

Hans Jm Du Buf

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

697
citations

840776

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610901

24
g-index

36
all docs

36
docs citations

36
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Texture feature performance for image segmentation. Pattern Recognition, 1990, 23, 291-309.	8.1	188
2	N-folded symmetries by complex moments in Gabor space and their application to unsupervised texture segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1994, 16, 80-87.	13.9	125
3	Automatic Diatom Identification. Series in Machine Perception and Artificial Intelligence, 2002, , .	0.1	66
4	Some further results of experimental comparison of range image segmentation algorithms. , 0, , .		41
5	Multi-scale keypoints in V1 and beyond: Object segregation, scale selection, saliency maps and face detection. BioSystems, 2006, 86, 75-90.	2.0	35
6	Computer vision and GIS for the navigation of blind persons in buildings. Universal Access in the Information Society, 2015, 14, 67-80.	3.0	34
7	Realtime Local Navigation for the Blind: Detection of Lateral Doors and Sound Interface. Procedia Computer Science, 2012, 14, 74-82.	2.0	27
8	Indoor Localization and Navigation for Blind Persons using Visual Landmarks and a GIS. Procedia Computer Science, 2012, 14, 65-73.	2.0	27
9	Multi-scale lines and edges in V1 and beyond: Brightness, object categorization and recognition, and consciousness. BioSystems, 2009, 95, 206-226.	2.0	21
10	Abstract processes in texture discrimination. Spatial Vision, 1992, 6, 221-242.	1.4	17
11	A cortical framework for invariant object categorization and recognition. Cognitive Processing, 2009, 10, 243-261.	1.4	13
12	Improved grating and bar cell models in cortical area V1 and texture coding. Image and Vision Computing, 2007, 25, 873-882.	4.5	12
13	Luminance, Colour, Viewpoint and Border Enhanced Disparity Energy Model. PLoS ONE, 2015, 10, e0129908.	2.5	11
14	BIMP: A real-time biological model of multi-scale keypoint detection in V1. Neurocomputing, 2015, 150, 227-237.	5.9	11
15	Multi-scale Keypoints in V1 and Face Detection. Lecture Notes in Computer Science, 2005, , 205-214.	1.3	10
16	Human action recognition in videos with articulated pose information by deep networks. Pattern Analysis and Applications, 2019, 22, 1307-1318.	4.6	8
17	Multi-scale Cortical Keypoint Representation for Attention and Object Detection. Lecture Notes in Computer Science, 2005, , 255-262.	1.3	7
18	Fast interpolation, segmentation and visualization of 3D sonar seabottom data by using tree structures. , 0, , .		5

#	ARTICLE	IF	CITATIONS
19	Disparity energy model using a trained neuronal population. , 2011, , .		5
20	Diatom classification in ecological applications. Pattern Recognition, 2004, 37, 1283-1285.	8.1	4
21	Quadtree-Guided 3-D Interpolation of Irregular Sonar Data Sets. IEEE Journal of Oceanic Engineering, 2004, 29, 457-471.	3.8	4
22	Cortical 3D Face and Object Recognition Using 2D Projections. International Journal of Creative Interfaces and Computer Graphics, 2012, 3, 45-62.	0.1	4
23	BINK: Biological binary keypoint descriptor. BioSystems, 2017, 162, 147-156.	2.0	4
24	Volumetric processing of TOPAS underwater acoustic data. , 0, , .		3
25	Texture features for object salience. Image and Vision Computing, 2017, 67, 43-51.	4.5	3
26	Cortical Multiscale Line-Edge Disparity Model. Lecture Notes in Computer Science, 2012, , 296-303.	1.3	3
27	Sonar object visualization in an octree. , 0, , .		2
28	Diatom recognition by convex and concave contour curvature. , 0, , .		2
29	Proto-object categorisation and local gist vision using low-level spatial features. BioSystems, 2015, 135, 35-49.	2.0	2
30	The analysis of underwater acoustic data via 3-D segmentation. , 0, , .		0
31	Highlighting pipelines offshore Norway: visualization and quantitative analysis. , 0, , .		0
32	Interactively Visualizing 18-Connected Object Boundaries in Huge Data Volumes. Lecture Notes in Computer Science, 2003, , 544-553.	1.3	0
33	Small CPU times and fast interactivity in sonar seabottom surveys. , 0, , .		0
34	Polygon Optimisation for the Modelling of Planar Range Data. Lecture Notes in Computer Science, 2005, , 128-136.	1.3	0
35	Face and Object Recognition Using Biological Features and Few Views. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2014, , 58-77.	0.5	0