Simone Calderara

List of Publications by Year
in descending order

76 papers	2,853 citations	471061 17 h-index	395343 33 g-index
77 all docs	77 docs citations	77 times ranked	2707 citing authors

#	Article	IF	Citations
1	Warp and Learn: Novel Views Generation for Vehicles and Other Objects. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 2216-2227.	9.7	4
2	SeeFar: Vehicle Speed Estimation andÂFlow Analysis fromÂaÂMoving UAV. Lecture Notes in Computer Science, 2022, , 278-289.	1.0	2
3	Anomaly Detection, Localization and Classification for Railway Inspection. , 2021, , .		8
4	Face-from-Depth for Head Pose Estimation on Depth Images. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 596-609.	9.7	55
5	Predicting WNV Circulation in Italy Using Earth Observation Data and Extreme Gradient Boosting Model. Remote Sensing, 2020, 12, 3064.	1.8	11
6	Robust Re-Identification by Multiple Views Knowledge Distillation. Lecture Notes in Computer Science, 2020, , 93-110.	1.0	29
7	Anomaly Detection for Vision-Based Railway Inspection. Communications in Computer and Information Science, 2020, , 56-67.	0.4	8
8	Predicting the Driver's Focus of Attention: The DR(eye)VE Project. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1720-1733.	9.7	138
9	Can adversarial networks hallucinate occluded people with a plausible aspect?. Computer Vision and Image Understanding, 2019, 182, 71-80.	3.0	8
10	Gait-Based Diplegia Classification Using LSMT Networks. Journal of Healthcare Engineering, 2019, 2019, 1-8.	1.1	14
11	Attentive models in vision: Computing saliency maps in the deep learning era. Intelligenza Artificiale, 2019, 12, 161-175.	1.0	0
12	Self-Supervised Optical Flow Estimation by Projective Bootstrap. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3294-3302.	4.7	8
13	A Deep-learning-based approach to VM behavior Identification in Cloud Systems. , 2019, , .		5
14	Unsupervised Vehicle Re-identification Using Triplet Networks. , 2018, , .		28
15	Domain Translation with Conditional GANs: from Depth to RGB Face-to-Face. , 2018, , .		5
16	Multi-views Embedding for Cattle Re-identification. , 2018, , .		12
17	Learning to Detect and Track Visible and Occluded Body Joints in a Virtual World. Lecture Notes in Computer Science, 2018, , 450-466.	1.0	80
18	Tracking Social Groups Within and Across Cameras. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 441-453.	5.6	15

#	Article	IF	Citations
19	Learning where to attend like a human driver. , 2017, , .		24
20	Generative adversarial models for people attribute recognition in surveillance. , 2017, , .		18
21	From Groups to Leaders and Back. , 2017, , 161-182.		3
22	Attentive Models in Vision: Computing Saliency Maps in the Deep Learning Era. Lecture Notes in Computer Science, 2017, , 387-399.	1.0	1
23	Learning to Map Vehicles into Bird's Eye View. Lecture Notes in Computer Science, 2017, , 233-243.	1.0	20
24	Signal Processing and Machine Learning forÂDiplegia Classification. Lecture Notes in Computer Science, 2017, , 97-108.	1.0	1
25	DR(eye)VE: A Dataset for Attention-Based Tasks with Applications to Autonomous and Assisted Driving. , 2016, , .		66
26	Spotting prejudice with nonverbal behaviours. , 2016, , .		5
27	Socially Constrained Structural Learning for Groups Detection in Crowd. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 995-1008.	9.7	89
28	Transductive People Tracking in Unconstrained Surveillance. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 762-775.	5.6	10
29	Quick, Accurate, Smart: 3D Computer Vision Technology Helps Assessing Confined Animals' Behaviour. PLoS ONE, 2016, 11, e0158748.	1.1	31
30	Learning to Divide and Conquer for Online Multi-target Tracking. , 2015, , .		42
31	Learning to identify leaders in crowd. , 2015, , .		5
32	Towards the evaluation of reproducible robustness in tracking-by-detection. , 2015, , .		17
33	Understanding social relationships in egocentric vision. Pattern Recognition, 2015, 48, 4082-4096.	5.1	40
34	Active query process for digital video surveillance forensic applications. Signal, Image and Video Processing, 2015, 9, 749-759.	1.7	2
35	Head Pose Estimation in First-Person Camera Views. , 2014, , .		11
36	Kernelized Structural Classification for 3D Dogs Body Parts Detection. , 2014, , .		6

