

Thrasyvoulos N Pappas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

1,652
citations

21
h-index

39
g-index

100
ext. papers

1,958
ext. citations

5.8
avg, IF

4.39
L-index

#	Paper	IF	Citations
80	Human Skin Gloss Perception Based on Texture Statistics. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 3610-3622	8.7	0
79	Hierarchical Lossy Bilevel Image Compression Based on Cutset Sampling. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 1527-1541	8.7	2
78	MAP Interpolation of an Ising Image Block. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 237-256	0.4	
77	Structural Texture Similarity for Material Recognition 2019 ,		2
76	Assessing gloss perception of human facial skin across subject. <i>IS&T International Symposium on Electronic Imaging</i> , 2018 , 2018, 1-6	1	
75	Determining the Influence of Image-based Cues on Human Skin Gloss Perception. <i>IS&T International Symposium on Electronic Imaging</i> , 2017 , 2017, 195-202	1	1
74	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 2432-2445	6.6	6
73	Effective and efficient subjective testing of texture similarity metrics. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015 , 32, 329-42	1.8	6
72	Lossy cutset coding of bilevel images based on Markov random fields. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 1652-65	8.7	7
71	Subjective similarity evaluation for scenic bilevel images 2014 ,		3
70	An adaptive lighting correction method for matched-texture coding 2014 ,		4
69	2014 ,		3
68	Image Analysis: Focus on Texture Similarity. <i>Proceedings of the IEEE</i> , 2013 , 101, 2044-2057	14.3	18
67	Structural texture similarity metrics for image analysis and retrieval. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 2545-58	8.7	80
66	The rough side of texture: texture analysis through the lens of HVEI 2013 ,		3
65	Local radius index - a new texture similarity feature 2013 ,		8
64	Image reconstruction from a Manhattan grid via piecewise plane fitting and Gaussian Markov random fields 2012 ,		4

63	Subjective and objective texture similarity for image compression 2012 ,		6
62	Matched-texture coding for structurally lossless compression 2012 ,		7
61	Hierarchical bilevel image compression based on cutset sampling 2012 ,		4
60	Acoustic-tactile rendering of visual information 2012 ,		1
59	3D surface registration using Z-SIFT 2011 ,		3
58	A new subjective procedure for evaluation and development of texture similarity metrics 2011 ,		4
57	Cutset sampling and reconstruction of images 2011 ,		7
56	New challenges for image processing research. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 3321	8.7	
55	An adaptive clustering and chrominance-based merging approach for image segmentation and abstraction 2010 ,		5
54	Subband analysis and synthesis of real-world textures for objective and subjective determination of roughness 2010 ,		1
53	Image analysis and compression: renewed focus on texture 2010 ,		7
52	Structural similarity metrics for texture analysis and retrieval 2009 ,		36
51	Classifying paintings by artistic genre: An analysis of features & classifiers 2009 ,		44
50	Roughness in sound and vision 2009 ,		5
49	Perceptual dimensions for a dynamic tactile display 2009 ,		4
48	Image Quality Assessment 2009 , 553-595		14
47	Introduction to the Issue on Visual Media Quality Assessment. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2009 , 3, 189-192	7.5	31
46	Subjective evaluation of spatial resolution and quantization noise tradeoffs. <i>IEEE Transactions on Image Processing</i> , 2009 , 18, 495-508	8.7	15

