Moon-Gu Jeon

List of Publications by Year
in descending order

113 papers	1,825 citations	279798 23 h-index	345221 36 g-index
114 all docs	114 docs citations	114 times ranked	1867 citing authors

#	Article	IF	Citations
1	Learning to See in the Rain via Disentangled Representation. IEEE Robotics and Automation Letters, 2024, , 1-1.	5.1	2
2	Abnormal Event Detection and Localization via Adversarial Event Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3572-3586.	11.3	29
3	Predictively encoded graph convolutional network for noise-robust skeleton-based action recognition. Applied Intelligence, 2022, 52, 2317-2331.	5.3	23
4	Key Points Estimation and Point Instance Segmentation Approach for Lane Detection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8949-8958.	8.0	98
5	LDNet: End-to-End Lane Marking Detection Approach Using a Dynamic Vision Sensor. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9318-9334.	8.0	9
6	Abnormal event detection using adversarial predictive coding for motion and appearance. Information Sciences, 2022, 586, 59-73.	6.9	12
7	License Plate Detection via Information Maximization. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14908-14921.	8.0	7
8	Warping-based spectral translation network for unsupervised cross-spectral stereo matching. Information Sciences, 2022, 588, 214-230.	6.9	0
9	Multi-resolution approach to human activity recognition in video sequence based on combination of complex wavelet transform, Local Binary Pattern and Zernike moment. Multimedia Tools and Applications, 2022, 81, 34863-34892.	3.9	1
10	Employing automatic content recognition for teaching methodology analysis in classroom videos. PLoS ONE, 2022, 17, e0263448.	2.5	1
11	Resolving Camera Position for a Practical Application of Gaze Estimation on Edge Devices. , 2022, , .		0
12	Drivable Region Estimation for Self-Driving Vehicles Using Radar. IEEE Transactions on Vehicular Technology, 2022, 71, 5971-5982.	6.3	8
13	Multi-Object Tracking and Segmentation With Embedding Mask-Based Affinity Fusion in Hierarchical Data Association. IEEE Access, 2022, 10, 60643-60657.	4.2	7
14	Perception-Friendly Video Enhancement for Autonomous Driving under Adverse Weather Conditions. , 2022, , .		0
15	Online multiple pedestrians tracking using deep temporal appearance matching association. Information Sciences, 2021, 561, 326-351.	6.9	39
16	ICT Enabled TVET Education: A Systematic Literature Review. IEEE Access, 2021, 9, 81624-81650.	4.2	9
17	Anomalous Event Recognition in Videos Based on Joint Learning of Motion and Appearance with Multiple Ranking Measures. Applied Sciences (Switzerland), 2021, 11, 1344.	2.5	22
18	Boosted Prediction of Antihypertensive Peptides Using Deep Learning. Applied Sciences (Switzerland), 2021, 11, 2316.	2.5	3

