Luc Van Gool

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/4045425/luc-van-gool-publications-by-year.pdf
Version: 2024-04-28

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.

100 papers	5,931 citations	30 h-index	76 g-index
111 ext. papers	8,484 ext. citations	5.5 avg, IF	6.5 L-index

#	Paper	IF	Citations
100	Improving depth estimation using map-based depth priors. *IEEE Robotics and Automation Letters*, **2022**, 1-1	4.2	
99	Learnable Online Graph Representations for 3D Multi-Object Tracking. *IEEE Robotics and Automation Letters*, **2022**, 1-1	4.2	7
98	Understanding Bird's-Eye View of Road Semantics Using an Onboard Camera. *IEEE Robotics and Automation Letters*, **2022**, 7, 3302-3309	4.2	1
97	End-to-End Optimization of LiDAR Beam Configuration for 3D Object Detection and Localization. *IEEE Robotics and Automation Letters*, **2022**, 7, 2242-2249	4.2	2
96	A Real-Time Online Learning Framework for Joint 3D Reconstruction and Semantic Segmentation of Indoor Scenes. *IEEE Robotics and Automation Letters*, **2022**, 7, 1332-1339	4.2	1
95	Efficient Conditional GAN Transfer with Knowledge Propagation across Classes **2021**,		2
94	DeFlow: Learning Complex Image Degradations from Unpaired Data with Conditional Flows **2021**,		5
93	Differentiable Multi-Granularity Human Representation Learning for Instance-Aware Human Semantic Parsing **2021**,		14
92	Cluster, Split, Fuse, and Update: Meta-Learning for Open Compound Domain Adaptive Semantic Segmentation **2021**,		4
91	Deep Burst Super-Resolution **2021**,		17
90	Learning Accurate Dense Correspondences and When to Trust Them **2021**,		11
89	Flow-based Kernel Prior with Application to Blind Super-Resolution **2021**,		19
88	The Heterogeneity Hypothesis: Finding Layer-Wise Differentiated Network Architectures **2021**,		2
87	SwinIR: Image Restoration Using Swin Transformer **2021**,		130
86	Learning from Simulation, Racing in Reality **2021**,		1
85	Fast Few-Shot Classification by Few-Iteration Meta-Learning **2021**,		1
84	Improving Point Cloud Semantic Segmentation by Learning 3D Object Detection **2021**,		5

83	Learning for Video Compression With Recurrent Auto-Encoder and Recurrent Probability Model. *IEEE Journal on Selected Topics in Signal Processing*, **2021**, 15, 388-401	7.5	8
82	. *IEEE Robotics and Automation Letters*, **2021**, 6, 4321-4328	4.2	0
81	Outdoor Plant Segmentation With Deep Learning for High-Throughput Field Phenotyping on a Diverse Wheat Dataset.. *Frontiers in Plant Science*, **2021**, 12, 774068	6.2	1
80	Mutual Affine Network for Spatially Variant Kernel Estimation in Blind Image Super-Resolution **2021**,		13
79	Hierarchical Conditional Flow: A Unified Framework for Image Super-Resolution and Image Rescaling **2021**,		4
78	Designing a Practical Degradation Model for Deep Blind Image Super-Resolution **2021**,		36
77	Efficient Video Semantic Segmentation with Labels Propagation and Refinement **2020**,		6
76	Towards Good Practice for CNN-Based Monocular Depth Estimation **2020**,		10
75	Geometrically Mappable Image Features. *IEEE Robotics and Automation Letters*, **2020**, 5, 2062-2069	4.2	1
74	Action Sequence Predictions of Vehicles in Urban Environments using Map and Social Context **2020** ,		3
73	Depth Estimation from Monocular Images and Sparse Radar Data **2020**,		8
72	Map-Guided Curriculum Domain Adaptation and Uncertainty-Aware Evaluation for Semantic Nighttime Image Segmentation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2020**, PP,	13.3	15
71	Towards Partial Supervision for Generic Object Counting in Natural Scenes. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2020**, PP,	13.3	1
70	Semantic Object Prediction and Spatial Sound Super-Resolution with Binaural Sounds. *Lecture Notes in Computer Science*, **2020**, 638-655	0.9	8
69	Weakly Supervised 3D Object Detection from Lidar Point Cloud. *Lecture Notes in Computer Science*, **2020**, 515-531	0.9	16
68	Learning Unsupervised Hierarchical Part Decomposition of 3D Objects From a Single RGB Image **2020**,		17
67	Deep Unfolding Network for Image Super-Resolution **2020**,		115
66	Don Forget The Past: Recurrent Depth Estimation from Monocular Video. *IEEE Robotics and Automation Letters*, **2020**, 5, 6813-6820	4.2	17

65	Learning for Video Compression With Hierarchical Quality and Recurrent Enhancement **2020**,		24
64	Probabilistic Regression for Visual Tracking **2020**,		107
63	Group Sparsity: The Hinge Between Filter Pruning and Decomposition for Network Compression **2020**,		36
62	stagNet: An Attentive Semantic RNN for Group Activity and Individual Action Recognition. *IEEE Transactions on Circuits and Systems for Video Technology*, **2020**, 30, 549-565	6.4	28
61	Adversarial Binary Coding for Efficient Person Re-Identification **2019**,		13
60	Fast Perceptual Image Enhancement. *Lecture Notes in Computer Science*, **2019**, 260-275	0.9	9
59	Customized Multi-person Tracker. *Lecture Notes in Computer Science*, **2019**, 612-628	0.9	6
58	PIRM Challenge on Perceptual Image Enhancement on Smartphones: Report. *Lecture Notes in Computer Science*, **2019**, 315-333	0.9	25
57	Learned Dynamic Guidance for Depth Image Reconstruction. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2019**,	13.3	8
56	Night-to-Day Image Translation for Retrieval-based Localization **2019**,		44
55	Texture Underfitting for Domain Adaptation **2019**,		3
54	Sparse and Noisy LiDAR Completion with RGB Guidance and Uncertainty **2019**,		81
53	Semantic Understanding of Foggy Scenes with Purely Synthetic Data **2019**,		13
52	Deep Expectation of Real and Apparent Age from a Single Image Without Facial Landmarks. *International Journal of Computer Vision*, **2018**, 126, 144-157	10.6	277
51	Transferring Deep Object and Scene Representations for Event Recognition in Still Images. *International Journal of Computer Vision*, **2018**, 126, 390-409	10.6	27
50	Consensus Maximization for Semantic Region Correspondences **2018**,		3
49	WILDTRACK: A Multi-camera HD Dataset for Dense Unscripted Pedestrian Detection **2018**,		31
48	Dense 3D Regression for Hand Pose Estimation **2018**,		59

