , 2017, , .		7
98	Optimal background modeling for cluttered scenes. , 2017, , .		2
99	Exploiting color spaces for the task of foreground detection. , 2017, , .		2
100	Automatic person information extraction using overlay text in television news interview videos. , 2017, , .		2
101	Smoke Detection on Video Sequences Using Convolutional and Recurrent Neural Networks. Lecture Notes in Computer Science, 2017, , 558-566.	1.0	14
102	Human Carrying Baggage Classification Using Transfer Learning on CNN with Direction Attribute. Lecture Notes in Computer Science, 2017, , 717-724.	1.0	0
103	Real-Time Lane Region Detection Using a Combination of Geometrical and Image Features. Sensors, 2016, 16, 1935.	2.1	26
104	Detecting illegally parked vehicle based on cumulative dual foreground difference. , 2016, , .		1
105	Statistical and geometrical features for LiDAR-based vehicle detection. , 2016, , .		1
106	Laser based collision warning system for high conflict vehicle-pedestrian zones. , 2016, , .		3
107	Vehicle localization and navigation on region with disappeared lane line marking. , 2016, , .		3
108	Parameter analysis of probabilistic foreground detector for intelligent surveillance system. , 2016, , .		2

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109	Estimation of collision risk for improving driver's safety. , 2016, , .		3
110	Vision-based intelligent surveillance system: Multi-tasks implementation. , 2016, , .		1
111	Compound road environment recognition method using camera and laser range finder. , 2016, , .		0
112	Unified smoke and flame detection for intelligent surveillance system. , 2016, , .		7
113	Probabilistic foreground detector with camouflage detection for sterile zone monitoring. , 2016, , .		11
114	Centroid based pose ratio for pedestrian action recognition. , 2016, , .		3
115	Smoke detection for surveillance cameras based on color, motion, and shape. , 2016, , .		5
116	Dense optical flow in stabilized scenes for moving object detection from a moving camera. , 2016, , .		16
117	A comparative study of foreground detection using Gaussian mixture models-novice to novel. , 2016, , .		1
118	Analysis of pedestrian collision risk using fuzzy inference model. , 2016, , .		3
119	Multiple threading strategy for intelligent surveillance system. , 2016, , .		0
120	A Simplified Solution to Motion Estimation Using an Omnidirectional Camera and a 2-D LRF Sensor. IEEE Transactions on Industrial Informatics, 2016, 12, 1064-1073.	7.2	11
121	Output feedback fault-tolerant control for a class of discrete-time fuzzy bilinear systems. International Journal of Control, Automation and Systems, 2016, 14, 486-494.	1.6	5
122	Unattended Object Identification for Intelligent Surveillance Systems Using Sequence of Dual Background Difference. IEEE Transactions on Industrial Informatics, 2016, 12, 2247-2255.	7.2	47
123	Beginning Frame and Edge Based Name Text Localization in News Interview Videos. Lecture Notes in Computer Science, 2016, , 583-594.	1.0	4
124	Building facade detection using geometric planar constraints. , 2016, , .		1
125	Designing interface and integration framework for multi-channels intelligent surveillance system. , 2016, , .		2
126	Robust lane marking detection based on multi-feature fusion. , 2016, , .		4



#	ARTICLE	IF	CITATIONS
127	Online Background-Subtraction with Motion Compensation for Freely Moving Camera. Lecture Notes in Computer Science, 2016, , 569-578.	1.0	6
128	A Similarity-Based Approach for Shape Classification Using Region Decomposition. Lecture Notes in Computer Science, 2016, , 279-289.	1.0	1
129	Stairways detection and distance estimation approach based on three connected point and triangular similarity. , 2016, , .		10
130	Probabilistic foreground detector for sterile zone monitoring at night time. , 2016, , .		0
131	Coarse-to-fine approach for fast correlation-based visual tracking. , 2016, , .		1
132	Automated architectural reconstruction using reference planes under convex optimization. International Journal of Control, Automation and Systems, 2016, 14, 814-826.	1.6	8
133	Joint components based pedestrian detection in crowded scenes using extended feature descriptors. Neurocomputing, 2016, 188, 139-150.	3.5	13
134	Accelerative Object Classification Using Cascade Structure for Vision Based Security Monitoring Systems. Lecture Notes in Computer Science, 2016, , 790-800.	1.0	0
135	Online Programming Design of Distributed System Based on Multi-level Storage. Lecture Notes in Computer Science, 2016, , 745-752.	1.0	0
136	Comparison of Text Beginning Frame Detection Methods in News Video Sequences. Journal of Broadcast Engineering, 2016, 21, 307-318.	0.1	3
137	Crosswalk detection based on laser scanning from moving vehicle. , 2015, , .		5
138	Estimation of walking direction for pedestrian path prediction from moving vehicle. , 2015, , .		14
139	Illegally parked vehicle detection using adaptive dual background model. , 2015, , .		8
140	Probabilistic foreground detector for sterile zone monitoring. , 2015, , .		11
141	Building detection based on facet for urban reconstruction. , 2015, , .		0
142	Utilization of optimally selected features for car detection in calibrated camera and LRF system. , 2015, , .		0
143	Lane marking recognition based on laser scanning. , 2015, , .		2
144	Automatic LED text recognition method on electronic road sign using local spatial pattern and random forest classifier. , 2015, , .		0