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19	*N* ² *C*: Neural Network Controller Design Using Behavioral Cloning. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4744-4756.	8.0	9
20	Contextual recommender system for E-commerce applications. Applied Soft Computing Journal, 2021, 109, 107552.	7.2	11
21	Imbalanced image classification with complement cross entropy. Pattern Recognition Letters, 2021, 151, 33-40.	4.2	37
22	Task-Driven Deep Image Enhancement Network for Autonomous Driving in Bad Weather. , 2021, , .		9
23	Action matching network: open-set action recognition using spatio-temporal representation matching. Visual Computer, 2020, 36, 1457-1471.	3.5	14
24	Block change learning for knowledge distillation. Information Sciences, 2020, 513, 360-371.	6.9	8
25	Transfer learning for vehicle detection using two cameras with different focal lengths. Information Sciences, 2020, 514, 71-87.	6.9	14
26	Disparity Estimation Using Stereo Images With Different Focal Lengths. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 5258-5270.	8.0	9
27	System, Design and Experimental Validation of Autonomous Vehicle in an Unconstrained Environment. Sensors, 2020, 20, 5999.	3.8	15
28	Multiple Objects Tracking using Radar for Autonomous Driving. , 2020, , .		11
29	Visuomotor Steering angle Prediction in Dynamic Perception Environment for Autonomous Vehicle. , 2020, , .		0
30	A Long Short-Term Memory (LSTM) Network for Hourly Estimation of PM2.5 Concentration in Two Cities of South Korea. Applied Sciences (Switzerland), 2020, 10, 3984.	2.5	37
31	OneShotDA: Online Multi-Object Tracker With One-Shot-Learning-Based Data Association. IEEE Access, 2020, 8, 38060-38072.	4.2	30
32	Training approach using the shallow model and hard triplet mining for person reâ€identification. IET Image Processing, 2020, 14, 256-266.	2.5	6
33	Efficient Stereo Matching Method using Elimination of Lighting Factors under Radiometric Variation. , 2020, , .		0
34	Dynamic Control System Design for Autonomous Car. , 2020, , .		3
35	ADFNet: accumulated decoder features for realâ€time semantic segmentation. IET Computer Vision, 2020, 14, 555-563.	2.0	3
36	Context-Aware Multi-Task Learning for Traffic Scene Recognition in Autonomous Vehicles. , 2020, , .		4

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37	Unsupervised Pixel-level Road Defect Detection via Adversarial Image-to-Frequency Transform. , 2020, , .		11
38	Dynamic Control System Design for Autonomous Car. , 2020, , .		4
39	Boosting Discrimination Information Based Document Clustering Using Consensus and Classification. IEEE Access, 2019, 7, 78954-78962.	4.2	3
40	Development of a daily PM&lt;sub&gt;10&lt;/sub&gt; and PM&lt;sub&gt;2.5&lt;/sub&gt; prediction system using a deep long short-term memory neural network model. Atmospheric Chemistry and Physics, 2019, 19, 12935-12951.	4.9	48
41	All-in-Focused Image Combination in the Frequency Domain Using Light Field Images. Applied Sciences (Switzerland), 2019, 9, 3752.	2.5	4
42	Unconstrained Road Marking Recognition with Generative Adversarial Networks. , 2019, , .		9
43	Unsupervised Learning for Depth, Ego-Motion, and Optical Flow Estimation Using Coupled Consistency Conditions. Sensors, 2019, 19, 2459.	3.8	8
44	Data Association for Multi-Object Tracking via Deep Neural Networks. Sensors, 2019, 19, 559.	3.8	46
45	A labeled random finite set online multi-object tracker for video data. Pattern Recognition, 2019, 90, 377-389.	8.1	44
46	An event detection module with a low-power, small-size CMOS image sensor with reference scaling. Analog Integrated Circuits and Signal Processing, 2019, 99, 359-369.	1.4	4
47	Empirical Analysis of Tree-Based Models for PM2.5 Concentration Prediction. , 2019, , .		3
48	SNIDER: Single Noisy Image Denoising and Rectification for Improving License Plate Recognition. , 2019, , .		22
49	Dynamic Key Update Strategy in Physical-Layer Challenge-Response Authentication. , 2019, , .		2
50	3D ResNet with Ranking Loss Function for Abnormal Activity Detection in Videos. , 2019, , .		21
51	Spatio-Temporal Representation Matching-Based Open-Set Action Recognition by Joint Learning of Motion and Appearance. IEEE Access, 2019, 7, 165997-166010.	4.2	4
52	Online Multi-Object Tracking With GMPHD Filter and Occlusion Group Management. IEEE Access, 2019, 7, 165103-165121.	4.2	26
53	Driver Drowsiness Detection Using Condition-Adaptive Representation Learning Framework. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4206-4218.	8.0	69
54	Comparative Study on Person Re-identification Using Color and Shape Features-Based Body Part Matching. Lecture Notes in Electrical Engineering, 2019, , 313-322.	0.4	0

