

Philippe Salembier Clairon

List of Publications by Year in descending order

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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	Real-Time Detection of Overloads on the Plasma-Facing Components of Wendelstein 7-X. Applied Sciences (Switzerland), 2021, 11, 11969.	2.5	4
2	Unsupervised GRN Ensemble. Methods in Molecular Biology, 2019, 1883, 283-302.	0.9	1
3	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
4	Differential expression of long non-coding RNAs are related to proliferation and histological diversity in follicular lymphomas. British Journal of Haematology, 2019, 184, 373-383.	2.5	12
5	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
6	NetBenchmark: a bioconductor package for reproducible benchmarks of gene regulatory network inference. BMC Bioinformatics, 2015, 16, 312.	2.6	41
7	Study of Normalization and Aggregation Approaches for Consensus Network Estimation. , 2015, , .		2
8	Object recognition in hyperspectral images using Binary Partition Tree representation. Pattern Recognition Letters, 2015, 56, 45-51.	4.2	23
9	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
10	Mode Dependent Vector Quantization with a rate-distortion optimized codebook for residue coding in video compression. , 2015, , .		2
11	Study of Binary Partition Tree Pruning Techniques for Polarimetric SAR Images. Lecture Notes in Computer Science, 2015, , 51-62.	1.3	4
12	Neighborhood Filters and the Recovery of 3D Information. , 2014, , 1-27.		0
13	Low-level processing of PolSAR images with binary partition trees. , 2014, , .		5
14	Multidimensional SAR data analysis based on binary partition trees and the covariance matrix geometry. , 2014, , .		0
15	Precision-Recall-Classification Evaluation Framework: Application to Depth Estimation on Single Images. Lecture Notes in Computer Science, 2014, , 648-662.	1.3	7
16	PolSAR Time Series Processing With Binary Partition Trees. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3553-3567.	6.3	25
17	Depth order estimation for video frames using motion occlusions. IET Computer Vision, 2014, 8, 152-160.	2.0	1
18	Ensemble learning and hierarchical data representation for microarray classification. , 2013, , .		0

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19	Hierarchical Video Representation with Trajectory Binary Partition Tree. , 2013, , .		27
20	Hyperspectral Image Representation and Processing With Binary Partition Trees. IEEE Transactions on Image Processing, 2013, 22, 1430-1443.	9.8	93
21	Monocular Depth Ordering Using T-Junctions and Convexity Occlusion Cues. IEEE Transactions on Image Processing, 2013, 22, 1926-1939.	9.8	31
22	Processing Multidimensional SAR and Hyperspectral Images With Binary Partition Tree. Proceedings of the IEEE, 2013, 101, 723-747.	21.3	40
23	Object recognition in urban hyperspectral images using Binary Partition Tree representation. , 2013, , .		7
24	Hierarchical clustering combining numerical and biological similarities for gene expression data classification. , 2013, 2013, 584-7.		1
25	Bilateral Distance Based Filtering for Polarimetric SAR Data. Remote Sensing, 2013, 5, 5620-5641.	4.0	19
26	From local occlusion cues to global monocular depth estimation. , 2012, , .		5
27	Multiclass cancer-microarray classification algorithm with pair-against-all redundancy. , 2012, , .		1
28	Temporal PolSAR image series exploitation with binary partition trees. , 2012, , .		3
29	GENE EXPRESSION DATA CLASSIFICATION COMBINING HIERARCHICAL REPRESENTATION AND EFFICIENT FEATURE SELECTION. Journal of Biological Systems, 2012, 20, 349-375.	1.4	6
30	Microarray classification with hierarchical data representation and novel feature selection criteria. , 2012, , .		0
31	Distance-Based Measures of Association with Applications in Relating Hyperspectral Images. Communications in Statistics - Theory and Methods, 2012, 41, 2342-2355.	1.0	9
32	Depth ordering on image sequences using motion occlusions. , 2012, , .		3
33	Variable local weight filtering for PolSAR data speckle noise reduction. , 2012, , .		2
34	Introduction to the ICME 2011 Special Issue. IEEE Transactions on Multimedia, 2012, 14, 497-499.	7.2	0
35	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
36	2.1 Depth Estimation of Frames in Image Sequences Using Motion Occlusions. Lecture Notes in Computer Science, 2012, , 516-525.	1.3	2

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37	Feature set enhancement via hierarchical clustering for microarray classification. , 2011, , .		5
38	Improved Binary Partition Tree construction for hyperspectral images: Application to object detection. , 2011, , .		13
39	Occlusion-based depth ordering on monocular images with Binary Partition Tree. , 2011, , .		14
40	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
41	Hyperspectral image segmentation using Binary Partition Trees. , 2011, , .		6
42	Binary partition tree as a polarimetric SAR data representation in the space-time domain. , 2011, , .		5
43	Hierarchical Analysis of Remote Sensing Data: Morphological Attribute Profiles and Binary Partition Trees. Lecture Notes in Computer Science, 2011, , 306-319.	1.3	11
44	Neighborhood Filters and the Recovery of 3D Information. , 2011, , 1203-1229.		0
45	Filtering and segmentation of polarimetric SAR images with Binary Partition Trees. , 2010, , .		14
46	New hyperspectral data representation using binary partition tree. , 2010, , .		17
47	Improved local pdf estimation in the wavelet domain for Generalized Lifting. , 2010, , .		0
48	Comparison of merging orders and pruning strategies for Binary Partition Tree in hyperspectral data. , 2010, , .		25
49	Comparison of MPEG-7 descriptors for long term selection of reference frames. , 2009, , .		0
50	Hierarchical region-based representation for segmentation and filtering with depth in single images. , 2009, , .		13
51	Study on nonlocal morphological operators. , 2009, , .		16
52	Connected operators. IEEE Signal Processing Magazine, 2009, 26, 136-157.	5.6	138
53	Generalized Lifting with adaptive local pdf estimation for image coding. , 2009, , .		2
54	Exploiting T-junctions for depth segregation in single images. , 2009, , .		19

