

Kyoung Mu Lee

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1057818/kyoung-mu-lee-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

137
papers

9,856
citations

36
h-index

99
g-index

157
ext. papers

13,479
ext. citations

4.5
avg, IF

7.09
L-index

#	Paper	IF	Citations
137	Accurate Image Super-Resolution Using Very Deep Convolutional Networks 2016 ,		2274
136	Enhanced Deep Residual Networks for Single Image Super-Resolution 2017 ,		1845
135	Deeply-Recursive Convolutional Network for Image Super-Resolution 2016 ,		1081
134	Visual tracking decomposition 2010 ,		718
133	Deep Multi-scale Convolutional Neural Network for Dynamic Scene Deblurring 2017 ,		531
132	NTIRE 2017 Challenge on Single Image Super-Resolution: Methods and Results 2017 ,		322
131	FPGA Design and Implementation of a Real-Time Stereo Vision System. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2010 , 20, 15-26	6.4	184
130	Robust stereo matching using adaptive normalized cross-correlation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011 , 33, 807-22	13.3	160
129	Reweighted Random Walks for Graph Matching. <i>Lecture Notes in Computer Science</i> , 2010 , 492-505	0.9	155
128	Hyper-graph matching via reweighted random walks 2011 ,		92
127	Occlusion invariant face recognition using selective local non-negative matrix factorization basis images. <i>Image and Vision Computing</i> , 2008 , 26, 1515-1523	3.7	90
126	2018 ,		89
125	Segmentation-Free Dynamic Scene Deblurring 2014 ,		81
124	Camera Distance-Aware Top-Down Approach for 3D Multi-Person Pose Estimation From a Single RGB Image 2019 ,		73
123	Learning full pairwise affinities for spectral segmentation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 1690-703	13.3	71
122	Dynamic Scene Deblurring 2013 ,		69
121	Tracking of a non-rigid object via patch-based dynamic appearance modeling and adaptive Basin Hopping Monte Carlo sampling 2009 ,		68

120	Generalized video deblurring for dynamic scenes 2015 ,		65
119	Deep vessel segmentation by learning graphical connectivity. <i>Medical Image Analysis</i> , 2019 , 58, 101556	15.4	63
118	Joint depth map and color consistency estimation for stereo images with different illuminations and cameras. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 1094-106	13.3	63
117	Highly nonrigid object tracking via patch-based dynamic appearance modeling. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 2427-41	13.3	62
116	Fusion of Lidar and Imagery for Reliable Building Extraction. <i>Photogrammetric Engineering and Remote Sensing</i> , 2008 , 74, 215-225	1.6	61
115	Online Video Deblurring via Dynamic Temporal Blending Network 2017 ,		60
114	Shape from Shading with a Generalized Reflectance Map Model. <i>Computer Vision and Image Understanding</i> , 1997 , 67, 143-160	4.3	55
113	Tracking by Sampling and Integrating Multiple Trackers. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 1428-41	13.3	53
112	Generative Image Segmentation Using Random Walks with Restart. <i>Lecture Notes in Computer Science</i> , 2008 , 264-275	0.9	50
111	Look Wider to Match Image Patches With Convolutional Neural Networks. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 1788-1792	3.2	49
110	Joint Weakly and Semi-Supervised Deep Learning for Localization and Classification of Masses in Breast Ultrasound Images. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 762-774	11.7	49
109	Wang-Landau Monte Carlo-based tracking methods for abrupt motions. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 1011-24	13.3	45
108	V2V-PoseNet: Voxel-to-Voxel Prediction Network for Accurate 3D Hand and Human Pose Estimation from a Single Depth Map 2018 ,		45
107	Visual SLAM with Line and Corner Features 2006 ,		44
106	Robust Light Field Depth Estimation Using Occlusion-Noise Aware Data Costs. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 2484-2497	13.3	41
105	Tracking by Sampling Trackers 2011 ,		41
104	Deep Meta Learning for Real-Time Target-Aware Visual Tracking 2019 ,		39
103	A Geometric Particle Filter for Template-Based Visual Tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 625-43	13.3	37

