

Philippe Salembier Clairon

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

3,919
citations

236925

25
h-index

182427

51
g-index

106
all docs

106
docs citations

106
times ranked

1869
citing authors

#	ARTICLE	IF	CITATIONS
1	Antitextensive connected operators for image and sequence processing. IEEE Transactions on Image Processing, 1998, 7, 555-570.	9.8	487
2	Binary partition tree as an efficient representation for image processing, segmentation, and information retrieval. IEEE Transactions on Image Processing, 2000, 9, 561-576.	9.8	441
3	Flat zones filtering, connected operators, and filters by reconstruction. IEEE Transactions on Image Processing, 1995, 4, 1153-1160.	9.8	431
4	Hierarchical morphological segmentation for image sequence coding. IEEE Transactions on Image Processing, 1994, 3, 639-651.	9.8	180
5	Region-based representations of image and video: segmentation tools for multimedia services. IEEE Transactions on Circuits and Systems for Video Technology, 1999, 9, 1147-1169.	8.3	174
6	Morphological multiscale segmentation for image coding. Signal Processing, 1994, 38, 359-386.	3.7	140
7	Connected operators. IEEE Signal Processing Magazine, 2009, 26, 136-157.	5.6	138
8	MPEG-7 multimedia description schemes. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 748-759.	8.3	121
9	Edge Enhancement Algorithm Based on the Wavelet Transform for Automatic Edge Detection in SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 222-235.	6.3	114
10	<title>Connected operators and pyramids</title>. , 1993, , .		104
11	Morphological operators for image and video compression. IEEE Transactions on Image Processing, 1996, 5, 881-898.	9.8	96
12	Hyperspectral Image Representation and Processing With Binary Partition Trees. IEEE Transactions on Image Processing, 2013, 22, 1430-1443.	9.8	93
13	Filtering and Segmentation of Polarimetric SAR Data Based on Binary Partition Trees. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 593-605.	6.3	86
14	Binary Partition Trees for Object Detection. IEEE Transactions on Image Processing, 2008, 17, 2201-2216.	9.8	79
15	Extensive operators in partition lattices for image sequence analysis. Signal Processing, 1998, 66, 157-180.	3.7	72
16	Structuring element adaptation for morphological filters. Journal of Visual Communication and Image Representation, 1992, 3, 115-136.	2.8	68
17	Segmentation-based video coding system allowing the manipulation of objects. IEEE Transactions on Circuits and Systems for Video Technology, 1997, 7, 60-74.	8.3	68
18	Size-sensitive multiresolution decomposition of images with rank order based filters. Signal Processing, 1992, 27, 205-241.	3.7	65

#	ARTICLE	IF	CITATIONS
19	Adaptive rank order based filters. Signal Processing, 1992, 27, 1-25.	3.7	63
20	On the use of binary partition trees for the tree crown segmentation of tropical rainforest hyperspectral images. Remote Sensing of Environment, 2015, 159, 318-331.	11.0	54
21	<title>Morphological multiscale image segmentation</title>. Proceedings of SPIE, 1992, , .	0.8	53
22	NetBenchmark: a bioconductor package for reproducible benchmarks of gene regulatory network inference. BMC Bioinformatics, 2015, 16, 312.	2.6	41
23	Processing Multidimensional SAR and Hyperspectral Images With Binary Partition Tree. Proceedings of the IEEE, 2013, 101, 723-747.	21.3	40
24	3D morphological segmentation and motion estimation for image sequences. Signal Processing, 1994, 38, 31-43.	3.7	39
25	Ship Detection in SAR Images Based on Maxtree Representation and Graph Signal Processing. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2709-2724.	6.3	33
26	Monocular Depth Ordering Using T-Junctions and Convexity Occlusion Cues. IEEE Transactions on Image Processing, 2013, 22, 1926-1939.	9.8	31
27	MPEG-7 Systems: overview. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 760-764.	8.3	28
28	Hierarchical Video Representation with Trajectory Binary Partition Tree. , 2013, , .		27
29	Overview of the MPEG-7 Standard and of Future Challenges for Visual Information Analysis. Eurasip Journal on Advances in Signal Processing, 2002, 2002, 1.	1.7	26
30	Comparison of merging orders and pruning strategies for Binary Partition Tree in hyperspectral data. , 2010, , .		25
31	PolSAR Time Series Processing With Binary Partition Trees. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3553-3567.	6.3	25
32	Object recognition in hyperspectral images using Binary Partition Tree representation. Pattern Recognition Letters, 2015, 56, 45-51.	4.2	23
33	Coding-Oriented Segmentation of Video sequences. , 1996, , 79-123.		21
34	Morphological tools for segmentation : connected filters and watersheds. Annales Des Telecommunications/Annals of Telecommunications, 1997, 52, 367-379.	2.5	19
35	Exploiting T-junctions for depth segregation in single images. , 2009, , .		19
36	Bilateral Distance Based Filtering for Polarimetric SAR Data. Remote Sensing, 2013, 5, 5620-5641.	4.0	19