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37	From Ego to Nos-Vision: Detecting Social Relationships in First-Person Views. , 2014, , .		34
38	Visual Tracking: An Experimental Survey. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 1442-1468.	9.7	1,264
39	Detection of static groups and crowds gathered in open spaces by texture classification. Pattern Recognition Letters, 2014, 44, 39-48.	2.6	44
40	A complete system for garment segmentation and color classification. Machine Vision and Applications, 2014, 25, 955-969.	1.7	30
41	Pattern recognition and crowd analysis. Pattern Recognition Letters, 2014, 44, 1-2.	2.6	2
42	Structured learning for detection of social groups in crowd. , 2013, , .		36
43	Social Groups Detection in Crowd through Shape-Augmented Structured Learning. Lecture Notes in Computer Science, 2013, , 542-551.	1.0	2
44	Integrate tool for online analysis and offline mining of people trajectories. IET Computer Vision, 2012, 6, 334.	1.3	0
45	Understanding dyadic interactions applying proxemic theory on videosurveillance trajectories. , 2012, , .		5
46	Mixtures of von Mises Distributions for People Trajectory Shape Analysis. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 457-471.	5.6	48
47	Vision based smoke detection system using image energy and color information. Machine Vision and Applications, 2011, 22, 705-719.	1.7	82
48	Detecting anomalies in people's trajectories using spectral graph analysis. Computer Vision and Image Understanding, 2011, 115, 1099-1111.	3.0	70
49	Appearance tracking by transduction in surveillance scenarios. , 2011, , .		5
50	People appearance tracing in video by spectral graph transduction. , 2011, , .		1
51	Feature Space Warping Relevance Feedback with Transductive Learning. Lecture Notes in Computer Science, 2011, , 70-81.	1.0	1
52	Markerless body part tracking for action recognition. International Journal of Multimedia Intelligence and Security, 2010, 1, 76.	0.1	2
53	A videosurveillance data browsing software architecture for forensics. , 2010, , .		4
54	Alignment-Based Similarity of People Trajectories Using Semi-directional Statistics. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
55	People trajectory mining with statistical pattern recognition. , 2010, , .		2
56	Moving Pixels in Static Cameras: Detecting Dangerous Situations due to Environment or People. Studies in Computational Intelligence, 2010, , 1-28.	0.7	0
57	Learning People Trajectories Using Semi-directional Statistics. , 2009, , .		4
58	Video surveillance and multimedia forensics. , 2009, , .		6
59	Statistical Pattern Recognition for Multi-Camera Detection, Tracking, and Trajectory Analysis. , 2009, , 389-413.		1
60	HECOL: Homography and epipolar-based consistent labeling for outdoor park surveillance. Computer Vision and Image Understanding, 2008, 111, 21-42.	3.0	36
61	Reliable smoke detection in the domains of image energy and color. , 2008, , .		46
62	Bayesian-Competitive Consistent Labeling for People Surveillance. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 354-360.	9.7	52
63	A markerless approach for consistent action recognition in a multi-camera system. , 2008, , .		2
64	Action Signature: A Novel Holistic Representation for Action Recognition. , 2008, , .		12
65	Using circular statistics for trajectory shape analysis. , 2008, , .		28
66	Smoke detection in video surveillance. , 2008, , .		5
67	"Inside the bible". , 2008, , .		5
68	Smoke Detection in Video Surveillance: A MoG Model in the Wavelet Domain. , 2008, , 119-128.		37
69	A Distributed Outdoor Video Surveillance System for Detection of Abnormal People Trajectories. , 2007, , .		11
70	A Dynamic Programming Technique for Classifying Trajectories. , 2007, , .		8
71	Detection of abnormal behaviors using a mixture of Von Mises distributions. , 2007, , .		33
72	Reliable background suppression for complex scenes. , 2006, , .		52

#	Article	IF	Citations
73	Multimedia surveillance. , 2006, , .		25
74	Group Detection at Camera Handoff for Collecting People Appearance in Multi-camera Systems. , 2006, , .		3
75	Consistent Labeling for Multi-camera Object Tracking. Lecture Notes in Computer Science, 2005, , 1206-1214.	1.0	24
76	Entry edge of field of view for multi-camera tracking in distributed video surveillance. , 0, , .		10