47	NTIRE 2018 Challenge on Single Image Super-Resolution: Methods and Results **2018**,		99
46	Covariance Pooling for Facial Expression Recognition **2018**,		60
45	Conditional Probability Models for Deep Image Compression **2018**,		157
44	Failure Prediction for Autonomous Driving **2018**,		18
43	Hierarchical Attention and Context Modeling for Group Activity Recognition **2018**,		8
42	NTIRE 2018 Challenge on Image Dehazing: Methods and Results **2018**,		55
41	WESPE: Weakly Supervised Photo Enhancer for Digital Cameras **2018**,		73
40	Leveraging observation uncertainty for robust visual tracking. *Computer Vision and Image Understanding*, **2017**, 158, 62-71	4.3	2
39	Thin-Slicing Network: A Deep Structured Model for Pose Estimation in Videos **2017**,		47
38	UntrimmedNets for Weakly Supervised Action Recognition and Detection **2017**,		202
37	VarCity - the video **2017**,		2
36	PathTrack: Fast Trajectory Annotation with Path Supervision **2017**,		22
35	Efficient Model-Free Anthropometry from Depth Data **2017**,		2
34	Robust Aerial Object Tracking from an Airborne platform. *IEEE Aerospace and Electronic Systems Magazine*, **2016**, 31, 38-46	2.4	13
33	Convolutional Oriented Boundaries. *Lecture Notes in Computer Science*, **2016**, 580-596	0.9	48
32	Seven Ways to Improve Example-Based Single Image Super Resolution **2016**,		208
31	Joint Tracking and Ground Plane Estimation. *IEEE Signal Processing Letters*, **2016**, 23, 1514-1517	3.2	10
30	The Pascal Visual Object Classes Challenge: A Retrospective. *International Journal of Computer Vision*, **2015**, 111, 98-136	10.6	2318

29	Boosting Object Proposals: From Pascal to COCO **2015**,		25
28	Efficient regression priors for post-processing demosaiced images **2015**,		4
27	Efficient regression priors for reducing image compression artifacts **2015**,		11
26	Branch&Rank for Efficient Object Detection. *International Journal of Computer Vision*, **2014**, 106, 252-268	10.6	2
25	Markerless Vision-Based Augmented Reality for Urban Planning. *Computer-Aided Civil and Infrastructure Engineering*, **2014**, 29, 2-17	8.4	42
24	Aerial object tracking from an airborne platform **2014**,		29
23	Reconstruction of Inextensible Surfaces on a Budget via Bootstrapping **2014**,		1
22	Ground Plane Estimation Using a Hidden Markov Model **2014**,		9
21	Learning Where to Classify in Multi-view Semantic Segmentation. *Lecture Notes in Computer Science* , **2014**, 516-532	0.9	33
20	Random Forests for Real Time 3D Face Analysis. *International Journal of Computer Vision*, **2013**, 101, 437-458	4.58	316
19	Is There a Procedural Logic to Architecture? **2013**,		10
18	Real time 3D face alignment with Random Forests-based Active Appearance Models **2013**,		26
17	Sparse Quantization for Patch Description **2013**,		9
16	Real time 3D head pose estimation: Recent achievements and future challenges **2012**,		10
15	Coupled Action Recognition and Pose Estimation from Multiple Views. *International Journal of Computer Vision*, **2012**, 100, 16-37	10.6	64
14	Improved person detection in industrial environments using multiple self-calibrated cameras **2011**,		1
13	Fast PRISM: Branch and Bound Hough Transform for Object Class Detection. *International Journal of Computer Vision*, **2011**, 94, 175-197	10.6	45
12	Real-time 3D hand gesture interaction with a robot for understanding directions from humans **2011**,		72

11	Multi-view manhole detection, recognition, and 3D localisation **2011**,		14
10	What's going on? Discovering spatio-temporal dependencies in dynamic scenes **2010**,		108
9	Multi-object tracking evaluated on sparse events. *Multimedia Tools and Applications*, **2010**, 50, 29-47	2.5	8
8	Real-Time Body Pose Recognition Using 2D or 3D Haarlets. *International Journal of Computer Vision*, **2009**, 83, 72-84	10.6	19
7	AWEAR 2.0 system: Omni-directional audio-visual data acquisition and processing **2009**,		3
6	A distributed camera system for multi-resolution surveillance **2009**,		20
5	Real-time face pose estimation from single range images **2008**,		107
4	Fast 3D Scanning with Automatic Motion Compensation **2007**,		134
3	3D from Line Segments in Two Poorly-Textured, Uncalibrated Images **2006**,		14
2	Simultaneous Object Recognition and Segmentation from Single or Multiple Model Views. *International Journal of Computer Vision*, **2006**, 67, 159-188	10.6	136
1	AWEAR 2.0 system: Omni-directional audio-visual data acquisition and processing		1