

Bogdan Smolka

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

1,454
citations

471509

17
h-index

377865

34
g-index

126
all docs

126
docs citations

126
times ranked

518
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of facial actions for assessing smile genuineness. PLoS ONE, 2021, 16, e0244647.	2.5	6
2	Is large improvement in efficiency of impulsive noise removal in color images still possible?. PLoS ONE, 2021, 16, e0253117.	2.5	3
3	Efficient Technique of Impulsive Noise Detection and Replacement in Color Digital Images. Smart Innovation, Systems and Technologies, 2021, , 171-185.	0.6	0
4	Self-tuning fast adaptive algorithm for impulsive noise suppression in color images. Journal of Real-Time Image Processing, 2020, 17, 1067-1087.	3.5	4
5	On the application of the reachability distance in the suppression of mixed Gaussian and impulsive noise in color images. Multimedia Tools and Applications, 2020, 79, 32857-32879.	3.9	5
6	Deep Learning Based Switching Filter for Impulsive Noise Removal in Color Images. Sensors, 2020, 20, 2782.	3.8	20
7	Fast adaptive switching technique of impulsive noise removal in color images. Journal of Real-Time Image Processing, 2019, 16, 1077-1098.	3.5	26
8	Robust switching technique of impulsive noise removal in color digital images. , 2019, , .		2
9	Visual front-end for underwater scene change detection and environment monitoring by the autonomous drone. , 2019, , .		0
10	Deep learning for impulsive noise removal in color digital images. , 2019, , .		4
11	On the Suppression of Mixed Gaussian Impulsive Noise in Color Images. , 2018, , .		0
12	Robust Sharpening Vector Median Filter. , 2018, , .		3
13	Impulsive Noise Removal in Color Digital Images Based on the Concept of Digital Paths. , 2018, , .		5
14	Static Posed Versus Genuine Smile Recognition. Advances in Intelligent Systems and Computing, 2018, , 423-432.	0.6	0
15	Evolutionary cortical surface segmentation. , 2018, , .		0
16	Robust enhancement technique for color images corrupted by impulsive noise. , 2018, , .		0
17	Real-time stereovision framework for underwater drone maneuvering. , 2018, , .		3
18	Fast image colourisation using the isolines concept. Multimedia Tools and Applications, 2017, 76, 15987-16009.	3.9	1

#	ARTICLE	IF	CITATIONS
19	On the efficiency of a fast technique of impulsive noise removal in color digital images. , 2017, , .		5
20	IMPULSIVE NOISE REMOVAL IN COLOR IMAGES BASED ON THE LOCAL NEIGHBORHOOD EXPLORATION BY GEODESIC DIGITAL PATHS. , 2017, , .		0
21	Smile veracity recognition using 3D texture features for image sequence processing. , 2016, , .		1
22	Hybrid adaptation for detecting skin in color images. Intelligent Data Analysis, 2016, 20, S121-S139.	0.9	1
23	Smile Veracity Recognition Using LBP Features for Image Sequence Processing. , 2016, , .		1
24	Application of the local similarity filter for the suppression of multiplicative noise in medical ultrasound images. Proceedings of SPIE, 2016, , .	0.8	0
25	Segmentation of finger joint synovitis in ultrasound images. , 2016, , .		5
26	Automatic finger joint synovitis localization in ultrasound images. Proceedings of SPIE, 2016, , .	0.8	8
27	Automated recognition of facial expressions authenticity. , 2016, , .		1
28	High dimensional local binary patterns for facial expression recognition in the wild. , 2016, , .		6
29	Fast averaging peer group filter for the impulsive noise removal in color images. Journal of Real-Time Image Processing, 2016, 11, 427-444.	3.5	56
30	In Search of Truth: Analysis of Smile Intensity Dynamics to Detect Deception. Lecture Notes in Computer Science, 2016, , 325-337.	1.3	7
31	A Machine-Learning Approach to the Automated Assessment of Joint Synovitis Activity. Lecture Notes in Computer Science, 2016, , 440-450.	1.3	1
32	Power LBP: A Novel Texture Operator for Smiling and Neutral Facial Display Classification. Procedia Computer Science, 2015, 51, 1555-1564.	2.0	12
33	Impulsive noise suppression in color images based on the geodesic digital paths. , 2015, , .		2
34	Real-time object recognition in multidimensional images based on joined extended structural tensor and higher-order tensor decomposition methods. , 2015, , .		0
35	On the robust technique of mixed Gaussian and impulsive noise reduction in color digital images. , 2015, , .		5
36	Silesian Deception Database. , 2015, , .		13

