Martin D Levine

List of Publications by Year
in descending order

38 papers	2,144 citations	471061 17 h-index	414034 32 g-index
39 all docs	39 docs citations	39 times ranked	1341 citing authors

#	Article	IF	Citations
1	Video anomaly detection and localization via Gaussian Mixture Fully Convolutional Variational Autoencoder. Computer Vision and Image Understanding, 2020, 195, 102920.	3.0	124
2	Early event detection based on dynamic images of surveillance videos. Journal of Visual Communication and Image Representation, 2018, 51, 70-75.	1.7	15
3	A deep neural network for real-time detection of falling humans in naturally occurring scenes. Neurocomputing, 2017, 260, 43-58.	3.5	75
4	Adaptive Metric Learning and Probe-Specific Reranking for Person Reidentification. IEEE Signal Processing Letters, 2017, 24, 853-857.	2.1	8
5	Multi-path Region-Based Convolutional Neural Network for Accurate Detection of Unconstrained "Hard Faces". , 2017, , .		6
6	Person reâ€identification by graphâ€based metric fusion. Electronics Letters, 2016, 52, 1447-1449.	0.5	1
7	Invasive ductal breast carcinoma detector that is robust to image magnification in whole digital slides. Journal of Medical Imaging, 2016, 3, 027501.	0.8	16
8	TRACKING WITHOUT APPEARANCE DESCRIPTORS. , 2016, , 239-254.		0
9	High-Stakes Deception Detection Based on Facial Expressions. , 2014, , .		13
10	An on-line, real-time learning method for detecting anomalies in videos using spatio-temporal compositions. Computer Vision and Image Understanding, 2013, 117, 1436-1452.	3.0	132
11	Human activity recognition in videos using a single example. Image and Vision Computing, 2013, 31, 864-876.	2.7	31
12	Online Dominant and Anomalous Behavior Detection in Videos. , 2013, , .		99
13	A Multi-Scale Hierarchical Codebook Method for Human Action Recognition in Videos Using a Single Example. , 2012, , .		8
14	Face recognition using localized features based on non-negative sparse coding. Machine Vision and Applications, 2007, 18, 107-122.	1.7	26
15	Three-dimensional view-invariant face recognition using a hierarchical pose-normalization strategy. Machine Vision and Applications, 2006, 17, 309-325.	1.7	3
16	Facial pose from 3D data. Image and Vision Computing, 2006, 24, 849-856.	2.7	12
17	Detecting and removing specularities in facial images. Computer Vision and Image Understanding, 2005, 100, 330-356.	3.0	7
18	Removing shadows. Pattern Recognition Letters, 2005, 26, 251-265.	2.6	74

#	Article	IF	Citations
19	Face Recognition Using the Discrete Cosine Transform. International Journal of Computer Vision, 2001, 43, 167-188.	10.9	346
20	SIGNAL-TO-SYMBOL MAPPING FOR LASER RANGEFINDERS. , 1999, , 387-424.		0
21	A Review of Biologically Motivated Space-Variant Data Reduction Models for Robotic Vision. Computer Vision and Image Understanding, 1998, 69, 170-184.	3.0	95
22	A Real-Time Foveated Sensor with Overlapping Receptive Fields. Real Time Imaging, 1997, 3, 195-212.	1.6	28
23	Real-Time Attention for Robotic Vision. Real Time Imaging, 1997, 3, 173-194.	1.6	44
24	An Active Foveated Vision System: Attentional Mechanisms and Scan Path Covergence Measures. Computer Vision and Image Understanding, 1996, 63, 50-65.	3.0	36
25	A Foveated Retina for Robotic Vision. , 1995, , 93-115.		3
26	Segmenting 3D objects into geons. Lecture Notes in Computer Science, 1995, , 320-334.	1.0	3
27	The background primal sketch: An approach for tracking moving objects. Machine Vision and Applications, 1992, 5, 17-34.	1.7	112
28	Part decomposition of objects from single view line drawings. CVGIP Image Understanding, 1992, 55, 73-83.	1.3	15
29	Multiple Resolution Skeletons. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1987, PAMI-9, 495-504.	9.7	72
30	Rule-based image segmentation: A dynamic control strategy approach. Computer Vision, Graphics, and Image Processing, 1985, 32, 104-126.	1.1	30
31	Dynamic Measurement of Computer Generated Image Segmentations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1985, PAMI-7, 155-164.	9.7	296
32	An optimal set of image segmentation rules. Pattern Recognition Letters, 1984, 2, 243-248.	2.6	11
33	Low Level Image Segmentation: An Expert System. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1984, PAMI-6, 555-577.	9.7	269
34	Understanding blood cell motion. Computer Vision, Graphics, and Image Processing, 1983, 21, 58-84.	1.1	12
35	Cell Tracking: A Modeling and Minimization Approach. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1982, PAMI-4, 277-291.	9.7	19
36	A Modular Computer Vision System for Picture Segmentation and Interpretation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1981, PAMI-3, 540-556.	9.7	81

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37	The Measurement of Total Lung Capacity Based on a Computer Analysis of Anterior and Lateral Radiographic Chest Images. IEEE Transactions on Biomedical Engineering, 1974, BME-21, 444-451.	2.5	14
38	Automated Measurement of the Internal Surface Area of the Human Lung. IEEE Transactions on Biomedical Engineering, 1970, BME-17, 254-262.	2.5	7