

# Moon-Gu Jeon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3724659/publications.pdf>

Version: 2024-02-01

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	Electronic system with memristive synapses for pattern recognition. <i>Scientific Reports</i> , 2015, 5, 10123.	3.3	133
2	Key Points Estimation and Point Instance Segmentation Approach for Lane Detection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 8949-8958.	8.0	98
3	Despeckling of medical ultrasound images using Daubechies complex wavelet transform. <i>Signal Processing</i> , 2010, 90, 428-439.	3.7	92
4	Data fusion of radar and image measurements for multi-object tracking via Kalman filtering. <i>Information Sciences</i> , 2014, 278, 641-652.	6.9	84
5	Driver Drowsiness Detection Using Condition-Adaptive Representation Learning Framework. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 4206-4218.	8.0	69
6	Vehicle license plate detection using region-based convolutional neural networks. <i>Soft Computing</i> , 2018, 22, 6429-6440.	3.6	63
7	Online Multi-Object Tracking with Historical Appearance Matching and Scene Adaptive Detection Filtering. , 2018, , .		50
8	Development of a daily PM <sub>10</sub> and PM <sub>2.5</sub> prediction system using a deep long short-term memory neural network model. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12935-12951.	4.9	48
9	Multiple hypothesis tracking algorithm for multi-target camera tracking with disjoint views. <i>IET Image Processing</i> , 2018, 12, 1175-1184.	2.5	47
10	Data Association for Multi-Object Tracking via Deep Neural Networks. <i>Sensors</i> , 2019, 19, 559.	3.8	46
11	Mobile Node Localization Using Fusion Prediction-Based Interacting Multiple Model in Cricket Sensor Network. <i>IEEE Transactions on Industrial Electronics</i> , 2012, 59, 4349-4359.	7.9	44
12	A labeled random finite set online multi-object tracker for video data. <i>Pattern Recognition</i> , 2019, 90, 377-389.	8.1	44
13	Multilevel adaptive thresholding and shrinkage technique for denoising using Daubechies complex wavelet transform. <i>Imaging Science Journal</i> , 2010, 58, 340-358.	0.5	41
14	Online multiple pedestrians tracking using deep temporal appearance matching association. <i>Information Sciences</i> , 2021, 561, 326-351.	6.9	39
15	Contrastive divergence for memristor-based restricted Boltzmann machine. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 37, 336-342.	8.1	38
16	A Long Short-Term Memory (LSTM) Network for Hourly Estimation of PM <sub>2.5</sub> Concentration in Two Cities of South Korea. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3984.	2.5	37
17	Imbalanced image classification with complement cross entropy. <i>Pattern Recognition Letters</i> , 2021, 151, 33-40.	4.2	37
18	Online multiple object tracking with the hierarchically adopted GM-PHD filter using motion and appearance. , 2016, , .		32

#	ARTICLE	IF	CITATIONS
19	Adaptive Sliding-Window Strategy for Vehicle Detection in Highway Environments. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 323-335.	8.0	30
20	OneShotDA: Online Multi-Object Tracker With One-Shot-Learning-Based Data Association. IEEE Access, 2020, 8, 38060-38072.	4.2	30
21	Abnormal Event Detection and Localization via Adversarial Event Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3572-3586.	11.3	29
22	Online Multi-Object Tracking With GMPHD Filter and Occlusion Group Management. IEEE Access, 2019, 7, 165103-165121.	4.2	26
23	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
24	Weighted feature trajectories and concatenated bag-of-features for action recognition. Neurocomputing, 2014, 131, 200-207.	5.9	25
25	CDIM: Document Clustering by Discrimination Information Maximization. Information Sciences, 2015, 316, 87-106.	6.9	25
26	Predictively encoded graph convolutional network for noise-robust skeleton-based action recognition. Applied Intelligence, 2022, 52, 2317-2331.	5.3	23
27	Using Temporal Covariance of Motion and Geometric Features via Boosting for Human Fall Detection. Sensors, 2018, 18, 1918.	3.8	22
28	SNIDER: Single Noisy Image Denoising and Rectification for Improving License Plate Recognition. , 2019, , .		22
29	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
30	3D ResNet with Ranking Loss Function for Abnormal Activity Detection in Videos. , 2019, , .		21
31	Autonomous Vehicle. , 2018, , .		20
32	Joint representation learning of appearance and motion for abnormal event detection. Machine Vision and Applications, 2018, 29, 1157-1170.	2.7	19
33	Terms-based discriminative information space for robust text classification. Information Sciences, 2016, 372, 518-538.	6.9	17
34	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
35	Machine Learning Theory and Applications for Healthcare. Journal of Healthcare Engineering, 2017, 2017, 1-2.	1.9	15
36	System, Design and Experimental Validation of Autonomous Vehicle in an Unconstrained Environment. Sensors, 2020, 20, 5999.	3.8	15