102	Learning full pairwise affinities for spectral segmentation 2010 ,		37
101	Multi-modal/multi-scale convolutional neural network based in-loop filter design for next generation video codec 2017 ,		36
100	Tracking of Abrupt Motion Using Wang-Landau Monte Carlo Estimation. <i>Lecture Notes in Computer Science</i> , 2008 , 387-400	0.9	36
99	Recognition of 2D Object Contours Using Starting-Point-Independent Wavelet Coefficient Matching. <i>Journal of Visual Communication and Image Representation</i> , 1998 , 9, 171-181	2.7	35
98	Nonparametric higher-order learning for interactive segmentation 2010 ,		34
97	I2L-MeshNet: Image-to-Lixel Prediction Network for Accurate 3D Human Pose and Mesh Estimation from a Single RGB Image. <i>Lecture Notes in Computer Science</i> , 2020 , 752-768	0.9	33
96	Unsupervised detection and segmentation of identical objects 2010 ,		31
95	Discrete Tabu Search for Graph Matching 2015 ,		30
94	CV-SLAM: a new ceiling vision-based SLAM technique 2005 ,		27
93	Joint Estimation of Camera Pose, Depth, Deblurring, and Super-Resolution from a Blurred Image Sequence 2017 ,		26
92	Dynamic Video Deblurring Using a Locally Adaptive Blur Model. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 2374-2387	13.3	25
91	Visual tracking via geometric particle filtering on the affine group with optimal importance functions 2009 ,		25
90	Recognition of partially occluded objects using probabilistic ARG (attributed relational graph)-based matching. <i>Computer Vision and Image Understanding</i> , 2003 , 90, 217-241	4.3	24
89	Real-time visual tracking by deep reinforced decision making. <i>Computer Vision and Image Understanding</i> , 2018 , 171, 10-19	4.3	24
88	A Graph Matching Algorithm Using Data-Driven Markov Chain Monte Carlo Sampling 2010 ,		23
87	A Line Feature Matching Technique Based on an Eigenvector Approach. <i>Computer Vision and Image Understanding</i> , 2000 , 77, 263-283	4.3	21
86	Optical Flow via Locally Adaptive Fusion of Complementary Data Costs 2013 ,		20
85	Simultaneous localization, mapping and deblurring 2011 ,		20

84	Ghost-Free High Dynamic Range Imaging. <i>Lecture Notes in Computer Science</i> , 2011 , 486-500	0.9	20
83	Co-recognition of Image Pairs by Data-Driven Monte Carlo Image Exploration. <i>Lecture Notes in Computer Science</i> , 2008 , 144-157	0.9	19
82	Graph Matching via Sequential Monte Carlo. <i>Lecture Notes in Computer Science</i> , 2012 , 624-637	0.9	19
81	Tensor-Based High-Order Semantic Relation Transfer for Semantic Scene Segmentation 2013 ,		18
80	Task-Aware Image Downscaling. <i>Lecture Notes in Computer Science</i> , 2018 , 419-434	0.9	18
79	A Unified Framework for Event Summarization and Rare Event Detection from Multiple Views. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 1737-50	13.3	17
78	Simultaneous Depth Reconstruction and Restoration of Noisy Stereo Images using Non-local Pixel Distribution 2007 ,		16
77	Multiview normal field integration using level set methods 2007 ,		16
76	Edge-preserving colorization using data-driven Random Walks with Restart 2009 ,		15
75	GPU-friendly multi-view stereo reconstruction using surfel representation and graph cuts. <i>Computer Vision and Image Understanding</i> , 2011 , 115, 620-634	4.3	15
74	Multi-robot SLAM using ceiling vision 2009 ,		14
73	Color-Based Image Retrieval Using Perceptually Modified Hausdorff Distance. <i>Eurasip Journal on Image and Video Processing</i> , 2008 , 2008, 1-10	2.5	14
72	Shape from Photometric Ratio and Stereo. <i>Journal of Visual Communication and Image Representation</i> , 1996 , 7, 155-162	2.7	13
71	Subgraph matching using compactness prior for robust feature correspondence 2015 ,		11
70	Minimum Uncertainty Gap for Robust Visual Tracking 2013 ,		11
69	Monocular SLAM with locally planar landmarks via geometric rao-blackwellized particle filtering on Lie groups 2010 ,		11
68	Mutual information-based stereo matching combined with SIFT descriptor in log-chromaticity color space 2009 ,		11
67	Stereo Matching Using Population-Based MCMC. <i>International Journal of Computer Vision</i> , 2009 , 83, 195-209		11

