

Alexandre Alahi

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

11,577
citations

471371

17
h-index

580701

25
g-index

63
all docs

63
docs citations

63
times ranked

7528
citing authors

#	ARTICLE	IF	CITATIONS
1	Perceptual Losses for Real-Time Style Transfer and Super-Resolution. Lecture Notes in Computer Science, 2016, , 694-711.	1.0	4,037
2	Social LSTM: Human Trajectory Prediction in Crowded Spaces. , 2016, , .		1,756
3	FREAK: Fast Retina Keypoint. , 2012, , .		1,134
4	Social GAN: Socially Acceptable Trajectories with Generative Adversarial Networks. , 2018, , .		1,085
5	Learning to Track: Online Multi-object Tracking by Decision Making. , 2015, , .		443
6	Tracking the Untrackable: Learning to Track Multiple Cues with Long-Term Dependencies. , 2017, , .		350
7	Learning Social Etiquette: Human Trajectory Understanding In Crowded Scenes. Lecture Notes in Computer Science, 2016, , 549-565.	1.0	339
8	PifPaf: Composite Fields for Human Pose Estimation. , 2019, , .		280
9	Crowd-Robot Interaction: Crowd-Aware Robot Navigation With Attention-Based Deep Reinforcement Learning. , 2019, , .		271
10	Social Scene Understanding: End-to-End Multi-person Action Localization and Collective Activity Recognition. , 2017, , .		152
11	Socially-Aware Large-Scale Crowd Forecasting. , 2014, , .		121
12	Unsupervised Learning of Long-Term Motion Dynamics for Videos. , 2017, , .		117
13	Recurrent Attention Models for Depth-Based Person Identification. , 2016, , .		100
14	Towards Viewpoint Invariant 3D Human Pose Estimation. Lecture Notes in Computer Science, 2016, , 160-177.	1.0	87
15	Convolutional Relational Machine for Group Activity Recognition. , 2019, , .		83
16	Cascade of descriptors to detect and track objects across any network of cameras. Computer Vision and Image Understanding, 2010, 114, 624-640.	3.0	82
17	Human Trajectory Forecasting in Crowds: A Deep Learning Perspective. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 7386-7400.	4.7	81
18	Characterizing and Improving Stability in Neural Style Transfer. , 2017, , .		76

#	ARTICLE	IF	CITATIONS
19	A computer vision system for deep learning-based detection of patient mobilization activities in the ICU. <i>Npj Digital Medicine</i> , 2019, 2, 11.	5.7	73
20	CAR-Net: Clairvoyant Attentive Recurrent Network. <i>Lecture Notes in Computer Science</i> , 2018, , 162-180.	1.0	65
21	MonoLoco: Monocular 3D Pedestrian Localization and Uncertainty Estimation. , 2019, , .		62
22	Knowledge Transfer for Scene-Specific Motion Prediction. <i>Lecture Notes in Computer Science</i> , 2016, , 697-713.	1.0	58
23	Enhancing discrete choice models with representation learning. <i>Transportation Research Part B: Methodological</i> , 2020, 140, 236-261.	2.8	52
24	OpenPifPaf: Composite Fields for Semantic Keypoint Detection and Spatio-Temporal Association. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 13498-13511.	4.7	49
25	Sparsity Driven People Localization with a Heterogeneous Network of Cameras. <i>Journal of Mathematical Imaging and Vision</i> , 2011, 41, 39-58.	0.8	46
26	Social NCE: Contrastive Learning of Socially-aware Motion Representations. , 2021, , .		41
27	RGB-W: When Vision Meets Wireless. , 2015, , .		37
28	Sport players detection and tracking with a mixed network of planar and omnidirectional cameras. , 2009, , .		36
29	Robust real-time pedestrians detection in urban environments with low-resolution cameras. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 39, 113-128.	3.9	35
30	Stream carving: An adaptive seam carving algorithm. , 2010, , .		34
31	Jointly Learning Energy Expenditures and Activities Using Egocentric Multimodal Signals. , 2017, , .		34
32	Learning to Predict Human Behavior in Crowded Scenes. , 2017, , 183-207.		32
33	Long-term path prediction in urban scenarios using circular distributions. <i>Image and Vision Computing</i> , 2018, 69, 81-91.	2.7	31
34	Automatic detection of hand hygiene using computer vision technology. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 1316-1320.	2.2	31
35	Pedestrian intention prediction: A convolutional bottom-up multi-task approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 130, 103259.	3.9	30
36	Injecting knowledge in data-driven vehicle trajectory predictors. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 128, 103010.	3.9	28

#	ARTICLE	IF	CITATIONS
37	Interpretable Social Anchors for Human Trajectory Forecasting in Crowds. , 2021, , .		24
38	From Bits to Images: Inversion of Local Binary Descriptors. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 874-887.	9.7	21
39	Sparsity-driven people localization algorithm: Evaluation in crowded scenes environments. , 2009, , .		18
40	A master-slave approach for object detection and matching with fixed and mobile cameras. , 2008, , .		16
41	Adaptive hot water production based on Supervised Learning. Sustainable Cities and Society, 2021, 66, 102625.	5.1	13
42	SCOOP: A Real-Time Sparsity Driven People Localization Algorithm. Journal of Mathematical Imaging and Vision, 2014, 48, 160-175.	0.8	12
43	Perceiving Humans: From Monocular 3D Localization to Social Distancing. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 7401-7418.	4.7	11
44	Keypoint Communities. , 2021, , .		11
45	Safety-aware Motion Prediction with Unseen Vehicles for Autonomous Driving. , 2021, , .		11
46	A sparsity constrained inverse problem to locate people in a network of cameras. , 2009, , .		10
47	Are socially-aware trajectory prediction models really socially-aware?. Transportation Research Part C: Emerging Technologies, 2022, 141, 103705.	3.9	9
48	Collaborative Sampling in Generative Adversarial Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 4948-4956.	3.6	8
49	Tracking Millions of Humans in Crowded Spaces. , 2017, , 115-135.		7
50	Learning Decoupled Representations for Human Pose Forecasting. , 2021, , .		7
51	Unsupervised camera localization in crowded spaces. , 2017, , .		5
52	Joint Human Pose Estimation and Stereo 3D Localization. , 2020, , .		4
53	Deep visual Re-identification with confidence. Transportation Research Part C: Emerging Technologies, 2021, 126, 103067.	3.9	4
54	MonStereo: When Monocular and Stereo Meet at the Tail of 3D Human Localization. , 2021, , .		4

#	ARTICLE	IF	CITATIONS
55	Foreground silhouette extraction robust to sudden changes of background appearance. , 2012, , .		3
56	Using a Priori Knowledge to Improve Scene Understanding. , 2019, , .		3
57	Object detection and matching in a mixed network of fixed and mobile cameras. , 2008, , .		2
58	Pedestrian Stop and Go Forecasting with Hybrid Feature Fusion. , 2022, , .		2
59	Guest Editorial: Introduction to the Special Issue on Long-Term Human Motion Prediction. IEEE Robotics and Automation Letters, 2021, 6, 5613-5617.	3.3	1
60	Linear Artificial Forces for Human Dynamics in Complex Contexts. Smart Innovation, Systems and Technologies, 2020, , 21-33.	0.5	1
61	A Shared Representation for Photorealistic Driving Simulators. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13835-13845.	4.7	1