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145	Laser scanner based heading angle and distance estimation. , 2015, , .		4
146	The car washing control method using 3D contour segmentation. , 2015, , .		1
147	Real-time flood detection for video surveillance. , 2015, , .		19
148	Localization of pedestrian area from hybrid camera system. , 2015, , .		0
149	Design of intelligent car washing system. , 2015, , .		4
150	Traffic sign recognition and tracking for a vision-based autonomous vehicle using optimally selected features. , 2015, , .		3
151	Detection of pedestrian crossing road. , 2015, , .		17
152	Distance Sensor Fusion for Obstacle Detection at Night Based on Kinect Sensors. Lecture Notes in Computer Science, 2015, , 135-144.	1.0	0
153	Real-time smoke detection for surveillance. , 2015, , .		4
154	Framework of real-time car detection using calibrated camera and LRF. , 2015, , .		0
155	Smoke detection for static cameras. , 2015, , .		13
156	Comparison of Vehicle Control Systems Based on Multiple Features. Cybernetics and Systems, 2015, 46, 94-111.	1.6	0
157	Path planning for autonomous vehicle based on heuristic searching using online images. Vietnam Journal of Computer Science, 2015, 2, 109-120.	1.0	17
158	Evaluation of background subtraction algorithms for video surveillance. , 2015, , .		35
159	Automatic calibration of camera and LRF based on morphological pattern and optimal angular back-projection error. International Journal of Control, Automation and Systems, 2015, 13, 1436-1445.	1.6	5
160	Detecting abandoned objects in crowded scenes of surveillance videos using adaptive dual background model. , 2015, , .		11
161	Real-time lane marking detection. , 2015, , .		3
162	Localization of Pedestrian with Respect to Car Speed. Lecture Notes in Computer Science, 2015, , 185-194.	1.0	0

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163	Multi language text detection using fast stroke width transform. , 2015, , .		3
164	Detection of pedestrian crossing road using action classification model. , 2015, , .		3
165	Pedestrian action recognition using motion type classification. , 2015, , .		10
166	Iterative road detection based on vehicle speed. , 2015, , .		3
167	LED Dot matrix text recognition method in natural scene. Neurocomputing, 2015, 151, 1033-1041.	3.5	18
168	Calibration of a 2D laser scanner system and rotating platform using a point-plane constraint. Computer Science and Information Systems, 2015, 12, 307-322.	0.7	25
169	Path Planning for Unmanned Vehicle Motion Based on Road Detection Using Online Road Map and Satellite Image. Lecture Notes in Computer Science, 2015, , 433-447.	1.0	1
170	Human Detection from Omnidirectional Camera Using Feature Tracking and Motion Segmentation. Lecture Notes in Computer Science, 2015, , 329-338.	1.0	2
171	Comparison of Edge Operators for Detection of Vanishing Points. Lecture Notes in Computer Science, 2015, , 443-452.	1.0	0
172	Smoke Detection for Autonomous Vehicles using Laser Range Finder and Camera. Lecture Notes in Computer Science, 2015, , 601-610.	1.0	0
173	Moving Object Localization Using Optical Flow for Pedestrian Detection from a Moving Vehicle. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	47
174	Scalable histogram of oriented gradients for multi-size car detection. , 2014, , .		10
175	Adaptive Fuzzy Containment Control for Uncertain Nonlinear Multiagent Systems. Mathematical Problems in Engineering, 2014, 2014, 1-9.	0.6	1
176	Local path planning strategy: A practical implementation for versatile distance. , 2014, , .		1
177	Visual perception of traffic sign for autonomous vehicle using k-nearest cluster neighbor classifier. , 2014, , .		4
178	Smoke detection on roads for autonomous vehicles. , 2014, , .		7
179	Lane Surface Identification Based on Reflectance using Laser Range Finder. , 2014, , .		15
180	Camera and laser range finder fusion for real-time car detection. , 2014, , .		8

