

# Alexander Zelenskiy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4054435/publications.pdf>

Version: 2024-02-01

42  
papers

241  
citations

1937457

4  
h-index

2272820

4  
g-index

42  
all docs

42  
docs citations

42  
times ranked

71  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of tool cutting surface quality from analysis on a group of images and the combined data. , 2021, , .		3
2	No-reference transform-based quality assessment for imaging applications. , 2021, , .		1
3	Block-based contrast enhancement method for medical application. , 2021, , .		3
4	A block-based method for the remote sensing images cloud detection and removal. , 2021, , .		6
5	Algorithm for fusing data obtained by thermal, 3D, and the visible range cameras. , 2021, , .		4
6	Algorithm for the automated determination of heating areas during metal processing with numerically controlled machines. , 2021, , .		7
7	WEDM as a Replacement for Grinding in Machining Ceramic Al <sub>2</sub> O <sub>3</sub> -TiC Cutting Inserts. Metals, 2021, 11, 882.	1.0	38
8	Multimodal image inpainting for an autonomous robot navigation application. , 2021, , .		3
9	Automated visual inspection of fabric image using deep learning approach for defect detection. , 2021, , .		10
10	Algorithm for the automated analysis of the shape of objects located on the cutting table of industrial robotic systems. , 2021, , .		2
11	Action recognition for the robotics and manufacturing automation using 3-D binary micro-block difference. International Journal of Advanced Manufacturing Technology, 2021, 117, 2319-2330.	1.5	21
12	Transform-based quality assessment for enhanced image. , 2021, , .		0
13	3-D Block-Rooting Scheme With Application to Medical Image Enhancement. IEEE Access, 2021, 9, 3880-3893.	2.6	7
14	Physicomechanical Nature of Acoustic Emission Preceding Wire Breakage during Wire Electrical Discharge Machining (WEDM) of Advanced Cutting Tool Materials. Metals, 2021, 11, 1865.	1.0	15
15	Fusion of color and depth information for human actions recognition. , 2020, , .		6
16	Human activity recognition for efficient human-robot collaboration. , 2020, , .		8
17	Automatic search for thermal energy leaks in the form of thin gaps during the audit of buildings based on mobile systems. , 2020, , .		0
18	The combined denoising of images on the optical and thermal range onboard the UAV. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
19	Identification of local features on a group of images obtained in different electromagnetic ranges. , 2020, , .		2
20	Image enhancement through multi-scale alpha-rooting processing for remote sensing application. , 2020, , .		6
21	Gastric polyps detection based on endoscopic video using modified dense micro-block difference descriptor. , 2020, , .		0
22	Automated visual inspection algorithm for the reflection detection and removing in image sequences. , 2020, , .		0
23	Large nucleating ions (H <sub>2</sub> SO <sub>4</sub> ) <sub>n</sub> (HSO <sub>4</sub> <sup>-</sup> )(NH <sub>3</sub> ) <sub>m</sub> : Formation mechanism and appearance in the earth's atmosphere. AIP Conference Proceedings, 2020, , .	0.3	0
24	Depth-map inpainting using learned patch-based propagation. , 2020, , .		3
25	Algorithm for image enhancement and subsequent stitching of combined multichannel images. , 2020, , .		0
26	Missing area reconstruction in 3D scene from multi-view satellite images for surveillance applications. , 2020, , .		2
27	Image enhancement in a quaternion framework for remote sensing applications. , 2020, , .		8
28	Memory-centric approach and human-like technologies in the design of automated technological complexes for advanced manufacturing. , 2020, , .		0
29	Heterogeneous neuromorphic processor based on RISC-V architecture for real-time robotics tasks. , 2020, , .		2
30	Algorithm for image stitching in the infrared. , 2019, , .		9
31	Automatic detection of welding defects using the convolutional neural network. , 2019, , .		17
32	Combining images near-infrared and visible data from cameras UAV. , 2019, , .		3
33	Thermal image stitching for examination industrial buildings. , 2019, , .		0
34	Quaternion-based local and global color image enhancement algorithm. , 2019, , .		11
35	Video quality assessment using generative adversarial network. , 2019, , .		0
36	An algorithm to improve the accuracy of search boundaries for objects obtained in the x-ray. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
37	Rain and snow removal using multi-guided filter and anisotropic gradient in the quaternion framework. , 2019, , .		6
38	Underwater Image Enhancement Algorithm Based on Logarithmic Transform Histogram Matching With Spatial Equalization. , 2018, , .		14
39	Blind Visual Quality Assessment for Smart Cloud-Based Video Storage. , 2018, , .		0
40	Video Content Verification Using Blockchain Technology. , 2018, , .		10
41	Action recognition using the 3D dense microblock difference. , 2018, , .		2
42	Detection of deleted frames on videos using a 3D convolutional neural network. , 2018, , .		4