Ardeshir Goshtasby

List of Publications by Year
in descending order

24 papers	2,139 citations	430874 18 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	1642 citing authors

#	Article	IF	Citations
1	On the Canny edge detector. Pattern Recognition, 2001, 34, 721-725.	8.1	491
2	Image registration by local approximation methods. Image and Vision Computing, 1988, 6, 255-261.	4.5	252
3	Piecewise linear mapping functions for image registration. Pattern Recognition, 1986, 19, 459-466.	8.1	243
4	A Region-Based Approach to Digital Image Registration with Subpixel Accuracy. IEEE Transactions on Geoscience and Remote Sensing, 1986, GE-24, 390-399.	6.3	171
5	A comparative study of transformation functions for nonrigid image registration. IEEE Transactions on Image Processing, 2006, 15, 529-538.	9.8	161
6	Template Matching in Rotated Images. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1985, PAMI-7, 338-344.	13.9	115
7	Design of a single-lens stereo camera system. Pattern Recognition, 1993, 26, 923-937.	8.1	112
8	Description and Discrimination of Planar Shapes Using Shape Matrices. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1985, PAMI-7, 738-743.	13.9	106
9	Point pattern matching using convex hull edges. IEEE Transactions on Systems, Man, and Cybernetics, 1985, SMC-15, 631-637.	0.9	99
10	Piecewise cubic mapping functions for image registration. Pattern Recognition, 1987, 20, 525-533.	8.1	85
11	Design and recovery of 2-D and 3-D shapes using rational Gaussian curves and surfaces. International Journal of Computer Vision, 1993, 10, 233-256.	15.6	63
12	Correction of image deformation from lens distortion using bezier patches. Computer Vision, Graphics, and Image Processing, 1989, 47, 385-394.	1.0	42
13	Edge detection by curve fitting. Image and Vision Computing, 1995, 13, 169-177.	4.5	36
14	B-spline curves and surfaces viewed as digital filters. Computer Vision, Graphics, and Image Processing, 1990, 52, 264-275.	1.0	31
15	Geometric modelling using rational Gaussian curves and surfaces. CAD Computer Aided Design, 1995, 27, 363-375.	2.7	30
16	A paintbrush laser range scanner. Computer Vision and Image Understanding, 2006, 101, 65-86.	4.7	26
17	Surface fitting to scattered data by a sum of Gaussians. Computer Aided Geometric Design, 1993, 10, 143-156.	1.2	22
18	A parallel B-spline surface fitting algorithm. ACM Transactions on Graphics, 1988, 8, 41-50.	7.2	21

#	Article	IF	Citations
19	Contextual word recognition using probabilistic relaxation labeling. Pattern Recognition, 1988, 21, 455-462.	8.1	20
20	A range scanner with a virtual laser. Image and Vision Computing, 2003, 21, 271-284.	4.5	8
21	Recovering scene structures from scattered surface points. Pattern Recognition, 1993, 26, 1543-1547.	8.1	2
22	R-snakes. Image and Vision Computing, 2007, 25, 945-959.	4.5	2
23	Comments on ``Scale-Based Description and Recognition of Planar Curves and Two-Dimensional Shapes''. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1986, PAMI-8, 674-675.	13.9	1
24	Flow visualization for qualitative assessment of brain shift. , 2006, 6141, 655.		0