#	ARTICLE	IF	CITATIONS
37	Optimum Graph Cuts for Pruning Binary Partition Trees of Polarimetric SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5493-5502.	6.3	18
38	New hyperspectral data representation using binary partition tree. , 2010, , .		17
39	Study on nonlocal morphological operators. , 2009, , .		16
40	Description schemes for video programs, users and devices. Signal Processing: Image Communication, 2000, 16, 211-234.	3.2	15
41	Generalized Lifting Prediction Optimization Applied to Lossless Image Compression. IEEE Signal Processing Letters, 2007, 14, 695-698.	3.6	15
42	Coding of Partition Sequences. , 1996, , 125-169.		15
43	Filtering and segmentation of polarimetric SAR images with Binary Partition Trees. , 2010, , .		14
44	Occlusion-based depth ordering on monocular images with Binary Partition Tree. , 2011, , .		14
45	Hierarchical region-based representation for segmentation and filtering with depth in single images. , 2009, , .		13
46	Improved Binary Partition Tree construction for hyperspectral images: Application to object detection. , 2011, , .		13
47	Monocular Depth by Nonlinear Diffusion. , 2008, , .		12
48	Differential expression of long non-coding <scp>RNA</scp>s are related to proliferation and histological diversity in follicular lymphomas. British Journal of Haematology, 2019, 184, 373-383.	2.5	12
49	<title>Video sequence segmentation based on rate-distortion theory</title>. , 1996, , .		11
50	Hierarchical Analysis of Remote Sensing Data: Morphological Attribute Profiles and Binary Partition Trees. Lecture Notes in Computer Science, 2011, , 306-319.	1.3	11
51	<title>Motion analysis of image sequences using connected operators</title>. , 1997, 3024, 546.		10
52	Visual segment tree creation for MPEG-7 Description Schemes. Pattern Recognition, 2002, 35, 563-579.	8.1	10
53	<title>Generalized connected operators</title>. , 1996, , .		9
54	Distance-Based Measures of Association with Applications in Relating Hyperspectral Images. Communications in Statistics - Theory and Methods, 2012, 41, 2342-2355.	1.0	9

#	ARTICLE	IF	CITATIONS
55	<title>Adaptive morphological multiresolution decomposition</title>. , 1991, 1568, 26.		7
56	Object recognition in urban hyperspectral images using Binary Partition Tree representation. , 2013, , .		7
57	Precision-Recall-Classification Evaluation Framework: Application to Depth Estimation on Single Images. Lecture Notes in Computer Science, 2014, , 648-662.	1.3	7
58	On the use of indexing metadata to improve the efficiency of video compression. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 410-419.	8.3	6
59	Hyperspectral image segmentation using Binary Partition Trees. , 2011, , .		6
60	GENE EXPRESSION DATA CLASSIFICATION COMBINING HIERARCHICAL REPRESENTATION AND EFFICIENT FEATURE SELECTION. Journal of Biological Systems, 2012, 20, 349-375.	1.4	6
61	Connected operators based on region-trees. , 2008, , .		5
62	Feature set enhancement via hierarchical clustering for microarray classification. , 2011, , .		5
63	Binary partition tree as a polarimetric SAR data representation in the space-time domain. , 2011, , .		5
64	From local occlusion cues to global monocular depth estimation. , 2012, , .		5
65	Low-level processing of PolSAR images with binary partition trees. , 2014, , .		5
66	Region-Based Filtering of Images and Video Sequences. , 2001, , 249-288.		5
67	Connected operators based on reconstruction process for size and motion simplification. , 2002, , .		4
68	Connected Operators Based on Region-Tree Pruning. , 2002, , 169-178.		4
69	Automatic Extraction and Analysis of Visual Objects Information. , 2005, , 203-221.		4
70	Study of Binary Partition Tree Pruning Techniques for Polarimetric SAR Images. Lecture Notes in Computer Science, 2015, , 51-62.	1.3	4
71	Real-Time Detection of Overloads on the Plasma-Facing Components of Wendelstein 7-X. Applied Sciences (Switzerland), 2021, 11, 11969.	2.5	4
72	<title>Motion-compensated partition coding</title>. , 1996, , .		3

