David W Jacobs

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25 papers	2,233 citations	18 h-index	26 g-index
26 ext. papers	2,553 ext. citations	5.2 avg, IF	5.14 L-index

#	Paper	IF	Citations
25	Shape classification using the inner-distance. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2007**, 29, 286-99	13.3	763
24	Leafsnap: A Computer Vision System for Automatic Plant Species Identification. *Lecture Notes in Computer Science*, **2012**, 502-516	0.9	276
23	Stochastic completion fields; a neural model of illusory contour shape and salience. *Neural Computation*, **1997**, 9, 837-58	2.9	222
22	Bypassing synthesis: PLS for face recognition with pose, low-resolution and sketch **2011**,		220
21	Face Verification Across Age Progression Using Discriminative Methods. *IEEE Transactions on Information Forensics and Security*, **2010**, 5, 82-91	8	117
20	A Study of Face Recognition as People Age **2007**,		79
19	Linear Fitting with Missing Data for Structure-from-Motion. *Computer Vision and Image Understanding*, **2001**, 82, 57-81	4.3	68
18	Appearance characterization of linear Lambertian objects, generalized photometric stereo, and illumination-invariant face recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2007**, 29, 230-45	13.3	65
17	Robust pose invariant face recognition using coupled latent space discriminant analysis. *Computer Vision and Image Understanding*, **2012**, 116, 1095-1110	4.3	62
16	Searching the World's Herbaria: A System for Visual Identification of Plant Species. *Lecture Notes in Computer Science*, **2008**, 116-129	0.9	62
15	The role of convexity in perceptual completion: beyond good continuation. *Vision Research*, **1999**, 39, 4244-57	2.1	60
14	Local Parallel Computation of Stochastic Completion Fields. *Neural Computation*, **1997**, 9, 859-881	2.9	43
13	Using stereo matching with general epipolar geometry for 2D face recognition across pose. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2009**, 31, 2298-304	13.3	42
12	Matching 3-D Models to 2-D Images. *International Journal of Computer Vision*, **1997**, 21, 123-153	10.6	30
11	Wide-baseline stereo for face recognition with large pose variation **2011**,		20
10	Using Stereo Matching for 2-D Face Recognition Across Pose **2007**,		20
9	Efficient segmentation of leaves in semi-controlled conditions. *Machine Vision and Applications*, **2013**, 24, 1623-1643	2.8	19

8	A study of affine matching with bounded sensor error. *International Journal of Computer Vision*, **1994**, 13, 7-32	10.6	19
7	Seeing What is Not There: Learning Context to Determine Where Objects are Missing **2017**,		14
6	Characterization of Human Faces under Illumination Variations Using Rank, Integrability, and Symmetry Constraints. *Lecture Notes in Computer Science*, **2004**, 588-601	0.9	12
5	What makes viewpoint-invariant properties perceptually salient?. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2003**, 20, 1304-20	1.8	11
4	Sparse representation of cast shadows via ℓ1-regularized least squares **2009**,		4
3	Perceptual Organization as Generic Object Recognition. *Advances in Psychology*, **2001**, 130, 295-329		4
2	Trainable 3D recognition using stereo matching **2011**,		1
1	Perceptual Completion Behind Occluders: The Role of Convexity. *Kluwer International Series in Engineering and Computer Science*, **2000**, 73-90		