

# Hyeran Byun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3871462/publications.pdf>

Version: 2024-02-01

73  
papers

730  
citations

758635

12  
h-index

610482

24  
g-index

73  
all docs

73  
docs citations

73  
times ranked

717  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting Construction Equipment Using a Region-Based Fully Convolutional Network and Transfer Learning. Journal of Computing in Civil Engineering, 2018, 32, .	2.5	160
2	Learning CNN features from DE features for EEG-based emotion recognition. Pattern Analysis and Applications, 2020, 23, 1323-1335.	3.1	79
3	Realtime training on mobile devices for face recognition applications. Pattern Recognition, 2011, 44, 386-400.	5.1	54
4	Real-time traffic sign recognition based on a general purpose GPU and deep-learning. PLoS ONE, 2017, 12, e0173317.	1.1	49
5	Incremental face recognition for large-scale social network services. Pattern Recognition, 2012, 45, 2868-2883.	5.1	44
6	A new face authentication system for memory-constrained devices. IEEE Transactions on Consumer Electronics, 2003, 49, 1214-1222.	3.0	28
7	Region-based Image Retrieval Using Probabilistic Feature Relevance Learning. Pattern Analysis and Applications, 2001, 4, 174-184.	3.1	26
8	REAL-TIME PEDESTRIAN DETECTION USING SUPPORT VECTOR MACHINES. International Journal of Pattern Recognition and Artificial Intelligence, 2003, 17, 405-416.	0.7	18
9	Exploiting Web Images for Video Highlight Detection With Triplet Deep Ranking. IEEE Transactions on Multimedia, 2018, 20, 2415-2426.	5.2	17
10	Efficient Measurement of Eye Blinking under Various Illumination Conditions for Drowsiness Detection Systems. , 2006, , .		16
11	Human tracking and silhouette extraction for human-robot interaction systems. Pattern Analysis and Applications, 2009, 12, 167-177.	3.1	15
12	Selective residual learning for Visual Question Answering. Neurocomputing, 2020, 402, 366-374.	3.5	15
13	Region-based image retrieval system using efficient feature description. , 0, , .		12
14	Contextual Action Cues from Camera Sensor for Multi-Stream Action Recognition. Sensors, 2019, 19, 1382.	2.1	12
15	A Space-Time Graph Optimization Approach Based on Maximum Cliques for Action Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 661-672.	5.6	11
16	Integrated region-based image retrieval using region's spatial relationships. , 0, , .		10
17	Object-Wise Multilayer Background Ordering for Public Area Surveillance. , 2009, , .		8
18	Service-oriented architecture based on biometric using random features and incremental neural networks. Soft Computing, 2012, 16, 1539-1553.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Exploiting hierarchical visual features for visual question answering. <i>Neurocomputing</i> , 2019, 351, 187-195.	3.5	8
20	Query-by-Gesture: An Alternative Content-Based Image Retrieval Query Scheme. <i>Journal of Visual Languages and Computing</i> , 2002, 13, 375-390.	1.8	7
21	SVM-based salient region(s) extraction method for image retrieval. , 2004, , .		7
22	Salient human detection for robot vision. <i>Pattern Analysis and Applications</i> , 2007, 10, 291-299.	3.1	7
23	Localization-Aware Adaptive Pairwise Margin Loss for Fine-Grained Image Recognition. <i>IEEE Access</i> , 2021, 9, 8786-8796.	2.6	7
24	Zero-shot learning with self-supervision by shuffling semantic embeddings. <i>Neurocomputing</i> , 2021, 437, 1-8.	3.5	7
25	Recognizing human-human interaction activities using visual and textual information. <i>Pattern Recognition Letters</i> , 2013, 34, 1840-1848.	2.6	6
26	Discovering overlooked objects: Context-based boosting of object detection in indoor scenes. <i>Pattern Recognition Letters</i> , 2017, 86, 56-61.	2.6	6
27	An efficient incremental face annotation for large scale web services. <i>Telecommunication Systems</i> , 2011, 47, 197-214.	1.6	5
28	Generating panorama image by synthesizing multiple homography. , 2012, , .		5
29	Fair-VQA: Fairness-Aware Visual Question Answering Through Sensitive Attribute Prediction. <i>IEEE Access</i> , 2020, 8, 215091-215099.	2.6	5
30	The feature generator of hard negative samples for fine-grained image recognition. <i>Neurocomputing</i> , 2021, 439, 374-382.	3.5	5
31	Sequence feature generation with temporal unrolling network for zero-shot action recognition. <i>Neurocomputing</i> , 2021, 448, 313-323.	3.5	5
32	Inter-subject Contrastive Learning for Subject Adaptive EEG-based Visual Recognition. , 2022, , .		5
33	Automatic generation of structured hyperdocuments from document images. <i>Pattern Recognition</i> , 2002, 35, 485-503.	5.1	4
34	Human interaction recognition in YouTube videos. , 2011, , .		4
35	Method to improve efficiency of human detection using scalemap. <i>Electronics Letters</i> , 2014, 50, 265-267.	0.5	4
36	Contrastive and consistent feature learning for weakly supervised object localization and semantic segmentation. <i>Neurocomputing</i> , 2021, 445, 244-254.	3.5	4