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73	General requirements for coding oriented segmentation of video-sequences. Annales Des Telecommunications/Annals of Telecommunications, 1997, 52, 359-366.	2.5	3
74	Quadratic Interpolation and Linear Lifting Design. Eurasip Journal on Image and Video Processing, 2007, 2007, 1-11.	2.6	3
75	Modeling of contours in wavelet domain for generalized lifting image compression. , 2009, , .		3
76	Temporal PolSAR image series exploitation with binary partition trees. , 2012, , .		3
77	Depth ordering on image sequences using motion occlusions. , 2012, , .		3
78	Geometrical image filtering with connected operators and image inpainting. , 2007, , .		2
79	Long Term Selection of Reference Frame Sub-Blocks using MPEG-7 Indexing Metadata. , 2007, , .		2
80	Image compression with Generalized Lifting and partial knowledge of the signal pdf. , 2008, , .		2
81	Generalized Lifting with adaptive local pdf estimation for image coding. , 2009, , .		2
82	Variable local weight filtering for PolSAR data speckle noise reduction. , 2012, , .		2
83	Study of Normalization and Aggregation Approaches for Consensus Network Estimation. , 2015, , .		2
84	Mode Dependent Vector Quantization with a rate-distortion optimized codebook for residue coding in video compression. , 2015, , .		2
85	2.1 Depth Estimation of Frames in Image Sequences Using Motion Occlusions. Lecture Notes in Computer Science, 2012, , 516-525.	1.3	2
86	<title>Image coding for storage and transmission based on morphological segmentation</title>. , 1993, , .		1
87	Structure description tools. Journal of the Association for Information Science and Technology, 2007, 58, 1329-1337.	2.6	1
88	Multiclass cancer-microarray classification algorithm with pair-against-all redundancy. , 2012, , .		1
89	Hierarchical clustering combining numerical and biological similarities for gene expression data classification. , 2013, 2013, 584-7.		1
90	Depth order estimation for video frames using motion occlusions. IET Computer Vision, 2014, 8, 152-160.	2.0	1

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91	Unsupervised GRN Ensemble. Methods in Molecular Biology, 2019, 1883, 283-302.	0.9	1
92	<title>Surface defect detection using adaptive image modeling</title>. , 1990, 1360, 1246.		0
93	<title>Self-referred texture coding for segmentation-based codec</title>. , 1994, , .		0
94	Segmentation of video sequences for partition tree generation. Annales Des Telecommunications/Annals of Telecommunications, 1997, 52, 388-396.	2.5	0
95	Adaptive Quadratic Interpolation Methods for Lifting Steps Construction. , 2006, , .		0
96	Comparison of MPEG-7 descriptors for long term selection of reference frames. , 2009, , .		0
97	Improved local pdf estimation in the wavelet domain for Generalized Lifting. , 2010, , .		0
98	Microarray classification with hierarchical data representation and novel feature selection criteria. , 2012, , .		0
99	Introduction to the ICME 2011 Special Issue. IEEE Transactions on Multimedia, 2012, 14, 497-499.	7.2	0
100	Ensemble learning and hierarchical data representation for microarray classification. , 2013, , .		0
101	Neighborhood Filters and the Recovery of 3D Information. , 2014, , 1-27.		0
102	Multidimensional SAR data analysis based on binary partition trees and the covariance matrix geometry. , 2014, , .		0
103	Connected Operators for Signal and Image Processing. Lecture Notes in Computer Science, 2006, , 37-65.	1.3	0
104	Neighborhood Filters and the Recovery of 3D Information. , 2011, , 1203-1229.		0