#	ARTICLE	IF	CITATIONS
55	Modeling of contours in wavelet domain for generalized lifting image compression. , 2009, , .		3
56	Connected operators based on region-trees. , 2008, , .		5
57	Binary Partition Trees for Object Detection. IEEE Transactions on Image Processing, 2008, 17, 2201-2216.	9.8	79
58	Monocular Depth by Nonlinear Diffusion. , 2008, , .		12
59	Image compression with Generalized Lifting and partial knowledge of the signal pdf. , 2008, , .		2
60	Geometrical image filtering with connected operators and image inpainting. , 2007, , .		2
61	Quadratic Interpolation and Linear Lifting Design. Eurasip Journal on Image and Video Processing, 2007, 2007, 1-11.	2.6	3
62	Long Term Selection of Reference Frame Sub-Blocks using MPEG-7 Indexing Metadata. , 2007, , .		2
63	Generalized Lifting Prediction Optimization Applied to Lossless Image Compression. IEEE Signal Processing Letters, 2007, 14, 695-698.	3.6	15
64	Structure description tools. Journal of the Association for Information Science and Technology, 2007, 58, 1329-1337.	2.6	1
65	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
66	Adaptive Quadratic Interpolation Methods for Lifting Steps Construction. , 2006, , .		0
67	Connected Operators for Signal and Image Processing. Lecture Notes in Computer Science, 2006, , 37-65.	1.3	0
68	Automatic Extraction and Analysis of Visual Objects Information. , 2005, , 203-221.		4
69	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
70	Connected operators based on reconstruction process for size and motion simplification. , 2002, , .		4
71	Connected Operators Based on Region-Tree Pruning. , 2002, , 169-178.		4
72	Visual segment tree creation for MPEG-7 Description Schemes. Pattern Recognition, 2002, 35, 563-579.	8.1	10

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73	MPEG-7 Systems: overview. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 760-764.	8.3	28
74	MPEG-7 multimedia description schemes. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 748-759.	8.3	121
75	Region-Based Filtering of Images and Video Sequences. , 2001, , 249-288.		5
76	Description schemes for video programs, users and devices. Signal Processing: Image Communication, 2000, 16, 211-234.	3.2	15
77	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
78	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
79	Extensive operators in partition lattices for image sequence analysis. Signal Processing, 1998, 66, 157-180.	3.7	72
80	Antiextensive connected operators for image and sequence processing. IEEE Transactions on Image Processing, 1998, 7, 555-570.	9.8	487
81	<title>Motion analysis of image sequences using connected operators</title>. , 1997, 3024, 546.		10
82	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
83	General requirements for coding oriented segmentation of video-sequences. Annales Des Telecommunications/Annals of Telecommunications, 1997, 52, 359-366.	2.5	3
84	Morphological tools for segmentation : connected filters and watersheds. Annales Des Telecommunications/Annals of Telecommunications, 1997, 52, 367-379.	2.5	19
85	Segmentation of video sequences for partition tree generation. Annales Des Telecommunications/Annals of Telecommunications, 1997, 52, 388-396.	2.5	0
86	Morphological operators for image and video compression. IEEE Transactions on Image Processing, 1996, 5, 881-898.	9.8	96
87	<title>Motion-compensated partition coding</title>. , 1996, , .		3
88	<title>Video sequence segmentation based on rate-distortion theory</title>. , 1996, , .		11
89	<title>Generalized connected operators</title>. , 1996, , .		9
90	Coding-Oriented Segmentation of Video sequences. , 1996, , 79-123.		21

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91	Coding of Partition Sequences. , 1996, , 125-169.		15
92	Flat zones filtering, connected operators, and filters by reconstruction. IEEE Transactions on Image Processing, 1995, 4, 1153-1160.	9.8	431
93	Hierarchical morphological segmentation for image sequence coding. IEEE Transactions on Image Processing, 1994, 3, 639-651.	9.8	180
94	3D morphological segmentation and motion estimation for image sequences. Signal Processing, 1994, 38, 31-43.	3.7	39
95	Morphological multiscale segmentation for image coding. Signal Processing, 1994, 38, 359-386.	3.7	140
96	<title>Self-referred texture coding for segmentation-based codec</title>. , 1994, , .		0
97	<title>Connected operators and pyramids</title>. , 1993, , .		104
98	<title>Image coding for storage and transmission based on morphological segmentation</title>. , 1993, , .		1
99	<title>Morphological multiscale image segmentation</title>. Proceedings of SPIE, 1992, , .	0.8	53
100	Structuring element adaptation for morphological filters. Journal of Visual Communication and Image Representation, 1992, 3, 115-136.	2.8	68
101	Size-sensitive multiresolution decomposition of images with rank order based filters. Signal Processing, 1992, 27, 205-241.	3.7	65
102	Adaptive rank order based filters. Signal Processing, 1992, 27, 1-25.	3.7	63
103	<title>Adaptive morphological multiresolution decomposition</title>. , 1991, 1568, 26.		7
104	<title>Surface defect detection using adaptive image modeling</title>. , 1990, 1360, 1246.		0