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37	Representation Learning, Scene Understanding, and Feature Fusion for Drowsiness Detection. Lecture Notes in Computer Science, 2017, , 165-177.	1.3	15
38	Action matching network: open-set action recognition using spatio-temporal representation matching. Visual Computer, 2020, 36, 1457-1471.	3.5	14
39	Transfer learning for vehicle detection using two cameras with different focal lengths. Information Sciences, 2020, 514, 71-87.	6.9	14
40	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
41	Abnormal event detection using adversarial predictive coding for motion and appearance. Information Sciences, 2022, 586, 59-73.	6.9	12
42	Gaussian-Poisson mixture model for anomaly detection of crowd behaviour. , 2016, , .		11
43	Multiple Objects Tracking using Radar for Autonomous Driving. , 2020, , .		11
44	Contextual recommender system for E-commerce applications. Applied Soft Computing Journal, 2021, 109, 107552.	7.2	11
45	Unsupervised Pixel-level Road Defect Detection via Adversarial Image-to-Frequency Transform. , 2020, , .		11
46	Vehicle pose detection using region based convolutional neural network. , 2016, , .		10
47	Deep Discriminative Representation Learning for Face Verification and Person Re-Identification on Unconstrained Condition. , 2018, , .		9
48	Unconstrained Road Marking Recognition with Generative Adversarial Networks. , 2019, , .		9
49	Disparity Estimation Using Stereo Images With Different Focal Lengths. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 5258-5270.	8.0	9
50	ICT Enabled TVET Education: A Systematic Literature Review. IEEE Access, 2021, 9, 81624-81650.	4.2	9
51	<i>N<sup>2</sup>C</i> : Neural Network Controller Design Using Behavioral Cloning. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4744-4756.	8.0	9
52	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
53	Task-Driven Deep Image Enhancement Network for Autonomous Driving in Bad Weather. , 2021, , .		9
54	Novel dynamic diversity controlling EAs for coevolving optimal negotiation strategies. Information Sciences, 2014, 273, 1-32.	6.9	8

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55	Background subtraction using Gaussian-Bernoulli restricted Boltzmann machine. IET Image Processing, 2018, 12, 1646-1654.	2.5	8
56	Unsupervised Learning for Depth, Ego-Motion, and Optical Flow Estimation Using Coupled Consistency Conditions. Sensors, 2019, 19, 2459.	3.8	8
57	Block change learning for knowledge distillation. Information Sciences, 2020, 513, 360-371.	6.9	8
58	Practical License Plate Recognition in Unconstrained Surveillance Systems with Adversarial Super-Resolution. , 2019, , .		8
59	Drivable Region Estimation for Self-Driving Vehicles Using Radar. IEEE Transactions on Vehicular Technology, 2022, 71, 5971-5982.	6.3	8
60	An effective evolutionary algorithm for the multiple container packing problem. Progress in Natural Science: Materials International, 2008, 18, 337-344.	4.4	7
61	Curvelet transform based moving object segmentation. , 2013, , .		7
62	Robust detection of heartbeats using association models from blood pressure and EEG signals. BioMedical Engineering OnLine, 2016, 15, 7.	2.7	7
63	Where Am I: Localization and 3D Maps for Autonomous Vehicles. , 2019, , .		7
64	License Plate Detection via Information Maximization. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14908-14921.	8.0	7
65	Multi-Object Tracking and Segmentation With Embedding Mask-Based Affinity Fusion in Hierarchical Data Association. IEEE Access, 2022, 10, 60643-60657.	4.2	7
66	The property analysis of evolutionary algorithms applied to spanning tree problems. Applied Intelligence, 2010, 32, 96-121.	5.3	6
67	Shadow detection and removal for moving objects using Daubechies complex wavelet transform. Multimedia Tools and Applications, 2018, 77, 2391-2421.	3.9	6
68	Object Modeling from 3D Point Cloud Data for Self-Driving Vehicles. , 2018, , .		6
69	Training approach using the shallow model and hard triplet mining for person re-identification. IET Image Processing, 2020, 14, 256-266.	2.5	6
70	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
71	An incremental learning approach for restricted boltzmann machines. , 2015, , .		4
72	All-in-Focused Image Combination in the Frequency Domain Using Light Field Images. Applied Sciences (Switzerland), 2019, 9, 3752.	2.5	4