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55	Where Am I: Localization and 3D Maps for Autonomous Vehicles. , 2019, , .		7
56	Practical License Plate Recognition in Unconstrained Surveillance Systems with Adversarial Super-Resolution. , 2019, , .		8
57	Prediction of PM10 Concentration in South Korea Using Gradient Tree Boosting Models. , 2019, , .		3
58	Robust relationship learning to illumination in a camera network. , 2018, , .		1
59	Shadow detection and removal for moving objects using Daubechies complex wavelet transform. Multimedia Tools and Applications, 2018, 77, 2391-2421.	3.9	6
60	Vehicle license plate detection using region-based convolutional neural networks. Soft Computing, 2018, 22, 6429-6440.	3.6	63
61	Online Multi-Object Tracking with Historical Appearance Matching and Scene Adaptive Detection Filtering. , 2018, , .		50
62	Background subtraction using Gaussian–Bernoulli restricted Boltzmann machine. IET Image Processing, 2018, 12, 1646-1654.	2.5	8
63	Autonomous Vehicle. , 2018, , .		20
64	Configuration of a min-cost flow network for data association in multi-object tracking. International Journal of Computational Vision and Robotics, 2018, 8, 572.	0.3	1
65	Adaptive Random Access for Mobile Sensors Based Field Reconstruction. , 2018, , .		0
66	P1–559: TOWARD PERCEPTUAL DEEP LEARNING–BASED ABNORMAL BEHAVIOR PATTERN ANALYSIS FOR PATIENTS WITH ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P548.	0.8	0
67	Object Modeling from 3D Point Cloud Data for Self-Driving Vehicles. , 2018, , .		6
68	Deep Discriminative Representation Learning for Face Verification and Person Re-Identification on Unconstrained Condition. , 2018, , .		9
69	Multiple hypothesis tracking algorithm for multi-target multi-camera tracking with disjoint views. IET Image Processing, 2018, 12, 1175-1184.	2.5	47
70	Joint representation learning of appearance and motion for abnormal event detection. Machine Vision and Applications, 2018, 29, 1157-1170.	2.7	19
71	Using Temporal Covariance of Motion and Geometric Features via Boosting for Human Fall Detection. Sensors, 2018, 18, 1918.	3.8	22
72	Multi-human tracking using part-based appearance modelling and grouping-based tracklet association for visual surveillance applications. Multimedia Tools and Applications, 2017, 76, 6731-6754.	3.9	12

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73	A Comparative Study of Programming Environments Exploiting Heterogeneous Systems. IEEE Access, 2017, 5, 10081-10092.	4.2	0
74	Deep neural network for person re-identification in a non-overlapping camera network. , 2017, , .		0
75	Learning Feature Representation for Face Verification. , 2017, , .		2
76	Complex wavelet transform-based approach for human action recognition in video. , 2017, , .		3
77	Automatic part localization using 3D cuboid box for vehicle subcategory recognition. , 2017, , .		0
78	Occlusion detector using convolutional neural network for person re-identification. , 2017, , .		1
79	Conditional Random Field (CRF)-Boosting: Constructing a Robust Online Hybrid Boosting Multiple Object Tracker Facilitated by CRF Learning. Sensors, 2017, 17, 617.	3.8	5
80	Machine Learning Theory and Applications for Healthcare. Journal of Healthcare Engineering, 2017, 2017, 1-2.	1.9	15
81	Representation Learning, Scene Understanding, and Feature Fusion for Drowsiness Detection. Lecture Notes in Computer Science, 2017, , 165-177.	1.3	15
82	Feature flow-based abnormal event detection using a scene-adaptive cuboid determination method. , 2016, , .		1
83	Online multiple object tracking with the hierarchically adopted GM-PHD filter using motion and appearance. , 2016, , .		32
84	Vehicle Detection Using Local Size-Specific Classifiers. IEICE Transactions on Information and Systems, 2016, E99.D, 2351-2359.	0.7	1
85	Gaussian-Poisson mixture model for anomaly detection of crowd behaviour. , 2016, , .		11
86	Vehicle pose detection using region based convolutional neural network. , 2016, , .		10
87	Conditional marked point process-based crowd counting in sparsely and moderately crowded scenes. , 2016, , .		3
88	Underwater acoustic sensor fault detection for passive sonar systems. , 2016, , .		1
89	Terms-based discriminative information space for robust text classification. Information Sciences, 2016, 372, 518-538.	6.9	17
90	Robust detection of heartbeats using association models from blood pressure and EEG signals. BioMedical Engineering OnLine, 2016, 15, 7.	2.7	7

