Longin Jan Latecki

List of Publications by Year
in descending order

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78 papers	3,614 citations	159585 30 h-index	189892 50 g-index
80 all docs	80 docs citations	80 times ranked	2480 citing authors

#	Article	IF	Citations
1	Entropy Minimization Versus Diversity Maximization for Domain Adaptation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2896-2907.	11.3	15
2	Learning Graph Convolutional Network for Blind Mesh Visual Quality Assessment. IEEE Access, 2021, 9, 108200-108211.	4.2	5
3	Efficient Rank-Based Diffusion Process with Assured Convergence. Journal of Imaging, 2021, 7, 49.	3.0	5
4	Leveraging Line-point Consistence to Preserve Structures for Wide Parallax Image Stitching. , 2021, , .		39
5	Learning adaptive contrast combinations for visual saliency detection. Multimedia Tools and Applications, 2020, 79, 14419-14447.	3.9	8
6	3D visual saliency and convolutional neural network for blind mesh quality assessment. Neural Computing and Applications, 2020, 32, 16589-16603.	5.6	13
7	No-reference mesh visual quality assessment via ensemble of convolutional neural networks and compact multi-linear pooling. Pattern Recognition, 2020, 100, 107174.	8.1	32
8	Combination Of Handcrafted And Deep Learning-Based Features For 3d Mesh Quality Assessment. , 2020, , .		1
9	AGLNet: Towards real-time semantic segmentation of self-driving images via attention-guided lightweight network. Applied Soft Computing Journal, 2020, 96, 106682.	7.2	73
10	DCM: A Dense-Attention Context Module For Semantic Segmentation. , 2020, , .		1
11	Multi-scale deep context convolutional neural networks for semantic segmentation. World Wide Web, 2019, 22, 555-570.	4.0	100
12	Scene Parsing Via Dense Recurrent Neural Networks With Attentional Selection. , 2019, , .		6
13	An open-source project for real-time image semantic segmentation. Science China Information Sciences, 2019, 62, 1.	4.3	27
14	Weakly supervised mitosis detection in breast histopathology images using concentric loss. Medical Image Analysis, 2019, 53, 165-178.	11.6	106
15	Mesh Visual Quality based on the combination of convolutional neural networks. , 2019, , .		0
16	Regularized Diffusion Process on Bidirectional Context for Object Retrieval. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1213-1226.	13.9	51
17	DeepMitosis: Mitosis detection via deep detection, verification and segmentation networks. Medical Image Analysis, 2018, 45, 121-133.	11.6	123
18	Face recognition via fast dense correspondence. Multimedia Tools and Applications, 2018, 77, 10501-10519.	3.9	8

#	Article	IF	Citations
19	Convolutional Neural Network for Blind Mesh Visual Quality Assessment Using 3D Visual Saliency. , 2018, , .		14
20	Dense Deconvolutional Network for Semantic Segmentation. , 2018, , .		5
21	GIFT: Towards Scalable 3D Shape Retrieval. IEEE Transactions on Multimedia, 2017, 19, 1257-1271.	7.2	66
22	Unsupervised object region proposals for RGB-D indoor scenes. Computer Vision and Image Understanding, 2017, 154, 127-136.	4.7	15
23	Enhanced Affinity Inference Based Recommender Systems. , 2016, , .		0
24	Multi-scale context for scene labeling via flexible segmentation graph. Pattern Recognition, 2016, 59, 312-324.	8.1	53
25	Similarity Fusion for Visual Tracking. International Journal of Computer Vision, 2016, 118, 337-363.	15.6	74
26	Affinity Inference with Application to Recommender Systems. , 2015, , .		2
27	Salient object detection via background contrast. , 2015, , .		3
28	ONLINE MULTIPLE TARGETS DETECTION AND TRACKING FROM MOBILE ROBOT IN CLUTTERED INDOOR ENVIRONMENTS WITH DEPTH CAMERA. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1455001.	1.2	17
29	3D object retrieval by 3D curve matching. , 2014, , .		4
30	Bag of contour fragments for robust shape classification. Pattern Recognition, 2014, 47, 2116-2125.	8.1	140
31	Robust object tracking based on RGB-D camera. , 2014, , .		0
32	Densifying Distance Spaces for Shape and Image Retrieval. Journal of Mathematical Imaging and Vision, 2013, 46, 12-28.	1.3	10
33	Skeleton pruning as trade-off between skeleton simplicity and reconstruction error. Science China Information Sciences, 2013, 56, 1-14.	4.3	30
34	Shape clustering: Common structure discovery. Pattern Recognition, 2013, 46, 539-550.	8.1	28
35	Fast Detection of Dense Subgraphs with Iterative Shrinking and Expansion. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 2131-2142.	13.9	37
36	Fan Shape Model for object detection. , 2012, , .		11