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	Context-Aware Multi-Task Learning for Traffic Scene Recognition in Autonomous Vehicles. , 2020, , .		4
76	Dynamic Control System Design for Autonomous Car. , 2020, , .		4
77	The improved adaptive link adjustment evolutionary algorithm for the multiple container packing problem. Applied Intelligence, 2010, 33, 144-158.	5.3	3
78	Spectral clustering with physical intuition on spring-mass dynamics. Journal of the Franklin Institute, 2014, 351, 3245-3268.	3.4	3
79	Conditional marked point process-based crowd counting in sparsely and moderately crowded scenes. , 2016, , .		3
80	Bolstering efficient SSGAs based on an ensemble of probabilistic variable-wise crossover strategies. Soft Computing, 2016, 20, 2149-2176.	3.6	3
81	Complex wavelet transform-based approach for human action recognition in video. , 2017, , .		3
82	Boosting Discrimination Information Based Document Clustering Using Consensus and Classification. IEEE Access, 2019, 7, 78954-78962.	4.2	3
83	Empirical Analysis of Tree-Based Models for PM2.5 Concentration Prediction. , 2019, , .		3
84	Boosted Prediction of Antihypertensive Peptides Using Deep Learning. Applied Sciences (Switzerland), 2021, 11, 2316.	2.5	3
85	Prediction of PM10 Concentration in South Korea Using Gradient Tree Boosting Models. , 2019, , .		3
86	Dynamic Control System Design for Autonomous Car. , 2020, , .		3
87	ADFNNet: accumulated decoder features for real-time semantic segmentation. IET Computer Vision, 2020, 14, 555-563.	2.0	3
88	Machine vision theory and applications for cyber-physical systems. Multimedia Tools and Applications, 0, , .	3.9	3
89	Learning Feature Representation for Face Verification. , 2017, , .		2
90	Dynamic Key Update Strategy in Physical-Layer Challenge-Response Authentication. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
91	Learning to See in the Rain via Disentangled Representation. IEEE Robotics and Automation Letters, 2024, , 1-1.	5.1	2
92	A class of quantum low-density parity check codes by combining seed graphs. Quantum Information Processing, 2013, 12, 2219-2239.	2.2	1
93	On the construction of stabilizer codes with an arbitrary binary matrix. Quantum Information Processing, 2013, 12, 467-479.	2.2	1
94	A robust real-coded genetic algorithm using an ensemble of crossover operators. , 2013, , .		1
95	Feature flow-based abnormal event detection using a scene-adaptive cuboid determination method. , 2016, , .		1
96	Vehicle Detection Using Local Size-Specific Classifiers. IEICE Transactions on Information and Systems, 2016, E99.D, 2351-2359.	0.7	1
97	Underwater acoustic sensor fault detection for passive sonar systems. , 2016, , .		1
98	Occlusion detector using convolutional neural network for person re-identification. , 2017, , .		1
99	Robust relationship learning to illumination in a camera network. , 2018, , .		1
100	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
101	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
102	Employing automatic content recognition for teaching methodology analysis in classroom videos. PLoS ONE, 2022, 17, e0263448.	2.5	1
103	A Comparative Study of Programming Environments Exploiting Heterogeneous Systems. IEEE Access, 2017, 5, 10081-10092.	4.2	0
104	Deep neural network for person re-identification in a non-overlapping camera network. , 2017, , .		0
105	Automatic part localization using 3D cuboid box for vehicle subcategory recognition. , 2017, , .		0
106	Adaptive Random Access for Mobile Sensors Based Field Reconstruction. , 2018, , .		0
107	P1â€59: TOWARD PERCEPTUAL DEEP LEARNINGâ€“BASED ABNORMAL BEHAVIOR PATTERN ANALYSIS FOR PATIENTS WITH ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P548.	0.8	0
108	Visuomotor Steering angle Prediction in Dynamic Perception Environment for Autonomous Vehicle. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
109	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
110	Efficient Stereo Matching Method using Elimination of Lighting Factors under Radiometric Variation. , 2020, , .		0
111	Warping-based spectral translation network for unsupervised cross-spectral stereo matching. Information Sciences, 2022, 588, 214-230.	6.9	0
112	Resolving Camera Position for a Practical Application of Gaze Estimation on Edge Devices. , 2022, , .		0
113	Perception-Friendly Video Enhancement for Autonomous Driving under Adverse Weather Conditions. , 2022, , .		0