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181	Error reduction for large rotational motion estimation of autonomous vehicle. , 2014, , .		0
182	Traffic sign recognition system for autonomous vehicle using cascade SVM classifier. , 2014, , .		8
183	Path planning and global trajectory tracking control assistance to autonomous vehicle. , 2014, , .		3
184	Closed-form solution to 3D points for estimating extrinsic parameters of camera and laser sensor. , 2014, , .		1
185	Optimal angular back-projection error for vehicle motion estimation using omnidirectional vision. , 2014, , .		1
186	Vision-based heading angle estimation for an autonomous mobile robots navigation. , 2014, , .		10
187	Information retrieval of LED text on electronic road sign for driver-assistance system using spatial-based feature and Nearest Cluster Neighbor classifier. , 2014, , .		3
188	Location classification of detected pedestrian. , 2014, , .		4
189	Motion Segmentation Using Optical Flow for Pedestrian Detection from Moving Vehicle. Lecture Notes in Computer Science, 2014, , 204-213.	1.0	7
190	Hybrid cascade boosting machine using variant scale blocks based HOG features for pedestrian detection. Neurocomputing, 2014, 135, 357-366.	3.5	62
191	Free road space estimation based on surface normal analysis in organized point cloud. , 2014, , .		1
192	A comparative study of classification methods for traffic signs recognition. , 2014, , .		12
193	Augmented Reality Surveillance System for Road Traffic Monitoring. Lecture Notes in Computer Science, 2014, , 310-317.	1.0	1
194	Laser based obstacle avoidance strategy for autonomous robot navigation using DBSCAN for versatile distance. , 2014, , .		1
195	3D scene reconstruction enhancement method based on automatic context analysis and convex optimization. Neurocomputing, 2014, 137, 71-78.	3.5	4
196	Ego-Motion Compensated for Moving Object Detection in a Mobile Robot. Lecture Notes in Computer Science, 2014, , 289-297.	1.0	1
197	Inverse Perspective Mapping based road curvature estimation. , 2014, , .		11
198	Simple and Efficient Method for Calibration of a Camera and 2D Laser Rangefinder. Lecture Notes in Computer Science, 2014, , 561-570.	1.0	18

#	ARTICLE	IF	CITATIONS
199	Similarity-Based Classification of 2-D Shape Using Centroid-Based Tree-Structured Descriptor. Lecture Notes in Computer Science, 2014, , 279-288.	1.0	2
200	Methods for Vanishing Point Estimation by Intersection of Curves from Omnidirectional Image. Lecture Notes in Computer Science, 2014, , 543-552.	1.0	2
201	Optimal Partial Rotation Error for Vehicle Motion Estimation Based on Omnidirectional Camera. Lecture Notes in Computer Science, 2014, , 292-301.	1.0	0
202	A novel particle filter implementation for a multiple-vehicle detection and tracking system using tail light segmentation. International Journal of Control, Automation and Systems, 2013, 11, 577-585.	1.6	12
203	Stairway Detection Based on Extraction of Longest Increasing Subsequence of Horizontal Edges and Vanishing Point. Studies in Computational Intelligence, 2013, , 213-218.	0.7	5
204	Vanishing Point Based Image Segmentation and Clustering for Omnidirectional Image. Lecture Notes in Computer Science, 2013, , 541-550.	1.0	3
205	Video surveillance on mobile devices for sensor network. , 2013, , .		1
206	One-point-plus for 5-DOF localization of vehicle-mounted omnidirectional camera in long-range motion. International Journal of Control, Automation and Systems, 2013, 11, 1018-1027.	1.6	8
207	3D motion estimation based on pitch and azimuth from respective camera and laser rangefinder sensing. , 2013, , .		6
208	A geometry-based 3D reconstruction from a single omnidirectional image. , 2013, , .		2
209	Automatic context analysis for image classification and retrieval based on optimal feature subset selection. Neurocomputing, 2013, 116, 201-207.	3.5	5
210	Iterative vanishing point estimation based on DBSCAN for omnidirectional image. , 2013, , .		1
211	Planar motion estimation using omnidirectional camera and laser rangefinder. , 2013, , .		11
212	Real-time hand gesture recognition for augmented screen using average background and camshift. , 2013, , .		8
213	Visual surveillance with sensor network for accident detection. , 2013, , .		4
214	Omnidirectional stereo vision based vehicle detection and distance measurement for driver assistance system. , 2013, , .		7
215	Localization estimation based on Extended Kalman filter using multiple sensors. , 2013, , .		10
216	Accuracy enhancement of omnidirectional camera calibration for structure from motion. , 2013, , .		8

