

# 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

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g-index

42  
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42  
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42  
times ranked

71  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Automatic detection of welding defects using the convolutional neural network. , 2019, , .		17
4	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
5	Underwater Image Enhancement Algorithm Based on Logarithmic Transform Histogram Matching With Spatial Equalization. , 2018, , .		14
6	Quaternion-based local and global color image enhancement algorithm. , 2019, , .		11
7	Video Content Verification Using Blockchain Technology. , 2018, , .		10
8	Automated visual inspection of fabric image using deep learning approach for defect detection. , 2021, , .		10
9	Algorithm for image stitching in the infrared. , 2019, , .		9
10	Human activity recognition for efficient human-robot collaboration. , 2020, , .		8
11	Image enhancement in a quaternion framework for remote sensing applications. , 2020, , .		8
12	Algorithm for the automated determination of heating areas during metal processing with numerically controlled machines. , 2021, , .		7
13	3-D Block-Rooting Scheme With Application to Medical Image Enhancement. IEEE Access, 2021, 9, 3880-3893.	2.6	7
14	A block-based method for the remote sensing images cloud detection and removal. , 2021, , .		6
15	Fusion of color and depth information for human actions recognition. , 2020, , .		6
16	Rain and snow removal using multi-guided filter and anisotropic gradient in the quaternion framework. , 2019, , .		6
17	Image enhancement through multi-scale alpha-rooting processing for remote sensing application. , 2020, , .		6
18	The combined denoising of images on the optical and thermal range onboard the UAV. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
19	Algorithm for fusing data obtained by thermal, 3D, and the visible range cameras. , 2021, , .		4
20	Detection of deleted frames on videos using a 3D convolutional neural network. , 2018, , .		4
21	Determination of tool cutting surface quality from analysis on a group of images and the combined data. , 2021, , .		3
22	Block-based contrast enhancement method for medical application. , 2021, , .		3
23	Multimodal image inpainting for an autonomous robot navigation application. , 2021, , .		3
24	Combining images near-infrared and visible data from cameras UAV. , 2019, , .		3
25	An algorithm to improve the accuracy of search boundaries for objects obtained in the x-ray. , 2019, , .		3
26	Depth-map inpainting using learned patch-based propagation. , 2020, , .		3
27	Algorithm for the automated analysis of the shape of objects located on the cutting table of industrial robotic systems. , 2021, , .		2
28	Action recognition using the 3D dense microblock difference. , 2018, , .		2
29	Identification of local features on a group of images obtained in different electromagnetic ranges. , 2020, , .		2
30	Missing area reconstruction in 3D scene from multi-view satellite images for surveillance applications. , 2020, , .		2
31	Heterogeneous neuromorphic processor based on RISC-V architecture for real-time robotics tasks. , 2020, , .		2
32	No-reference transform-based quality assessment for imaging applications. , 2021, , .		1
33	Blind Visual Quality Assessment for Smart Cloud-Based Video Storage. , 2018, , .		0
34	Transform-based quality assessment for enhanced image. , 2021, , .		0
35	Thermal image stitching for examination industrial buildings. , 2019, , .		0
36	Video quality assessment using generative adversarial network. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
37	Automatic search for thermal energy leaks in the form of thin gaps during the audit of buildings based on mobile systems. , 2020, , .		0
38	Gastric polyps detection based on endoscopic video using modified dense micro-block difference descriptor. , 2020, , .		0
39	Automated visual inspection algorithm for the reflection detection and removing in image sequences. , 2020, , .		0
40	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
41	Algorithm for image enhancement and subsequent stitching of combined multichannel images. , 2020, , .		0
42	Memory-centric approach and human-like technologies in the design of automated technological complexes for advanced manufacturing. , 2020, , .		0