

Thierry Pun

List of Publications by Year in descending order

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64
papers

3,899
citations

331538

21
h-index

243529

44
g-index

66
all docs

66
docs citations

66
times ranked

2474
citing authors

#	ARTICLE	IF	CITATIONS
1	Rotation, scale and translation invariant spread spectrum digital image watermarking. Signal Processing, 1998, 66, 303-317.	2.1	665
2	Multimodal Emotion Recognition in Response to Videos. IEEE Transactions on Affective Computing, 2012, 3, 211-223.	5.7	496
3	Performance evaluation in content-based image retrieval: overview and proposals. Pattern Recognition Letters, 2001, 22, 593-601.	2.6	431
4	Short-term emotion assessment in a recall paradigm. International Journal of Human Computer Studies, 2009, 67, 607-627.	3.7	297
5	Content-based query of image databases: inspirations from text retrieval. Pattern Recognition Letters, 2000, 21, 1193-1198.	2.6	130
6	Second Generation Benchmarking and Application Oriented Evaluation. Lecture Notes in Computer Science, 2001, , 340-353.	1.0	128
7	The Truth about Corel - Evaluation in Image Retrieval. Lecture Notes in Computer Science, 2002, , 38-49.	1.0	100
8	<title>Robust 3D DFT video watermarking</title>. , 1999, , .		98
9	Valence-arousal evaluation using physiological signals in an emotion recall paradigm. , 2007, , .		76
10	Affective Characterization of Movie Scenes Based on Multimedia Content Analysis and User's Physiological Emotional Responses. , 2008, , .		69
11	Secure Copyright Protection Techniques for Digital Images. Lecture Notes in Computer Science, 1998, , 169-190.	1.0	64
12	Affective ranking of movie scenes using physiological signals and content analysis. , 2008, , .		64
13	A Comparative Survey of Methods for Remote Heart Rate Detection From Frontal Face Videos. Frontiers in Bioengineering and Biotechnology, 2018, 6, 33.	2.0	64
14	Multilevel 2-D Bar Codes: Toward High-Capacity Storage Modules for Multimedia Security and Management. IEEE Transactions on Information Forensics and Security, 2006, 1, 405-420.	4.5	59
15	EEG-Based Synchronized Brain-Computer Interfaces: A Model for Optimizing the Number of Mental Tasks. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2007, 15, 50-58.	2.7	59
16	Toolbox for Emotional feAture extraction from Physiological signals (TEAP). Frontiers in ICT, 2017, 4, .	3.6	54
17	A Bayesian framework for video affective representation. , 2009, , .		51
18	Continuous emotion detection in response to music videos. , 2011, , .		50

#	ARTICLE	IF	CITATIONS
19	Fast Robust Template Matching for Affine Resistant Image Watermarks. Lecture Notes in Computer Science, 2000, , 199-210.	1.0	50
20	AFFECTIVE CHARACTERIZATION OF MOVIE SCENES BASED ON CONTENT ANALYSIS AND PHYSIOLOGICAL CHANGES. International Journal of Semantic Computing, 2009, 03, 235-254.	0.4	49
21	<title>Method for the estimation and recovering from general affine transforms in digital watermarking applications</title>. , 2002, 4675, 313.		46
22	Learning from User Behavior in Image Retrieval: Application of Market Basket Analysis. International Journal of Computer Vision, 2004, 56, 65-77.	10.9	44
23	Brain-computer interaction research at the computer vision and multimedia laboratory, University of Geneva. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2006, 14, 210-213.	2.7	44
24	Queries and tags in affect-based multimedia retrieval. , 2009, , .		34
25	Recognizing induced emotions of movie audiences: Are induced and perceived emotions the same?. , 2017, , .		32
26	Image analysis and computer vision in medicine. Computerized Medical Imaging and Graphics, 1994, 18, 85-96.	3.5	29
27	An iterative template matching algorithm using the Chirp-Z transform for digital image watermarking. Pattern Recognition, 2000, 33, 173-175.	5.1	27
28	Transforming 3D Coloured Pixels into Musical Instrument Notes for Vision Substitution Applications. Eurasip Journal on Image and Video Processing, 2007, 2007, 1-14.	1.7	24
29	<title>Optimal adaptive diversity watermarking with channel state estimation</title>. , 2001, , .		23
30	Information-theoretic temporal segmentation of video and applications: multiscale keyframes selection and shot boundaries detection. Multimedia Tools and Applications, 2006, 30, 273-288.	2.6	23
31	<title>Secure robust digital watermarking using the lapped orthogonal transform</title>. , 1999, 3657, 21.		22
32	Image and Video Processing for Visually Handicapped People. Eurasip Journal on Image and Video Processing, 2007, 2007, 1-12.	1.7	20
33	Weighted least squares estimation of background in EELS imaging. Journal of Microscopy, 1985, 137, 93-100.	0.8	19
34	<title>Countermeasures for unintentional and intentional video watermarking attacks</title>. , 2000, , .		19
35	A Bayesian Approach to Affine Transformation Resistant Image and Video Watermarking. Lecture Notes in Computer Science, 2000, , 270-285.	1.0	19
36	Optimized acquisition parameters and statistical detection limit in quantitative EELS. Journal of Microscopy, 1984, 135, 295-316.	0.8	17