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217	HOG based Pedestrian Detection and Behavior Pattern Recognition for Traffic Signal Control. Journal of Institute of Control, Robotics and Systems, 2013, 19, 1017-1021.	0.1	7
218	Detecting and Recognizing LED Dot Matrix Text in Natural Scene Images. Communications in Computer and Information Science, 2013, , 153-158.	0.4	0
219	Motion Analysis for Scenes with Multiple Moving Objects. IEEJ Transactions on Electronics, Information and Systems, 2013, 133, 40-46.	0.1	1
220	Fast human detection based on parallelogram haar-like features. , 2012, , .		7
221	Moving object detection and camera motion analysis from moving camera. , 2012, , .		0
222	Removing outliers of large scale scene models based on automatic context analysis and convex optimization. , 2012, , .		0
223	Camera Motion Estimation and Moving Object Detection Based on Local Feature Tracking. Lecture Notes in Computer Science, 2012, , 544-552.	1.0	5
224	An Efficient Method of Vehicle License Plate Recognition Based on Sliding Concentric Windows and Artificial Neural Network. Procedia Technology, 2012, 4, 812-819.	1.1	28
225	Localization and tracking of same color vehicle under occlusion problem. , 2012, , .		13
226	A clustering strategy for touching characters in Korean and English printed text segmentation. , 2012, , .		1
227	Robust Human Detection Using Multiple Scale of Cell Based Histogram of Oriented Gradients and AdaBoost Learning. Lecture Notes in Computer Science, 2012, , 61-71.	1.0	7
228	Self-configuration for surveillance sensor network. , 2012, , .		6
229	Enhancing 3D Scene Models Based on Automatic Context Analysis and Optimization Algorithm. Communications in Computer and Information Science, 2012, , 435-440.	0.4	0
230	Building Face Reconstruction from Sparse View of Monocular Camera. Lecture Notes in Computer Science, 2012, , 565-572.	1.0	0
231	Enhancing Point Clouds Accuracy of Small Baseline Images Based on Convex Optimization. Lecture Notes in Computer Science, 2012, , 216-225.	1.0	0
232	3D reconstruction and measurement of indoor object using stereo camera. , 2011, , .		6
233	Brick path detection from shape pattern and texture feature. , 2011, , .		0
234	Stairway tracking based on automatic target selection using directional filters. , 2011, , .		5

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235	Brickpath region detection using color and shape pattern information. , 2011, , .		2
236	Stairway segmentation using Gabor Filter and vanishing point. , 2011, , .		12
237	A Comparison of SIFT and Harris conner features for correspondence points matching. , 2011, , .		0
238	Vehicle detection using tail light segmentation. , 2011, , .		25
239	HDR Image Generation based on Intensity Clustering and Local Feature Analysis. Computers in Human Behavior, 2011, 27, 1507-1511.	5.1	20
240	Optical recognition of vehicle license plates. , 2011, , .		3
241	Estimation of heading angle through analysis by area size of lane. , 2011, , .		0
242	Automatic Context Analysis for Image Classification and Retrieval. Lecture Notes in Computer Science, 2011, , 377-382.	1.0	5
243	Automatic Vehicle Identification by Plate Recognition for Intelligent Transportation System Applications. Lecture Notes in Computer Science, 2011, , 163-172.	1.0	4
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