

# Vitalii A Pavlov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7528653/publications.pdf>

Version: 2024-02-01

20  
papers

114  
citations

1684188

5  
h-index

1474206

9  
g-index

24  
all docs

24  
docs citations

24  
times ranked

54  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Development of computer-aided model to differentiate COVID-19 from pulmonary edema in lung CT scan: EDECOVID-net. Computers in Biology and Medicine, 2022, 141, 105172.                           | 7.0 | 9         |
| 2  | Simplified Convolutional Neural Network Application for Cervix Type Classification via Colposcopic Images. Bioengineering, 2022, 9, 240.  | 3.5 | 1         |
| 3  | Application of a Texture Appearance Model for Segmentation of Lung Nodules on Computed Tomography of the Chest. Journal of the Russian Universities Radioelectronics, 2022, 25, 96-117.           | 0.2 | 3         |
| 4  | Reduction of Multiplicative Noise in Radar Images. Journal of the Russian Universities Radioelectronics, 2021, 24, 6-18.  | 0.2 | 0         |
| 5  | Multiple Object Tracking Using Convolutional Neural Network on Aerial Imagery Sequences. Springer Proceedings in Physics, 2021, , 413-420.  | 0.2 | 6         |
| 6  | Severity and Progression Quantification of COVID-19 in CT Images: a new Deep-Learning Approach. , 2021, , .   |     | 3         |
| 7  | Investigation of the Influence of Speckle Noise on the Accuracy of Object Detection by Convolutional Neural Networks. , 2021, , .   |     | 2         |
| 8  | A Method of Finding Optimal Parameters of Speckle Noise Reduction Filters. Lecture Notes in Computer Science, 2020, , 133-141.  | 1.3 | 2         |
| 9  | Comparison of Image Quality Assessment Metrics for Evaluation of Performance of Anisotropic Diffusion Filter for SAR Images. , 2020, , .  |     | 4         |
| 10 | On specific features of the endoscopic image processing. Journal of Physics: Conference Series, 2019, 1236, 012036.   | 0.4 | 7         |
| 11 | Automatic detection of objects on star sky images by using the convolutional neural network. Journal of Physics: Conference Series, 2019, 1236, 012066.   | 0.4 | 10        |
| 12 | Adaptation of frame frequency to observation stages at control of spacecraft convergence. Journal of Physics: Conference Series, 2019, 1236, 012069.  | 0.4 | 4         |
| 13 | Taking into Account Noise and Background Information During Transmitting of Decisions on Signal Detection-Estimation. , 2019, , .   |     | 0         |
| 14 | Implementation of Synthetic Aperture Radar Processing Algorithms on the Jetson TX1 Platform. , 2019, , .  |     | 9         |
| 15 | Radiomics: Extracting more Features using Endoscopic Imaging. , 2019, , .   |     | 13        |
| 16 | Development of a novel optical measurement technique to investigate the hot cracking susceptibility during laser beam welding. Welding in the World, Le Soudage Dans Le Monde, 2019, 63, 435-441. | 2.5 | 19        |
| 17 | A Concept of Smart Medical Autonomous Distributed System for Diagnostics Based on Machine Learning Technology. Lecture Notes in Computer Science, 2019, , 515-524.                                | 1.3 | 8         |
| 18 | Modification of Tracking Algorithm Struck by the Application of the Scale Estimation Method. , 2018, , .  |     | 2         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Novel metrology to determine the critical strain conditions required for solidification cracking during laser welding of thin sheets. Journal of Physics: Conference Series, 2018, 1109, 012047. | 0.4 | 5         |
| 20 | TLD Object Tracking Algorithm Improved with Particle Filter. , 2018, , .   |     | 5         |