

Martin D Levine

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,144
citations

471371

17
h-index

414303

32
g-index

39
all docs

39
docs citations

39
times ranked

1341
citing authors

#	ARTICLE	IF	CITATIONS
1	Face Recognition Using the Discrete Cosine Transform. International Journal of Computer Vision, 2001, 43, 167-188.	10.9	346
2	Dynamic Measurement of Computer Generated Image Segmentations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1985, PAMI-7, 155-164.	9.7	296
3	Low Level Image Segmentation: An Expert System. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1984, PAMI-6, 555-577.	9.7	269
4	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
5	Video anomaly detection and localization via Gaussian Mixture Fully Convolutional Variational Autoencoder. Computer Vision and Image Understanding, 2020, 195, 102920.	3.0	124
6	The background primal sketch: An approach for tracking moving objects. Machine Vision and Applications, 1992, 5, 17-34.	1.7	112
7	Online Dominant and Anomalous Behavior Detection in Videos. , 2013, , .		99
8	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
9	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
10	A deep neural network for real-time detection of falling humans in naturally occurring scenes. Neurocomputing, 2017, 260, 43-58.	3.5	75
11	Removing shadows. Pattern Recognition Letters, 2005, 26, 251-265.	2.6	74
12	Multiple Resolution Skeletons. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1987, PAMI-9, 495-504.	9.7	72
13	Real-Time Attention for Robotic Vision. Real Time Imaging, 1997, 3, 173-194.	1.6	44
14	An Active Foveated Vision System: Attentional Mechanisms and Scan Path Coverage Measures. Computer Vision and Image Understanding, 1996, 63, 50-65.	3.0	36
15	Human activity recognition in videos using a single example. Image and Vision Computing, 2013, 31, 864-876.	2.7	31
16	Rule-based image segmentation: A dynamic control strategy approach. Computer Vision, Graphics, and Image Processing, 1985, 32, 104-126.	1.1	30
17	A Real-Time Foveated Sensor with Overlapping Receptive Fields. Real Time Imaging, 1997, 3, 195-212.	1.6	28
18	Face recognition using localized features based on non-negative sparse coding. Machine Vision and Applications, 2007, 18, 107-122.	1.7	26

#	ARTICLE	IF	CITATIONS
19	Cell Tracking: A Modeling and Minimization Approach. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1982, PAMI-4, 277-291.	9.7	19
20	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
21	Part decomposition of objects from single view line drawings. CVGIP Image Understanding, 1992, 55, 73-83.	1.3	15
22	Early event detection based on dynamic images of surveillance videos. Journal of Visual Communication and Image Representation, 2018, 51, 70-75.	1.7	15
23	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
24	High-Stakes Deception Detection Based on Facial Expressions. , 2014, , .		13
25	Understanding blood cell motion. Computer Vision, Graphics, and Image Processing, 1983, 21, 58-84.	1.1	12
26	Facial pose from 3D data. Image and Vision Computing, 2006, 24, 849-856.	2.7	12
27	An optimal set of image segmentation rules. Pattern Recognition Letters, 1984, 2, 243-248.	2.6	11
28	A Multi-Scale Hierarchical Codebook Method for Human Action Recognition in Videos Using a Single Example. , 2012, , .		8
29	Adaptive Metric Learning and Probe-Specific Reranking for Person Reidentification. IEEE Signal Processing Letters, 2017, 24, 853-857.	2.1	8
30	Automated Measurement of the Internal Surface Area of the Human Lung. IEEE Transactions on Biomedical Engineering, 1970, BME-17, 254-262.	2.5	7
31	Detecting and removing specularities in facial images. Computer Vision and Image Understanding, 2005, 100, 330-356.	3.0	7
32	Multi-path Region-Based Convolutional Neural Network for Accurate Detection of Unconstrained "Hard Faces". , 2017, , .		6
33	Three-dimensional view-invariant face recognition using a hierarchical pose-normalization strategy. Machine Vision and Applications, 2006, 17, 309-325.	1.7	3
34	A Foveated Retina for Robotic Vision. , 1995, , 93-115.		3
35	Segmenting 3D objects into geons. Lecture Notes in Computer Science, 1995, , 320-334.	1.0	3
36	Person reidentification by graph-based metric fusion. Electronics Letters, 2016, 52, 1447-1449.	0.5	1

#	ARTICLE	IF	CITATIONS
37	SIGNAL-TO-SYMBOL MAPPING FOR LASER RANGEFINDERS. , 1999, , 387-424.		0
38	TRACKING WITHOUT APPEARANCE DESCRIPTORS. , 2016, , 239-254.		0