Vitalii A Pavlov

List of Publications by Year
in descending order

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 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
2	Radiomics: Extracting more Features using Endoscopic Imaging. , 2019, , .		13
3	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
4	Implementation of Synthetic Aperture Radar Processing Algorithms on the Jetson TX1 Platform. , 2019, , .		9
5	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
6	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
7	On specific features of the endoscopic image processing. Journal of Physics: Conference Series, 2019, 1236, 012036.	0.4	7
8	Multiple Object Tracking Using Convolutional Neural Network on Aerial Imagery Sequences. Springer Proceedings in Physics, 2021, , 413-420.	0.2	6
9	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
10	TLD Object Tracking Algorithm Improved with Particle Filter. , 2018, , .		5
11	Adaptation of frame frequency to observation stages at control of spacecraft convergence. Journal of Physics: Conference Series, 2019, 1236, 012069.	0.4	4
12	Comparison of Image Quality Assessment Metrics for Evaluation of Performance of Anisotropic Diffusion Filter for SAR Images. , 2020, , .		4
13	Severity and Progression Quantification of COVID-19 in CT Images: a new Deep-Learning Approach. , 2021, , .		3
14	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
15	Modification of Tracking Algorithm Struck by the Application of the Scale Estimation Method. , 2018, , .		2
16	A Method of Finding Optimal Parameters of Speckle Noise Reduction Filters. Lecture Notes in Computer Science, 2020, , 133-141.	1.3	2
17	Investigation of the Influence of Speckle Noise on the Accuracy of Object Detection by Convolutional Neural Networks. , 2021, , .		2
18	Simplified Convolutional Neural Network Application for Cervix Type Classification via Colposcopic Images. Bioengineering, 2022, 9, 240.	3.5	1

#	Article	IF	Citations
19	Taking into Account Noise and Background Information During Transmitting of Decisions on Signal Detection-Estimation. , 2019, , .		0
20	Reduction of Multiplicative Noise in Radar Images. Journal of the Russian Universities Radioelectronics, 2021, 24, 6-18.	0.2	0