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37	Recognition between smiling and neutral facial display with power LBP operator. , 2015, , .		1
38	Robust local similarity filter for the reduction of mixed Gaussian and impulsive noise in color digital images. Signal, Image and Video Processing, 2015, 9, 49-56.	2.7	24
39	Special issue on real-time color image processing. Journal of Real-Time Image Processing, 2015, 10, 189-191.	3.5	1
40	Adaptive trimmed averaging filter for noise removal in color images. , 2015, , .		1
41	Beyond the current noise limit in imaging through turbulent medium. Optics Letters, 2015, 40, 2181.	3.3	4
42	Overview of Grayscale Image Colorization Techniques. , 2015, , 345-370.		4
43	Adaptive rank weighted switching filter for impulsive noise removal in color images. Journal of Real-Time Image Processing, 2015, 10, 289-311.	3.5	46
44	Smiling and Neutral Facial Display Recognition with the Local Binary Patterns Operator. Journal of Medical Imaging and Health Informatics, 2015, 5, 1374-1382.	0.3	10
45	Isoline Based Image Colorization. , 2014, , .		3
46	On the robustified median filter for the reduction of impulsive noise in digital images. , 2014, , .		1
47	Gaze direction estimation from static images. , 2014, , .		5
48	Eye blink detection using Local Binary Patterns. , 2014, , .		10
49	Visualization enhancement of segmented images using genetic algorithm. , 2014, , .		2
50	Adaptive Non-local Means Filtering for Speckle Noise Reduction. Lecture Notes in Computer Science, 2014, , 518-525.	1.3	6
51	Self-adaptive algorithm for segmenting skin regions. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	50
52	Robustified vector median filter. , 2014, , .		5
53	Application of the Extended Distance Transformation in digital image colorization. Multimedia Tools and Applications, 2014, 69, 111-137.	3.9	7
54	Thresholded median filter for the impulsive noise removal in digital images. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
55	Soft Switching Technique for Impulsive Noise Removal in Color Images. , 2013, , .		9
56	Fast technique for mixed Gaussian and impulsive noise suppression in color images. , 2013, , .		3
57	Blink Detection Based on the Weighted Gradient Descriptor. Advances in Intelligent Systems and Computing, 2013, , 691-700.	0.6	6
58	Trimmed Non-local Means Technique for Mixed Noise Removal in Color Images. , 2013, , .		5
59	Fast impulsive noise removal in color images. , 2013, , .		6
60	Color image retrieval based on spatio-chromatic multichannel Gaussian mixture modelling. , 2013, , .		0
61	Reduced Ordering Technique of Impulsive Noise Removal in Color Images. Lecture Notes in Computer Science, 2013, , 296-310.	1.3	10
62	Adaptive rank based impulsive noise reduction in color images. , 2012, , .		8
63	A novel approach to the eye movement analysis using a high speed camera. , 2012, , .		15
64	Discriminative Textural Features for Image and Video Colorization. IEICE Transactions on Information and Systems, 2012, E95.D, 1722-1730.	0.7	14
65	Image and video quality improvement techniques for emerging applications. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.7	2
66	Selective Color Image Retrieval Based on the Gaussian Mixture Model. Lecture Notes in Computer Science, 2012, , 431-443.	1.3	4
67	Modified Bilateral Filter for the Restoration of Noisy Color Images. Lecture Notes in Computer Science, 2012, , 72-83.	1.3	4
68	Adaptive truncated Vector Median Filter. , 2011, , .		12
69	Texture-adaptive image colorization framework. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.7	8
70	Interactive colorization based on hybrid distance transform. , 2011, , .		2
71	Textural Features for Scribble-Based Image Colorization. Advances in Intelligent and Soft Computing, 2011, , 269-278.	0.2	4
72	Effective Color Image Retrieval Based on the Gaussian Mixture Model. Lecture Notes in Computer Science, 2011, , 199-213.	1.3	3

