

Alexandre Alahi

List of Publications by Year in descending order

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61
papers

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citations

535685

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docs citations

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times ranked

8457
citing authors

#	ARTICLE	IF	CITATIONS
1	Perceiving Humans: From Monocular 3D Localization to Social Distancing. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 7401-7418.	4.7	11
2	Human Trajectory Forecasting in Crowds: A Deep Learning Perspective. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 7386-7400.	4.7	81
3	A Shared Representation for Photorealistic Driving Simulators. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13835-13845.	4.7	1
4	OpenPifPaf: Composite Fields for Semantic Keypoint Detection and Spatio-Temporal Association. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13498-13511.	4.7	49
5	Are socially-aware trajectory prediction models really socially-aware?. Transportation Research Part C: Emerging Technologies, 2022, 141, 103705.	3.9	9
6	Pedestrian Stop and Go Forecasting with Hybrid Feature Fusion. , 2022, , .		2
7	Adaptive hot water production based on Supervised Learning. Sustainable Cities and Society, 2021, 66, 102625.	5.1	13
8	Deep visual Re-identification with confidence. Transportation Research Part C: Emerging Technologies, 2021, 126, 103067.	3.9	4
9	Injecting knowledge in data-driven vehicle trajectory predictors. Transportation Research Part C: Emerging Technologies, 2021, 128, 103010.	3.9	28
10	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
11	Pedestrian intention prediction: A convolutional bottom-up multi-task approach. Transportation Research Part C: Emerging Technologies, 2021, 130, 103259.	3.9	30
12	MonStereo: When Monocular and Stereo Meet at the Tail of 3D Human Localization. , 2021, , .		4
13	Interpretable Social Anchors for Human Trajectory Forecasting in Crowds. , 2021, , .		24
14	Learning Decoupled Representations for Human Pose Forecasting. , 2021, , .		7
15	Social NCE: Contrastive Learning of Socially-aware Motion Representations. , 2021, , .		41
16	Keypoint Communities. , 2021, , .		11
17	Safety-aware Motion Prediction with Unseen Vehicles for Autonomous Driving. , 2021, , .		11
18	Enhancing discrete choice models with representation learning. Transportation Research Part B: Methodological, 2020, 140, 236-261.	2.8	52

#	ARTICLE	IF	CITATIONS
19	Automatic detection of hand hygiene using computer vision technology. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1316-1320.	2.2	31
20	Joint Human Pose Estimation and Stereo 3D Localization. , 2020, , .		4
21	Linear Artificial Forces for Human Dynamics in Complex Contexts. Smart Innovation, Systems and Technologies, 2020, , 21-33.	0.5	1
22	Collaborative Sampling in Generative Adversarial Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 4948-4956.	3.6	8
23	Crowd-Robot Interaction: Crowd-Aware Robot Navigation With Attention-Based Deep Reinforcement Learning. , 2019, , .		271
24	A computer vision system for deep learning-based detection of patient mobilization activities in the ICU. Npj Digital Medicine, 2019, 2, 11.	5.7	73
25	Using a Prior Knowledge to Improve Scene Understanding. , 2019, , .		3
26	Convolutional Relational Machine for Group Activity Recognition. , 2019, , .		83
27	MonoLoco: Monocular 3D Pedestrian Localization and Uncertainty Estimation. , 2019, , .		62
28	PifPaf: Composite Fields for Human Pose Estimation. , 2019, , .		280
29	Long-term path prediction in urban scenarios using circular distributions. Image and Vision Computing, 2018, 69, 81-91.	2.7	31
30	Social GAN: Socially Acceptable Trajectories with Generative Adversarial Networks. , 2018, , .		1,085
31	CAR-Net: Clairvoyant Attentive Recurrent Network. Lecture Notes in Computer Science, 2018, , 162-180.	1.0	65
32	Tracking the Untrackable: Learning to Track Multiple Cues with Long-Term Dependencies. , 2017, , .		350
33	Social Scene Understanding: End-to-End Multi-person Action Localization and Collective Activity Recognition. , 2017, , .		152
34	Characterizing and Improving Stability in Neural Style Transfer. , 2017, , .		76
35	Jointly Learning Energy Expenditures and Activities Using Egocentric Multimodal Signals. , 2017, , .		34
36	Unsupervised camera localization in crowded spaces. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
37	Unsupervised Learning of Long-Term Motion Dynamics for Videos. , 2017, , .		117
38	Tracking Millions of Humans in Crowded Spaces. , 2017, , 115-135.		7
39	Learning to Predict Human Behavior in Crowded Scenes. , 2017, , 183-207.		32
40	Recurrent Attention Models for Depth-Based Person Identification. , 2016, , .		100
41	Social LSTM: Human Trajectory Prediction in Crowded Spaces. , 2016, , .		1,756
42	Towards Viewpoint Invariant 3D Human Pose Estimation. Lecture Notes in Computer Science, 2016, , 160-177.	1.0	87
43	Learning Social Etiquette: Human Trajectory Understanding In Crowded Scenes. Lecture Notes in Computer Science, 2016, , 549-565.	1.0	339
44	Knowledge Transfer for Scene-Specific Motion Prediction. Lecture Notes in Computer Science, 2016, , 697-713.	1.0	58
45	Perceptual Losses for Real-Time Style Transfer and Super-Resolution. Lecture Notes in Computer Science, 2016, , 694-711.	1.0	4,037
46	Learning to Track: Online Multi-object Tracking by Decision Making. , 2015, , .		443
47	RGB-W: When Vision Meets Wireless. , 2015, , .		37
48	SCOOP: A Real-Time Sparsity Driven People Localization Algorithm. Journal of Mathematical Imaging and Vision, 2014, 48, 160-175.	0.8	12
49	From Bits to Images: Inversion of Local Binary Descriptors. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 874-887.	9.7	21
50	Socially-Aware Large-Scale Crowd Forecasting. , 2014, , .		121
51	Robust real-time pedestrians detection in urban environments with low-resolution cameras. Transportation Research Part C: Emerging Technologies, 2014, 39, 113-128.	3.9	35
52	FREAK: Fast Retina Keypoint. , 2012, , .		1,134
53	Foreground silhouette extraction robust to sudden changes of background appearance. , 2012, , .		3
54	Sparsity Driven People Localization with a Heterogeneous Network of Cameras. Journal of Mathematical Imaging and Vision, 2011, 41, 39-58.	0.8	46

#	ARTICLE	IF	CITATIONS
55	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
56	Stream carving: An adaptive seam carving algorithm. , 2010, , .		34
57	Sparsity-driven people localization algorithm: Evaluation in crowded scenes environments. , 2009, , .		18
58	Sport players detection and tracking with a mixed network of planar and omnidirectional cameras. , 2009, , .		36
59	A sparsity constrained inverse problem to locate people in a network of cameras. , 2009, , .		10
60	Object detection and matching in a mixed network of fixed and mobile cameras. , 2008, , .		2
61	A master-slave approach for object detection and matching with fixed and mobile cameras. , 2008, , .		16