66	Model-Based Object Recognition Using Geometric Invariants of Points and Lines. <i>Computer Vision and Image Understanding</i> , 2001 , 84, 361-383	4.3	11
65	Learning to Forget for Meta-Learning 2020 ,		11
64	Robust Visual Tracking with Double Bounding Box Model. <i>Lecture Notes in Computer Science</i> , 2014 , 377-392	3.9	9
63	Adaptive Visual Tracking with Minimum Uncertainty Gap Estimation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 18-31	13.3	8
62	2D \rightarrow 3D pose consistency-based conditional random fields for 3D human pose estimation. <i>Computer Vision and Image Understanding</i> , 2018 , 169, 52-61	4.3	8
61	Joint Blind Motion Deblurring and Depth Estimation of Light Field. <i>Lecture Notes in Computer Science</i> , 2018 , 300-316	0.9	8
60	SeedNet: Automatic Seed Generation with Deep Reinforcement Learning for Robust Interactive Segmentation 2018 ,		8
59	Adaptive rate control algorithms for low bit rate video under networks supporting bandwidth renegotiation. <i>Signal Processing: Image Communication</i> , 2002 , 17, 759-779	2.8	7
58	SPNet: Deep 3D Object Classification and Retrieval Using Stereographic Projection. <i>Lecture Notes in Computer Science</i> , 2019 , 691-706	0.9	7
57	Toward Global Minimum through Combined Local Minima. <i>Lecture Notes in Computer Science</i> , 2008 , 298-311	3.1	7
56	Abnormal Object Detection by Canonical Scene-Based Contextual Model. <i>Lecture Notes in Computer Science</i> , 2012 , 651-664	0.9	7
55	Joint segmentation and classification of hepatic lesions in ultrasound images using deep learning. <i>European Radiology</i> , 2021 , 31, 8733-8742	8	7
54	AIM 2019 Challenge on Video Temporal Super-Resolution: Methods and Results 2019 ,		7
53	Large margin learning of hierarchical semantic similarity for image classification. <i>Computer Vision and Image Understanding</i> , 2015 , 132, 3-11	4.3	6
52	Interval Tracker: Tracking by Interval Analysis 2014 ,		6
51	Multi-object reconstruction from dynamic scenes: An object-centered approach. <i>Computer Vision and Image Understanding</i> , 2013 , 117, 1575-1588	4.3	6
50	Shape from shading using graph cuts. <i>Pattern Recognition</i> , 2008 , 41, 3749-3757	7.7	6
49	Perceptual grouping of line features in 3-D space: a model-based framework. <i>Pattern Recognition</i> , 2004 , 37, 145-159	7.7	6

48	Deep recurrent resnet for video super-resolution 2017 ,		5
47	Stereo reconstruction using high-order likelihoods. <i>Computer Vision and Image Understanding</i> , 2014 , 125, 223-236	4.3	5
46	Multi-image matching for a general motion stereo camera model. <i>Pattern Recognition</i> , 2001 , 34, 1701-1712	4.7	5
45	Efficient Measurement of Shape Dissimilarity between 3D Models Using Z-Buffer and Surface Roving Method. <i>Eurasip Journal on Advances in Signal Processing</i> , 2002 , 2002, 1	1.9	5
44	A New Similarity Measure for Random Signatures: Perceptually Modified Hausdorff Distance. <i>Lecture Notes in Computer Science</i> , 2006 , 990-1001	0.9	5
43	A Sequential Approach to 3D Human Pose Estimation: Separation of Localization and Identification of Body Joints. <i>Lecture Notes in Computer Science</i> , 2016 , 747-761	0.9	4
42	Geometric particle swarm optimization for robust visual ego-motion estimation via particle filtering. <i>Image and Vision Computing</i> , 2013 , 31, 565-579	3.7	4
41	A hybrid approach for MRF optimization problems: Combination of stochastic sampling and deterministic algorithms. <i>Computer Vision and Image Understanding</i> , 2011 , 115, 1623-1637	4.3	4
40	A Unified Probabilistic Approach to Feature Matching and Object Segmentation 2010 ,		4
39	Stereo reconstruction using high order likelihood 2011 ,		4
38	Robust visual tracking using autoregressive hidden Markov Model 2012 ,		4
37	Stereo matching using iterative reliable disparity map expansion in the color-spatial-disparity space. <i>Pattern Recognition</i> , 2007 , 40, 3705-3713	7.7	4
36	A dense stereo matching using two-pass dynamic programming with generalized ground control points		4
35	A Novel Cascade Classifier for Automatic Microcalcification Detection. <i>PLoS ONE</i> , 2015 , 10, e0143725	3.7	4
34	SRWarp: Generalized Image Super-Resolution under Arbitrary Transformation 2021 ,		4
33	Window Annealing over Square Lattice Markov Random Field. <i>Lecture Notes in Computer Science</i> , 2008 , 307-320	0.9	4
32	Depth Estimation Network for Dual Defocused Images with Different Depth-of-Field 2018 ,		4
31	Visual tracking using the joint inference of target state and segment-based appearance models 2013 ,		3