#	ARTICLE	IF	CITATIONS
37	WeatherGAN: Unsupervised multi-weather image-to-image translation via single content-preserving UResNet generator. Multimedia Tools and Applications, 2022, 81, 40269-40288.	2.6	4
38	N-division output coding method applied to face recognition. Pattern Recognition Letters, 2003, 24, 3115-3123.	2.6	3
39	Multi-resolution 3D morphable models and its matching method. , 2008, , .		3
40	Color and shape feature-based detection of speed sign in real-time. , 2012, , .		3
41	Face Identification for an in-vehicle Surveillance System Using Near Infrared Camera. , 2018, , .		3
42	Unseen image generating domain-free networks for generalized zero-shot learning. Neurocomputing, 2020, 411, 67-77.	3.5	3
43	Unsupervised Image-to-Image Translation Via Fair Representation of Gender Bias. , 2020, , .		3
44	ArrowGAN : Learning to generate videos by learning Arrow of Time. Neurocomputing, 2021, 438, 223-234.	3.5	3
45	Probabilistic neural networks supporting multi-class relevance feedback in region-based image retrieval. , 0, , .		2
46	Robust Object Segmentation Using Graph Cut with Object and Background Seed Estimation. , 2006, , .		2
47	Curve fitting algorithm using iterative error minimization for sketch beautification. , 2008, , .		2
48	A fast image retrieval system using index lookup table on mobile device. , 2008, , .		2
49	Non-static backgrounds modeling including high traffic regions. , 2008, , .		2
50	Vehicle License Plate Detection in Road Images. Journal of KIISE, 2016, 43, 186-195.	0.0	2
51	Lower Tail Light Learning-based Forward Vehicle Detection System Irrelevant to the Vehicle Types. Journal of Broadcast Engineering, 2016, 21, 609-620.	0.1	2
52	Various decomposition methods applied to face recognition. , 0, , .		1
53	Multi Subspaces Active Appearance Models. , 2008, , .		1
54	Coarse-to-Fine Particle Filter by Implicit Motion Estimation for 3D Head Tracking on Mobile Devices. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
55	Temporal gradient pattern for the near-duplicate video clustering. , 2010, , .		1
56	Plot preservation approach for video summarization. , 2011, , .		1
57	Dynamic curve color model for image matting. Pattern Recognition Letters, 2012, 33, 920-933.	2.6	1
58	Face Recognition Based on Facial Landmark Feature Descriptor in Unconstrained Environments. Journal of KIISE, 2014, 41, 666-673.	0.0	1
59	An Illumination Invariant Traffic Sign Recognition in the Driving Environment for Intelligence Vehicles. Journal of KIISE, 2015, 42, 203-212.	0.0	1
60	A mixed environment for tele-meeting between real and virtual human. , 0, , .		0
61	A new content-based image retrieval system using hand gesture and relevance feedback. , 2001, , .		0
62	Blending video with synthetic images created from matched viewing environments. Pattern Recognition, 2001, 34, 2569-2572.	5.1	0
63	Empirical remarks on output coding methods for face recognition. , 0, , .		0
64	A Combination of Generative and Discriminative Approaches to Object Detection. , 2006, , .		0
65	Face Alignment Using Segmentation and a Combined AAM in a PTZ Camera. , 2006, , .		0
66	An efficient and accurate hierarchical ICIA fitting method for 3D Morphable Models. , 2008, , .		0
67	Feature extraction method based on cascade noise elimination for sketch recognition. , 2008, , .		0
68	Fast gradient-based mesh generation method for the stereo image representation. , 2009, , .		0
69	Adaptive Color Curve Models for Image Matting. , 2010, , .		0
70	Multi-view 3D reconstruction by random-search and propagation with view-dependent patch maps. Multimedia Tools and Applications, 2016, 75, 16597-16614.	2.6	0
71	Recognition of Symbolic Road Marking using HOG-SP and Improved Lane Detection. Journal of Broadcast Engineering, 2016, 21, 87-96.	0.1	0
72	Subject Adaptive EEG-Based Visual Recognition. Lecture Notes in Computer Science, 2022, , 322-334.	1.0	0

#	ARTICLE	IF	CITATIONS
73	Exploiting domain transferability for collaborative inter-level domain adaptive object detection. Expert Systems With Applications, 2022, , 117697.	4.4	0