Oleksandr Zelenskyy

List of Publications by Year
in descending order

		1307594	1588992
54 papers	817 citations	7 h-index	8 g-index
55 all docs	55 docs citations	55 times ranked	1300 citing authors

#	ARTICLE	IF	CITATIONS
1	Bispectral-based signal processing technique for digital communication system. , 2016, , .		0
2	BISPECTRUM-BASED RADAR RANGE PROFILE EVALUATION FOR THE NAVAL TARGETS EMBEDDED IN SEA CLUTTER ENVIRONMENT. Telecommunications and Radio Engineering (English Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697		
3	Texture detection in noisy images by combining several local parameters. , 2015, , .		3
4	Experimental study of bispectrum-based encoding in radio communication system. , 2015, , .		1
5	Bispectrum-based demodulation technique using triple-channel heterodyning of triplet-signal. , 2015, , .		1
6	Blind estimation of speckle variance in synthetic aperture radar images. , 2015, , .		1
7	Smoothing of the bispectral density estimate based on digital nonlinear filtering and the Kravchenko weight functions. Doklady Physics, 2014, 59, 304-308.	0.7	1
8	A NOVEL BISPECTRUM-BASED FREQUENCY ENCODING TECHNIQUE DEVELOPED FOR NOISY AND MULTIPATH FADING RADIO LINKS. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.4	
9	Multi-frequency encoding technique using phase coupling in wireless communication systems. , 2013, , .		0
10	Performance evaluation for 2D and 3D filtering methods of noise removal in color images. , 2012, , .		1
11	HCS Road: An Enterprise System for Integrated HCS Data Management and Analysis. Journal of Biomolecular Screening, 2010, 15, 882-891.	2.6	11
12	Green Evolution and Dynamic Adaptations Revealed by Genomes of the Marine Picoeukaryotes <i>Micromonas</i>. Science, 2009, 324, 268-272.	12.6	591
13	Compression and classification of noisy multichannel remote sensing images. , 2008, , .		4
14	Adaptive DCT-based filtering of images corrupted by spatially correlated noise. , 2008, , .		17
15	3D DCT Based Filtering of Color and Multichannel Images. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2008, 67, 1369-1392.	0.4	13
16	Comparison of 3-D and 2-D DCT Based Filtering of Multichannel Images. , 2007, , .		1
17	DCT Local Adaptive Filtering of Images Corrupted by Fluctuative Noise with a Priori Unknown Statistical Properties. , 2007, , .		0
18	Improved minimal inter-quantile distance method for blind estimation of noise variance in images. Proceedings of SPIE, 2007, , .	0.8	16

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19	Object classification, segmentation, and parameter estimation in multichannel images by classifier learning with clustering of local parameters. , 2007, , .		1
20	Use of minimal inter-quantile distance estimation in image processing. , 2006, , .		4
21	Quasi-optimal compression of noisy optical and radar images. , 2006, , .		10
22	New Noise Immunity Coding Technique with Application of Triple Correlation and Bispectrum. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2006, 65, 399-411.	0.4	0
23	Three-State Locally Adaptive Texture Preserving Filter for Radar and Optical Image Processing. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	30
24	Locally adaptive image filtering based on learning with clustering. , 2005, , .		4
25	Myriad based shift parameter estimation method and its application to image filtering and processing. , 2005, 5916, 591601.		2
26	Robust ground control point-matching algorithm for multichannel radar image geometric correction. , 2003, , .		0
27	<title>Blind evaluation of noise variance in images using myriad operation</title>. , 2002, 4667, 192.		6
28	<title>Evaluation of snow cover characteristics in Ukraine from the radar images of Ocean satellite</title>. , 2001, 4171, 261.		0
29	<title>Neural networks for local recognition of images with mixed noise</title>. , 2001, , .		4
30	Local activity indicators for hard-switching adaptive filtering of images with mixed noise. Optical Engineering, 2001, 40, 1441.	1.0	15
31	<title>Data fusion and processing for airborne multichannel system of radar remote sensing: methodology, stages, and algorithms</title>. , 2000, 4051, 215.		7
32	<title>Applications and properties of sigma and mean filters with adaptive window size</title>. , 2000, , .		0
33	<title>Property analysis of noise-suppressing L-filters for speckle image processing</title>. , 1999, , .		0
34	Processing multichannel radar images by modified vector sigma filter for soil erosion degree determination. , 1999, , .		3
35	<title>Modified vector sigma filter and its application to color and multichannel remote sensing radar image processing</title>. , 1999, 3808, 423.		1
36	Soil-erosion-state interpretation using pre- and postprocessing of multichannel radar images. , 1998, , .		4

#	Article	IF	Citations
37	Nonlinear algorithms of isogram extraction from topographic maps. , 1998, , .		0
38	<title>Radar dual-polarization remote sensing of soil erosion</title>. Proceedings of SPIE, 1997, 3222, 149.	0.8	1
39	Nonlinear locally adaptive and iterative algorithms of image restoration. Journal of Electronic Imaging, 1997, 6, 439.	0.9	0
40	<title>Adaptive vector LQ filter for color image processing</title>. , 1997, , .		4
41	<title>Adaptive nonlinear vector filtering of multichannel radar images</title>. , 1997, , .		4
42	<title>Nonlinear locally adaptive and iterative algorithms of image restoration</title>. , 1996, 2823, 109.		0
43	<title>Soil characteristics estimation from multispectral and multipolarization radar remote sensing data</title>. , 1996, , .		0
44	Digital adaptive robust algorithms for radar image filtering. Journal of Electronic Imaging, 1996, 5, 410.	0.9	27
45	<title>Nonlinear order-statistic filters for image processing and restoration algorithms</title>. , 1995, , .		0
46	<title>Fast-data-weighting algorithms of nonfocused SAR-image forming</title>. , 1995, , .		0
47	<title>Application of order statistic filtering to multichannel radar image processing</title>. , 1995, , .		2
48	<title>Soil moisture and erosion degree estimation from multichannel microwave remote sensing data</title>. , 1995, , .		5
49	<title>Image enhancement using signal spectral abundance</title>. , 1995, , .		0
50	Statistical analysis of apodized array pattern characteristics under spatially correlated error influence. , 0, , .		0
51	Use of homomorphic transforms for low contrast edge/detail detection and filtering of MM-band images. , 0, , .		1
52	Methodology of multichannel radar image processing and interpretation. , 0, , .		2
53	Neural network application for primary local recognition and nonlinear adaptive filtering of images. , 0, , .		6
54	Multiplicative noise variance evaluation in mm-band radar images using myriad estimation. , 0, , .		0