45	Perceptual similarity metrics for retrieval of natural textures 2009 ,		3
44	Resource allocation for downlink multiuser video transmission over wireless lossy networks. <i>IEEE Transactions on Image Processing</i> , 2008 , 17, 1663-71	8.7	48
43	Structural similarity quality metrics in a coding context: exploring the space of realistic distortions. <i>IEEE Transactions on Image Processing</i> , 2008 , 17, 1261-73	8.7	91
42	Image spam hunter. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2008 ,	1.6	9
41	Structural texture similarity metrics for retrieval applications 2008 ,		4
40	Structure-preserving properties of bilevel image compression 2008 ,		3
39	Content-aware resource allocation and packet scheduling for video transmission over wireless networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2007 , 25, 749-759	14.2	98
38	Using Structural Similarity Quality Metrics to Evaluate Image Compression Techniques 2007 ,		2
37	Spatiotemporal Algorithm for Background Subtraction 2007 ,		10
36	Content-Aware Resource Allocation for Scalable Video Transmission to Multiple Users Over a Wireless Network 2007 ,		3
35	Lossy Compression of Bilevel Images Based on Markov Random Fields 2007 ,		15
34	Perceptually based techniques for image segmentation and semantic classification 2007 , 45, 44-51		12
33	Rate-distortion optimized hybrid error control for real-time packetized video transmission. <i>IEEE Transactions on Image Processing</i> , 2006 , 15, 40-53	8.7	52
32	VAPOR: variance-aware per-pixel optimal resource allocation. <i>IEEE Transactions on Image Processing</i> , 2006 , 15, 289-99	8.7	17
31	Perceptual Feature Selection for Semantic Image Classification 2006 ,		2
30	Structural similarity quality metrics in a coding context: exploring the space of realistic distortions 2006 ,		3
29	Adaptive perceptual color-texture image segmentation. <i>IEEE Transactions on Image Processing</i> , 2005 , 14, 1524-36	8.7	106
28	Perceptual Criteria for Image Quality Evaluation 2005 , 939-959		52

27	Joint source-channel coding and power adaptation for energy efficient wireless video communications. <i>Signal Processing: Image Communication</i> , 2005 , 20, 371-387	2.8	9
26	. <i>IEEE Transactions on Multimedia</i> , 2005 , 7, 716-726	6.6	23
25	DNA computing from a signal processing viewpoint. <i>IEEE Signal Processing Magazine</i> , 2004 , 21, 100-106	9.4	14
24	How can DNA computing be applied to digital signal processing?. <i>IEEE Signal Processing Magazine</i> , 2004 , 21, 57-61	9.4	21
23	Motion-compensated wavelet video coding using adaptive mode selection 2004 , 5308, 1362		
22	Perceptual color and spatial texture features for segmentation 2003 ,		1
21	Joint source coding and data rate adaptation for energy efficient wireless video streaming. <i>IEEE Journal on Selected Areas in Communications</i> , 2003 , 21, 1710-1720	14.2	53
20	An efficient rate-distortion optimal shape coding approach utilizing a skeleton-based decomposition. <i>IEEE Transactions on Image Processing</i> , 2003 , 12, 1181-93	8.7	12
19	Joint source coding and transmission power management for energy efficient wireless video communications. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2002 , 12, 411-424	6.4	83
18	Perceptual coders and perceptual metrics 2001 ,		4
17	Human vision and electronic imaging. <i>Journal of Electronic Imaging</i> , 2001 , 10, 10	0.7	14
16	Least-squares model-based halftoning. <i>IEEE Transactions on Image Processing</i> , 1999 , 8, 1102-16	8.7	51
15	Joint block-based video source/channel coding for packet-switched networks 1998 , 3309, 124		19
14	Building bridges between human vision and electronic imaging: a ten-year retrospective 1998 , 3299, 2		2
13	Model-based halftoning of color images. <i>IEEE Transactions on Image Processing</i> , 1997 , 6, 1014-24	8.7	25
12	One-dimensional least-squares model-based halftoning. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1997 , 14, 1707	1.8	7
11	Digital halftoning: A model-based perspective. <i>International Journal of Imaging Systems and Technology</i> , 1996 , 7, 110-120	2.5	3
10	Printer models and error diffusion. <i>IEEE Transactions on Image Processing</i> , 1995 , 4, 66-80	8.7	40

9	Perceptual coding of images for halftone display. <i>IEEE Transactions on Image Processing</i> , 1994 , 3, 341-54	8.7	15
8	Blue noise and model-based halftoning 1994 , 2179, 182		8
7	Measurement of printer parameters for model-based halftoning. <i>Journal of Electronic Imaging</i> , 1993 , 2, 193	0.7	37
6	Least-squares model-based halftoning 1992 , 1666, 165		29
5	Model-based halftoning 1991 ,		18
4	Adaptive Thresholding and Sketch-Coding of Grey Level Images 1989 , 1199, 1003		1
3	. <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , 1988 , 36, 1501-1513		58
2	Estimation Of Coronary Artery Boundaries In Angiograms 1984 ,		6
1	On the numerical solution of the discrete-time algebraic Riccati equation. <i>IEEE Transactions on Automatic Control</i> , 1980 , 25, 631-641	5.9	226