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91	Adaptive Sliding-Window Strategy for Vehicle Detection in Highway Environments. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 323-335.	8.0	30
92	Bolstering efficient SSGAs based on an ensemble of probabilistic variable-wise crossover strategies. Soft Computing, 2016, 20, 2149-2176.	3.6	3
93	An incremental learning approach for restricted boltzmann machines. , 2015, , .		4
94	CDIM: Document Clustering by Discrimination Information Maximization. Information Sciences, 2015, 316, 87-106.	6.9	25
95	Electronic system with memristive synapses for pattern recognition. Scientific Reports, 2015, 5, 10123.	3.3	133
96	Contrastive divergence for memristor-based restricted Boltzmann machine. Engineering Applications of Artificial Intelligence, 2015, 37, 336-342.	8.1	38
97	Novel dynamic diversity controlling EAs for coevolving optimal negotiation strategies. Information Sciences, 2014, 273, 1-32.	6.9	8
98	Data fusion of radar and image measurements for multi-object tracking via Kalman filtering. Information Sciences, 2014, 278, 641-652.	6.9	84
99	Weighted feature trajectories and concatenated bag-of-features for action recognition. Neurocomputing, 2014, 131, 200-207.	5.9	25
100	Spectral clustering with physical intuition on spring–mass dynamics. Journal of the Franklin Institute, 2014, 351, 3245-3268.	3.4	3
101	A class of quantum low-density parity check codes by combining seed graphs. Quantum Information Processing, 2013, 12, 2219-2239.	2.2	1
102	Spatio-Temporal Auxiliary Particle Filtering With ell_{1}-Norm-Based Appearance Model Learning for Robust Visual Tracking. IEEE Transactions on Image Processing, 2013, 22, 511-522.	9.8	15
103	On the construction of stabilizer codes with an arbitrary binary matrix. Quantum Information Processing, 2013, 12, 467-479.	2.2	1
104	A robust real-coded genetic algorithm using an ensemble of crossover operators. , 2013, , .		1
105	Curvelet transform based moving object segmentation. , 2013, , .		7
106	Mobile Node Localization Using Fusion Prediction-Based Interacting Multiple Model in Cricket Sensor Network. IEEE Transactions on Industrial Electronics, 2012, 59, 4349-4359.	7.9	44
107	The property analysis of evolutionary algorithms applied to spanning tree problems. Applied Intelligence, 2010, 32, 96-121.	5.3	6
108	The improved adaptive link adjustment evolutionary algorithm for the multiple container packing problem. Applied Intelligence, 2010, 33, 144-158.	5.3	3

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109	Despeckling of medical ultrasound images using Daubechies complex wavelet transform. Signal Processing, 2010, 90, 428-439.	3.7	92
110	Multilevel adaptive thresholding and shrinkage technique for denoising using Daubechies complex wavelet transform. Imaging Science Journal, 2010, 58, 340-358.	0.5	41
111	DAUBECHIES COMPLEX WAVELET TRANSFORM BASED MULTILEVEL SHRINKAGE FOR DEBLURRING OF MEDICAL IMAGES IN PRESENCE OF NOISE. International Journal of Wavelets, Multiresolution and Information Processing, 2009, 07, 587-604.	1.3	25
112	An effective evolutionary algorithm for the multiple container packing problem. Progress in Natural Science: Materials International, 2008, 18, 337-344.	4.4	7
113	Machine vision theory and applications for cyber-physical systems. Multimedia Tools and Applications, 0, , .	3.9	3