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37	<title>Efficient access methods for content-based image retrieval with inverted files</title>. , 1999, , .		17
38	A Comparison of Three Nonvisual Methods for Presenting Scientific Graphs. Journal of Visual Impairment and Blindness, 2002, 96, 420-428.	0.4	15
39	A collaborative personalized affective video retrieval system. , 2009, , .		15
40	Asynchrony in image analysis: using the luminance-to-response-latency relationship to improve segmentation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1994, 11, 1720.	0.8	14
41	Statistical structuring of pictorial databases for content-based image retrieval systems. Pattern Recognition Letters, 1996, 17, 1299-1310.	2.6	14
42	Toward local and global perception modules for vision substitution. Neurocomputing, 2011, 74, 1182-1190.	3.5	13
43	Colour displays and look-up tables: Real time modification of digital images. Computerized Medical Imaging and Graphics, 1991, 15, 73-84.	3.5	11
44	Asynchronous Perceptual Grouping: From Contours to Relevant 2-D Structures. Computer Vision and Image Understanding, 1997, 66, 1-24.	3.0	11
45	Relationships between Image Synthesis and Analysis Towards Unification?. Computer Graphics Forum, 1990, 9, 149-163.	1.8	9
46	See CoLoR: an extended sensory substitution device for the visually impaired. Journal of Assistive Technologies, 2014, 8, 77-94.	0.9	9
47	Computer automated lanes detection and profiles evaluation of one-dimensional gel electrophoretic autoradiograms. Electrophoresis, 1985, 6, 268-274.	1.3	8
48	<title>Probabilistic approach to 3-D inference of geons from a 2-D view</title>. , 1992, , .		8
49	<title>Hunting moving targets: extension to Bayesian methods in multimedia databases</title>. , 1999, , .		8
50	Multiple users' emotion recognition: Improving performance by joint modeling of affective reactions. , 2017, , .		7
51	LaboImage: a workstation environment for research in image processing and analysis. Bioinformatics, 1991, 7, 225-232.	1.8	6
52	<title>Interactive segmentation with hidden object-based annotations: toward smart media</title>. , 2003, , .		6
53	Best of affective computing and intelligent interaction 2013 in multimodal interactions. Journal on Multimodal User Interfaces, 2015, 9, 1-2.	2.0	6
54	<title>LaboImage: portable window-based environment for research in image processing and analysis</title>. , 1992, , .		5

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55	Application of simulated poisson statistical processes to stem imaging. Signal Processing, 1985, 8, 51-62.	2.1	4
56	Projective and illumination invariant representation of disjoint shapes. Lecture Notes in Computer Science, 1998, , 264-280.	1.0	4
57	Soft/hard focalization in the EEG inverse problem. , 2005, , .		3
58	Temporal precedence in asynchronous visual indexing. Lecture Notes in Computer Science, 1993, , 468-475.	1.0	3
59	Towards geometrically robust data-hiding with structured codebooks. Multimedia Systems, 2005, 11, 121-132.	3.0	2
60	Simultaneous exploitation of explicit and implicit tags in affect-based multimedia retrieval. , 2009, , .		2
61	Metadata Representation for Semantic-Based Multimedia Security and Management. Lecture Notes in Computer Science, 2003, , 769-778.	1.0	2
62	Evaluating image browsers using structured annotation. Journal of the Association for Information Science and Technology, 2001, 52, 961-968.	2.6	1
63	LABOIMAGE: AN EXPERIMENTAL WINDOW-BASED ENVIRONMENT FOR TEACHING AND RESEARCH IN IMAGE ANALYSIS. Series in Machine Perception and Artificial Intelligence, 1994, , 89-106.	0.1	1
64	Real-Time Image Registration of RGB Webcams and Colorless 3D Time-of-Flight Cameras. Lecture Notes in Computer Science, 2012, , 589-592.	1.0	0