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37	Dense Neighborhoods on Affinity Graph. International Journal of Computer Vision, 2012, 98, 65-82.	15.6	32
38	Contour-based object detection as dominant set computation. Pattern Recognition, 2012, 45, 1927-1936.	8.1	44
39	Shape matching and classification using height functions. Pattern Recognition Letters, 2012, 33, 134-143.	4.2	191
40	Analysis of Facial Images across Age Progression by Humans. , 2012, 2012, 1-7.		5
41	Improving SVM classification on imbalanced time series data sets with ghost points. Knowledge and Information Systems, 2011, 28, 1-23.	3.2	48
42	Skeleton growing and pruning with bending potential ratio. Pattern Recognition, 2011, 44, 196-209.	8.1	82
43	Affinity learning on a tensor product graph with applications to shape and image retrieval. , 2011, , .		54
44	Particle filter with state permutations for solving image jigsaw puzzles. , 2011, 2011, 2873-2880.		30
45	Feature context for image classification and object detection. , 2011, , .		57
46	From partial shape matching through local deformation to robust global shape similarity for object detection. , 2011, , .		56
47	Contour based object detection using part bundles. Computer Vision and Image Understanding, 2010, 114, 827-834.	4.7	21
48	Shape guided contour grouping with particle filters. , 2009, 2009, 2288-2295.		18
49	Shape band: A deformable object detection approach. , 2009, , .		22
50	Locally constrained diffusion process on locally densified distance spaces with applications to shape retrieval. , 2009, , .		114
51	Piecewise Linear Models with Guaranteed Closeness to the Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1525-1531.	13.9	5
52	Improving SVM Classification on Imbalanced Data Sets in Distance Spaces. , 2009, , .		32
53	Locally constrained diffusion process on locally densified distance spaces with applications to shape retrieval. , 2009, , .		1
54	Shape band: A deformable object detection approach. , 2009, , .		0

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55	A Unified Curvature Definition for Regular, Polygonal, and Digital Planar Curves. International Journal of Computer Vision, 2008, 80, 104-124.	15.6	52
56	Topological Repairing of 3D Digital Images. Journal of Mathematical Imaging and Vision, 2008, 30, 249-274.	1.3	35
57	Detection and recognition of contour parts based on shape similarity. Pattern Recognition, 2008, 41, 2189-2199.	8.1	72
58	Path Similarity Skeleton Graph Matching. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1282-1292.	13.9	277
59	Topological Equivalence between a 3D Object and the Reconstruction of Its Digital Image. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 126-140.	13.9	52
60	Skeleton Pruning by Contour Partitioning with Discrete Curve Evolution. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 449-462.	13.9	357
61	Optimal Subsequence Bijection. , 2007, , .		30
62	An elastic partial shape matching technique. Pattern Recognition, 2007, 40, 3069-3080.	8.1	60
63	Multi robot mapping using force field simulation. Journal of Field Robotics, 2007, 24, 747-762.	6.0	8
64	Towards a Generalization of Self-localization. Springer Tracts in Advanced Robotics, 2007, , 105-134.	0.4	2
65	Optimal partial shape similarity. Image and Vision Computing, 2005, 23, 227-236.	4.5	50
66	Reliability of motion features in surveillance videos. Integrated Computer-Aided Engineering, 2005, 12, 279-290.	4.6	2
67	Data Visualization by Pairwise Distortion Minimization. Communications in Statistics - Theory and Methods, 2005, 34, 1379-1391.	1.0	0
68	Topologies for the digital spaces and. Computer Vision and Image Understanding, 2003, 90, 295-312.	4.7	42
69	Application of planar shape comparison to object retrieval in image databases. Pattern Recognition, 2002, 35, 15-29.	8.1	93
70	Well-composed sets. Advances in Imaging and Electron Physics, 2000, 112, 95-163.	0.2	9
71	Convexity Rule for Shape Decomposition Based on Discrete Contour Evolution. Computer Vision and Image Understanding, 1999, 73, 441-454.	4.7	311
72	Contour-Based Shape Similarity. Lecture Notes in Computer Science, 1999, , 617-625.	1.3	10

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73	Preserving Topology by a Digitization Process. Journal of Mathematical Imaging and Vision, 1998, 8, 131-159.	1.3	63
74	Supportedness and tameness differentialless geometry of plane curves. Pattern Recognition, 1998, 31, 607-622.	8.1	18
75	3D Well-Composed Pictures. Graphical Models, 1997, 59, 164-172.	1.3	67
76	Tracking motion objects in infrared videos. , 0, , .		7
77	Partial Elastic Matching of Time Series. , 0, , .		18
78	Extended EM for planar approximation of 3D data. , 0, , .		6