#	ARTICLE	IF	CITATIONS
73	Color Image Retrieval Based on Mixture Approximation and Color Region Matching. Advances in Intelligent and Soft Computing, 2011, , 337-345.	0.2	1
74	Peer group switching filter for impulse noise reduction in color images. Pattern Recognition Letters, 2010, 31, 484-495.	4.2	51
75	Competitive image colorization. , 2010, , .		14
76	Application of bilateral filtering and Gaussian Mixture modeling for the retrieval of paintings. , 2009, , .		12
77	Peer group filtering of noisy color images. , 2008, , .		1
78	Modified biased anisotropic diffusion processing of noisy color images. , 2008, , .		5
79	Digital Image Colorization Based on Probabilistic Distance Transform. Lecture Notes in Computer Science, 2008, , 626-634.	1.3	5
80	Peer Group Filter for Impulsive Noise Removal in Color Images. Lecture Notes in Computer Science, 2008, , 699-707.	1.3	2
81	Adaptive Generalized Vector Median Filter. Lecture Notes in Computer Science, 2008, , 30-37.	1.3	0
82	Gaussian Mixture Model Based Approach to Color Image Retrieval. , 2007, , .		0
83	Fast Digital Image Colorization Technique. , 2007, , .		5
84	<title>Parametric approach to the retrieval of lossy compressed color images</title>. , 2007, , .		0
85	<title>Digital image colorization based on distance transformation</title>. , 2007, , .		2
86	A robust indexing and retrieval method for lossy compressed color images. Proc Int Symp Image Signal Process Anal, 2007, , .	0.0	6
87	Generalized Vector Median Filter. Proc Int Symp Image Signal Process Anal, 2007, , .	0.0	6
88	Sharpening vector median filters. Signal Processing, 2007, 87, 2085-2099.	3.7	61
89	Peer Group Vector Median Filter. , 2007, , 314-323.		3
90	On the Application of Distance Transformation in Digital Image Colorization. Advances in Intelligent and Soft Computing, 2007, , 108-116.	0.2	2

#	ARTICLE	IF	CITATIONS
91	Gaussian Mixture Model Based Retrieval Technique for Lossy Compressed Color Images. Lecture Notes in Computer Science, 2007, , 662-673.	1.3	8
92	Vector sigma filters for noise detection and removal in color images. Journal of Visual Communication and Image Representation, 2006, 17, 1-26.	2.8	87
93	On the Adaptive Impulsive Noise Attenuation in Color Images. Lecture Notes in Computer Science, 2006, , 307-317.	1.3	2
94	Fast detection and impulsive noise removal in color images. Real Time Imaging, 2005, 11, 389-402.	1.6	165
95	cDNA microarray image processing using fuzzy vector filtering framework. Fuzzy Sets and Systems, 2005, 152, 17-35.	2.7	87
96	A Data-Adaptive Approach to cDNA Microarray Image Enhancement. Lecture Notes in Computer Science, 2005, , 886-893.	1.3	5
97	A Statistically-Switched Adaptive Vector Median Filter. Journal of Intelligent and Robotic Systems: Theory and Applications, 2005, 42, 361-391.	3.4	78
98	Soft-Switching Adaptive Technique of Impulsive Noise Removal in Color Images. Lecture Notes in Computer Science, 2005, , 686-693.	1.3	9
99	Fast Detection and Impulsive Noise Attenuation in Color Images. Advances in Soft Computing, 2005, , 459-466.	0.4	1
100	Segmentation of the Comet Assay Images. Lecture Notes in Computer Science, 2004, , 124-131.	1.3	3
101	Selection weighted vector directional filters. Computer Vision and Image Understanding, 2004, 94, 140-167.	4.7	89
102	A Multichannel Order-Statistic Technique for cDNA Microarray Image Processing. IEEE Transactions on Nanobioscience, 2004, 3, 272-285.	3.3	74
103	Generalized Selection Weighted Vector Filters. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.7	45
104	An Automated Multichannel Procedure for cDNA Microarray Image Processing. Lecture Notes in Computer Science, 2004, , 1-8.	1.3	2
105	On the new robust algorithm of noise reduction in color images. Computers and Graphics, 2003, 27, 503-513.	2.5	4
106	Entropy Vector Median Filter. Lecture Notes in Computer Science, 2003, , 1117-1125.	1.3	11
107	<title>Robust retrieval of fine art paintings</title>. , 2003, , .		0
108	<title>Modified anisotropic diffusion framework</title>. , 2003, 5150, 1657.		1

#	ARTICLE	IF	CITATIONS
109	<title>Application of kernel density estimation for color image filtering</title>. , 2003, 5150, 1650.		3
110	<title>Three-dimensional entropy vector median filter for color video filtering</title>. , 2003, , .		1
111	Noise reduction in DNA microarray images based on digital path approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 17-22.	0.4	1
112	New segmentation methods of the comet assay images. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 129-134.	0.4	1
113	Nonlinear Techniques for Color Image Processing. Electrical Engineering and Applied Signal Processing Series, 2003, , 445-506.	1.2	27
114	A New Method of the Analysis of Comet Assay Images 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 239-244.	0.4	1
115	Contrast enhancement of badly illuminated images based on Gibbs distribution and random walk model. Lecture Notes in Computer Science, 1997, , 271-278.	1.3	6
116	A new method of texture binarization. Lecture Notes in Computer Science, 1997, , 629-636.	1.3	5