

Van-Dung Hoang

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

637
citations

840119

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h-index

713013

21
g-index

73
all docs

73
docs citations

73
times ranked

466
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep CNN and Data Augmentation for Skin Lesion Classification. Lecture Notes in Computer Science, 2018, , 573-582.	1.0	72
2	Hybrid cascade boosting machine using variant scale blocks based HOG features for pedestrian detection. Neurocomputing, 2014, 135, 357-366.	3.5	62
3	Moving Object Localization Using Optical Flow for Pedestrian Detection from a Moving Vehicle. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	47
4	AI outperformed every dermatologist in dermoscopic melanoma diagnosis, using an optimized deep-CNN architecture with custom mini-batch logic and loss function. Scientific Reports, 2021, 11, 17485.	1.6	36
5	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
6	Adaptive Learning Based on Tracking and Reldentifying Objects Using Convolutional Neural Network. Neural Processing Letters, 2019, 50, 263-282.	2.0	24
7	Simple and Efficient Method for Calibration of a Camera and 2D Laser Rangefinder. Lecture Notes in Computer Science, 2014, , 561-570.	1.0	18
8	Path planning for autonomous vehicle based on heuristic searching using online images. Vietnam Journal of Computer Science, 2015, 2, 109-120.	1.0	17
9	Lane Surface Identification Based on Reflectance using Laser Range Finder. , 2014, , .		15
10	Localization and tracking of same color vehicle under occlusion problem. , 2012, , .		13
11	Joint components based pedestrian detection in crowded scenes using extended feature descriptors. Neurocomputing, 2016, 188, 139-150.	3.5	13
12	Motion Estimation Based on Two Corresponding Points and Angular Deviation Optimization. IEEE Transactions on Industrial Electronics, 2017, 64, 8598-8606.	5.2	13
13	Deep Feature Extraction for Panoramic Image Stitching. Lecture Notes in Computer Science, 2020, , 141-151.	1.0	13
14	A solution based on combination of RFID tags and facial recognition for monitoring systems. , 2018, , .		12
15	Planar motion estimation using omnidirectional camera and laser rangefinder. , 2013, , .		11
16	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
17	Improving Traffic Signs Recognition Based Region Proposal and Deep Neural Networks. Lecture Notes in Computer Science, 2018, , 604-613.	1.0	11
18	Localization estimation based on Extended Kalman filter using multiple sensors. , 2013, , .		10

#	ARTICLE	IF	CITATIONS
19	Scalable histogram of oriented gradients for multi-size car detection. , 2014, , .		10
20	Vision-based heading angle estimation for an autonomous mobile robots navigation. , 2014, , .		10
21	Multiple classifier-based spatiotemporal features for living activity prediction. Journal of Information and Telecommunication, 2017, 1, 100-112.	2.2	9
22	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
23	Automated architectural reconstruction using reference planes under convex optimization. International Journal of Control, Automation and Systems, 2016, 14, 814-826.	1.6	8
24	Fast human detection based on parallelogram haar-like features. , 2012, , .		7
25	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
26	Smoke detection on roads for autonomous vehicles. , 2014, , .		7
27	Motion Segmentation Using Optical Flow for Pedestrian Detection from Moving Vehicle. Lecture Notes in Computer Science, 2014, , 204-213.	1.0	7
28	Global path planning for unmanned ground vehicle based on road map images. , 2014, , .		7
29	An improved method for 3D shape estimation using cascade of neural networks. , 2017, , .		7
30	Hybrid discriminative models for banknote recognition and anti-counterfeit. , 2018, , .		7
31	Realtime Multi-Person Pose Estimation with RCNN and Depthwise Separable Convolution. , 2020, , .		7
32	Pedestrian Action Prediction Based on Deep Features Extraction of Human Posture and Traffic Scene. Lecture Notes in Computer Science, 2018, , 563-572.	1.0	7
33	3D motion estimation based on pitch and azimuth from respective camera and laser rangefinder sensing. , 2013, , .		6
34	Personal Identification Based on Deep Learning Technique Using Facial Images for Intelligent Surveillance Systems. International Journal of Machine Learning and Computing, 2019, 9, 465-470.	0.8	6
35	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
36	Action Recognition Based on Sequential 2D-CNN for Surveillance Systems. , 2018, , .		5

