

James W Davis

List of Publications by Year in descending order

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35
papers

1,612
citations

840776

11
h-index

888059

17
g-index

35
all docs

35
docs citations

35
times ranked

1180
citing authors

#	ARTICLE	IF	CITATIONS
1	Background-subtraction using contour-based fusion of thermal and visible imagery. <i>Computer Vision and Image Understanding</i> , 2007, 106, 162-182.	4.7	352
2	Motion segmentation and pose recognition with motion history gradients. <i>Machine Vision and Applications</i> , 2002, 13, 174-184.	2.7	245
3	A Two-Stage Template Approach to Person Detection in Thermal Imagery. , 2005, , .		229
4	The KidsRoom: A Perceptually-Based Interactive and Immersive Story Environment. <i>Presence: Teleoperators and Virtual Environments</i> , 1999, 8, 369-393.	0.6	220
5	Background-Subtraction in Thermal Imagery Using Contour Saliency. <i>International Journal of Computer Vision</i> , 2007, 71, 161-181.	15.6	87
6	Perceptual user interfaces: the KidsRoom. <i>Communications of the ACM</i> , 2000, 43, 60-61.	4.5	75
7	Minimal-latency human action recognition using reliable-inference. <i>Image and Vision Computing</i> , 2006, 24, 455-472.	4.5	51
8	Visual Categorization of Children and Adult Walking Styles. <i>Lecture Notes in Computer Science</i> , 2001, , 295-300.	1.3	48
9	Why direct LDA is not equivalent to LDA. <i>Pattern Recognition</i> , 2006, 39, 1002-1006.	8.1	40
10	An expressive three-mode principal components model for gender recognition. <i>Journal of Vision</i> , 2004, 4, 2-2.	0.3	36
11	An adaptive focus-of-attention model for video surveillance and monitoring. <i>Machine Vision and Applications</i> , 2007, 18, 41-64.	2.7	30
12	A recursive filter for linear systems on Riemannian manifolds. , 2008, , .		28
13	Integrating Appearance and Motion Cues for Simultaneous Detection and Segmentation of Pedestrians. , 2007, , .		26
14	Fusion of Multiple Camera Views for Kernel-Based 3D Tracking. , 2007, , .		19
15	An expressive three-mode principal components model of human action style. <i>Image and Vision Computing</i> , 2003, 21, 1001-1016.	4.5	18
16	Kernel-Based 3D Tracking. , 2007, , .		17
17	Steepest Descent For Efficient Covariance Tracking. , 2008, , .		12
18	A Fast Linear Registration Framework for Multi-camera GIS Coordination. , 2008, , .		9

#	ARTICLE	IF	CITATIONS
19	Recovery and Reasoning About Occlusions in 3D Using Few Cameras with Applications to 3D Tracking. International Journal of Computer Vision, 2011, 95, 240-264.	15.6	9
20	An Efficient Active Camera Model for Video Surveillance. , 2008, , .		6
21	3D occlusion recovery using few cameras. , 2008, , .		6
22	Feature-Level Fusion for Object Segmentation Using Mutual Information. , 2009, , 295-320.		6
23	Multiview fusion for canonical view generation based on homography constraints. , 2006, , .		5
24	Object association across PTZ cameras using logistic MIL. , 2011, , .		5
25	Learning Directed Intention-driven Activities using Co-Clustering. , 2010, , .		4
26	Extracting Pathlets From Weak Tracking Data. , 2010, , .		4
27	Detecting behavioral zones in local and global camera views. Machine Vision and Applications, 2013, 24, 579-605.	2.7	4
28	Summarizing high-level scene behavior. Machine Vision and Applications, 2014, 25, 229-244.	2.7	4
29	Simultaneous Detection and Segmentation of Pedestrians using Top-down and Bottom-up Processing. , 2007, , .		3
30	Extraction of Person Silhouettes from Surveillance Imagery using MRFs. Proceedings IEEE Workshop on Applications of Computer Vision, 2007, , .	0.0	3
31	A Context-Based Tracker Switching Framework. , 2008, , .		3
32	Using Ripley's K-function to improve graph-based clustering techniques. , 2011, , .		3
33	Temporally-Dependent Dirichlet Process Mixtures for Egocentric Video Segmentation. , 2014, , .		3
34	How panoramic visualization can support human supervision of intelligent surveillance. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 1136-1140.	0.3	1
35	Sampling Representative Examples for Dimensionality Reduction and Recognition – Bootstrap Bumping LDA. Lecture Notes in Computer Science, 2006, , 275-287.	1.3	1