30	Learning object relationships via graph-based context model 2012 ,		3
29	Toward Real-World Super-Resolution via Adaptive Downsampling Models. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	3
28	DynaVSR: Dynamic Adaptive Blind Video Super-Resolution 2021 ,		3
27	Triplanar convolution with shared 2D kernels for 3D classification and shape retrieval. <i>Computer Vision and Image Understanding</i> , 2020 , 193, 102901	4.3	2
26	Markov Chain Monte Carlo combined with deterministic methods for Markov random field optimization 2009 ,		2
25	Multiswarm Particle Filter for vision based SLAM 2009 ,		2
24	A unified framework for event summarization and rare event detection 2012 ,		2
23	Segment-based Foreground Object Disparity Estimation Using Zcam and Multiple-View Stereo 2008 ,		2
22	Partially Occluded Object-Specific Segmentation in View-Based Recognition 2007 ,		2
21	3D target recognition based on projective invariant relationships. <i>Journal of Visual Communication and Image Representation</i> , 2003 , 14, 1-21	2.7	2
20	Stereo Matching Using Population-Based MCMC. <i>Lecture Notes in Computer Science</i> , 2007 , 560-569	0.9	2
19	Alpha Matting of Motion-Blurred Objects in Bracket Sequence Images. <i>Lecture Notes in Computer Science</i> , 2014 , 125-139	0.9	2
18	Stereo Matching Using Iterated Graph Cuts and Mean Shift Filtering. <i>Lecture Notes in Computer Science</i> , 2006 , 31-40	0.9	2
17	Window annealing for pixel-labeling problems. <i>Computer Vision and Image Understanding</i> , 2013 , 117, 289-303	4.3	1
16	Depth maps and high-dynamic range image generation from alternating exposure multiview images. <i>Journal of Electronic Imaging</i> , 2017 , 26, 043006	0.7	1
15	Random forest with data ensemble for saliency detection 2015 ,		1
14	Image Segmentation by Edge Partitioning over a Nonsubmodular Markov Random Field. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-9	1.1	1
13	Mode-seeking on graphs via random walks 2012 ,		1

12	Feature correspondence and deformable object matching via agglomerative correspondence clustering 2009 ,		1
11	Progressive encoding of binary voxel models using pyramidal decomposition. <i>Journal of Visual Communication and Image Representation</i> , 2004 , 15, 44-64	2.7	1
10	A New Stereo Matching Model Using Visibility Constraint Based on Disparity Consistency. <i>Lecture Notes in Computer Science</i> , 2006 , 598-609	0.9	1
9	Stereo Matching Using Scanline Disparity Discontinuity Optimization. <i>Lecture Notes in Computer Science</i> , 2006 , 588-597	0.9	1
8	OBJECT CORRESPONDENCE NETWORKS FOR UNSUPERVISED RECOGNITION OF IDENTICAL OBJECTS. <i>Series in Computer Vision</i> , 2011 , 313-334		1
7	Bi-Directional Seed Attention Network for Interactive Image Segmentation. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 1540-1544	3.2	1
6	A New 3-D Model Retrieval System Based on Aspect-Transition Descriptor. <i>Lecture Notes in Computer Science</i> , 2006 , 543-554	0.9	1
5	Visual Tracking by Adaptive Continual Meta-Learning. <i>IEEE Access</i> , 2022 , 10, 9022-9035	3.5	0
4	Topology-Aware Retinal Artery/Vein Classification via Deep Vascular Connectivity Prediction. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 320	2.6	0
3	A Novel Stochastic Attributed Relational Graph Matching Based on Relation Vector Space Analysis. <i>Lecture Notes in Computer Science</i> , 2006 , 978-989	0.9	
2	A Probabilistic Model for Correspondence Problems Using Random Walks with Restart. <i>Lecture Notes in Computer Science</i> , 2010 , 416-425	0.9	
1	Co-recognition of Images and Videos: Unsupervised Matching of Identical Object Patterns and Its Applications 2013 , 113-141		