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37	Hyperparameter Optimization for Improving Recognition Efficiency of an Adaptive Learning System. IEEE Access, 2020, 8, 160569-160580.	2.6	5
38	PEDESTRIAN ACTIVITY PREDICTION BASED ON SEMANTIC SEGMENTATION AND HYBRID OF MACHINES. Journal of Computer Science and Cybernetics, 2018, 34, 113-125.	0.1	5
39	Location classification of detected pedestrian. , 2014, , .		4
40	Vanishing Point Based Image Segmentation and Clustering for Omnidirectional Image. Lecture Notes in Computer Science, 2013, , 541-550.	1.0	3
41	Path planning and global trajectory tracking control assistance to autonomous vehicle. , 2014, , .		3
42	Electrical colored wires inspection algorithm for automatic connector producing machines. , 2016, , .		3
43	Hybrid Deep Learning and Data Augmentation for Disease Candidate Extraction. Communications in Computer and Information Science, 2020, , 274-286.	0.4	3
44	Currency Recognition Based on Deep Feature Selection and Classification. Communications in Computer and Information Science, 2020, , 273-281.	0.4	3
45	Methods for Vanishing Point Estimation by Intersection of Curves from Omnidirectional Image. Lecture Notes in Computer Science, 2014, , 543-552.	1.0	2
46	Human Detection from Omnidirectional Camera Using Feature Tracking and Motion Segmentation. Lecture Notes in Computer Science, 2015, , 329-338.	1.0	2
47	Iterative vanishing point estimation based on DBSCAN for omnidirectional image. , 2013, , .		1
48	Local path planning strategy: A practical implementation for versatile distance. , 2014, , .		1
49	Closed-form solution to 3D points for estimating extrinsic parameters of camera and laser sensor. , 2014, , .		1
50	Optimal angular back-projection error for vehicle motion estimation using omnidirectional vision. , 2014, , .		1
51	Laser based obstacle avoidance strategy for autonomous robot navigation using DBSCAN for versatile distance. , 2014, , .		1
52	A method to approximate the transmission rate of phase signal with amplitude uncertainty. , 2017, , .		1
53	Scalable local features and hybrid classifiers for improving action recognition. Journal of Intelligent and Fuzzy Systems, 2019, 36, 3357-3372.	0.8	1
54	Vehicle Categorical Recognition for Traffic Monitoring in Intelligent Transportation Systems. Lecture Notes in Computer Science, 2019, , 670-679.	1.0	1

#	ARTICLE	IF	CITATIONS
55	Rice Leaf Diseases Recognition Based on Deep Learning and Hyperparameters Customization. Communications in Computer and Information Science, 2021, , 189-200.	0.4	1
56	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
57	Error reduction for large rotational motion estimation of autonomous vehicle. , 2014, , .		0
58	I-Q based cooperative spectrum sharing in system with multiple SU transmitters and common receiver. , 2015, , .		0
59	Boosting Discriminative Models for Activity Detection Using Local Feature Descriptors. Lecture Notes in Computer Science, 2017, , 609-618.	1.0	0
60	Optimal Partial Rotation Error for Vehicle Motion Estimation Based on Omnidirectional Camera. Lecture Notes in Computer Science, 2014, , 292-301.	1.0	0
61	Vanishing Point Estimation in Urban Roads for Omnidirectional Image. Advances in Intelligent Systems and Computing, 2014, , 313-323.	0.5	0
62	Smoke Detection for Autonomous Vehicles using Laser Range Finder and Camera. Lecture Notes in Computer Science, 2015, , 601-610.	1.0	0
63	Accelerative Object Classification Using Cascade Structure for Vision Based Security Monitoring Systems. Lecture Notes in Computer Science, 2016, , 790-800.	1.0	0