Dimitrios Androutsos

List of Publications by Year
in descending order

43 papers	556 citations	1040056 9 h-index	888059 17 g-index
43 all docs	43 docs citations	43 times ranked	452 citing authors

#	Article	IF	Citations
1	Color Image Watermarking Using Multidimensional Fourier Transforms. IEEE Transactions on Information Forensics and Security, 2008, 3, 16-28.	6.9	187
2	Robust Semi-Automatic Depth Map Generation in Unconstrained Images and Video Sequences for 2D to Stereoscopic 3D Conversion. IEEE Transactions on Multimedia, 2014, 16, 122-136.	7.2	47
3	Content-based retrieval of logo and trademarks in unconstrained color image databases using Color Edge Gradient Co-occurrence Histograms. Computer Vision and Image Understanding, 2010, 114, 66-84.	4.7	42
4	Robust Affine Invariant Region-Based Shape Descriptors: The ICA Zernike Moment Shape Descriptor and the Whitening Zernike Moment Shape Descriptor. IEEE Signal Processing Letters, 2009, 16, 877-880.	3.6	29
5	Edge-Based Loss Function for Single Image Super-Resolution. , 2018, , .		29
6	Semi-automatic 2D to 3D image conversion using scale-space Random Walks and a graph cuts based depth prior. , 2011, , .		22
7	An augmented reality system characterization of placement accuracy in neurosurgery. Journal of Clinical Neuroscience, 2020, 72, 392-396.	1.5	18
8	Machine vision augmented reality for pedicle screw insertion during spine surgery. Journal of Clinical Neuroscience, 2020, 72, 350-356.	1.5	18
9	piNETâ€"An Automated Proliferation Index Calculator Framework for Ki67 Breast Cancer Images. Cancers, 2021, 13, 11.	3.7	17
10	Semi-automatic synthetic depth map generation for video using random walks. , 2011, , .		15
11	Frequency and Power Allocation for Energy Efficient OFDMA Systems with Proportional Rate Constraints. IEEE Wireless Communications Letters, 2014, 3, 313-316.	5.0	12
12	Semi-automatic 2D to 3D image conversion using a hybrid Random Walks and graph cuts based approach. , 2011, , .		10
13	Logo and trademark detection in images using Color Wavelet Co-occurrence Histograms. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	9
14	Image segmentation using Scale-Space Random Walks. , 2009, , .		9
15	Self-Organizing Maps for Topic Trend Discovery. IEEE Signal Processing Letters, 2010, 17, 607-610.	3.6	9
16	Depth guided image completion for structure and texture synthesis. , 2016, , .		8
17	MiNuGAN: Dual Segmentation of Mitoses and Nuclei Using Conditional GANs on Multi-center Breast H&E Images. Journal of Pathology Informatics, 2022, 13, 100002.	1.7	8
18	Affine invariant shape descriptors: The ICA-Fourier descriptor and the PCA-Fourier descriptor. , 2008, , .		6

#	Article	IF	Citations
19	Unconstrained logo and trademark retrieval in general color image databases using Color Edge Gradient Co-occurrence Histograms. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	6
20	A framework for estimating relative depth in video. Computer Vision and Image Understanding, 2015, 133, 15-29.	4.7	6
21	Efficient automatic depth estimation for video. , 2013, , .		5
22	Color texture retrieval usingwavelet decomposition in the independent components color space. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	4
23	On the Power Allocation Problem in the Gaussian Interference Channel with Proportional Rate Constraints. IEEE Transactions on Wireless Communications, 2014, 13, 1101-1115.	9.2	4
24	Propagating sparse labels through edge-aware filters. Signal, Image and Video Processing, 2015, 9, 17-24.	2.7	4
25	Human visual system inspired saliency guided edge preserving tone-mapping for high dynamic range imaging. , 2017, , .		4
26	Colour logo and trademark detection in unconstrained images using colour edge gradient co-occurrence histograms. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	3
27	Wavelet-based color texture retrieval using the independent component color space. , 2008, , .		3
28	Interactive rotoscoping through scale-space random walks. , 2009, , .		3
29	Color texture retrieval using wavelet decomposition on the Hue/Saturation plane. , 2008, , .		2
30	Robust affine invariant shape image retrieval using the ICA Zernike Moment Shape Descriptor. , 2009, , .		2
31	Scale-Space Random Walks. , 2009, , .		2
32	COntent-based unconstrained logo and trademark retrieval in color image databases with Color Edge Gradient Co-occurrence Histograms. , 2009, , .		2
33	Interactive video GrowCut: A semi-automated video object segmentation framework using cellular automata. , 2011, , .		2
34	Label propagation through edge-preserving filters. , 2014, , .		2
35	Indexing and retrieval of compound color objects using co-occurrence histograms of color and wavelet features. , 2008, , .		1
36	<title>Content-based unconstrained color logo and trademark retrieval with color edge gradient co-occurrence histograms</title>. , 2008, , .		1

#	Article	IF	Citations
37	PCA-whitening CSS shape descriptor for affine invariant image retrieval. , 2009, , .		1
38	Edge-aware temporally consistent SimpleFlow: Optical flow without global optimization. , 2013, , .		1
39	Subspace State Estimator for Facial Biometric Verification. , 2014, , .		1
40	Frequency allocation for green multiuser OFDM systems using evolutionary algorithm. , 2014, , .		1
41	Adaptive exposure fusion for high dynamic range imaging. , 2015, , .		1
42	Realistic real-timewater effects in 2D images. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	0
43	Unconstrained 2D to Stereoscopic 3D Image and Video Conversion Using Semi-Automatic Energy Minimization Techniques. , 2012, , .		0