Vladimir V Kniaz

List of Publications by Year
in descending order

26 papers	162 citations	1936888 4 h-index	1872312 6 g-index
26 all docs	26 docs citations	26 times ranked	135 citing authors

#	Article	IF	Citations
1	ThermalGAN: Multimodal Color-to-Thermal Image Translation for Person Re-identification in Multispectral Dataset. Lecture Notes in Computer Science, 2019, , 606-624.	1.0	53
2	Deep Learning of Convolutional Auto-Encoder for Image Matching and 3D Object Reconstruction in the Infrared Range. , 2017, , .		20
3	Image-to-Voxel Model Translation with Conditional Adversarial Networks. Lecture Notes in Computer Science, 2019, , 601-618.	1.0	16
4	GENERATIVE ADVERSARIAL NETWORKS FOR SINGLE PHOTO 3D RECONSTRUCTION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W9, 403-408.	0.2	16
5	3D Reconstruction of a Complex Grid Structure Combining UAS Images and Deep Learning. Remote Sensing, 2020, 12, 3128.	1.8	11
6	Conditional GANs for semantic segmentation of multispectral satellite images. , 2018, , .		8
7	ROBUST VISION-BASED POSE ESTIMATION ALGORITHM FOR AN UAV WITH KNOWN GRAVITY VECTOR. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 63-68.	0.2	7
8	A Fast Recognition Algorithm for Detection of Foreign 3D Objects on a Runway. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3, 151-156.	0.2	6
9	Image-to-Voxel Model Translation for 3D Scene Reconstruction and Segmentation. Lecture Notes in Computer Science, 2020, , 105-124.	1.0	6
10	LONG WAVE INFRARED IMAGE COLORIZATION FOR PERSON RE-IDENTIFICATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W12, 111-116.	0.2	5
11	Deep learning for dense labeling of hydrographic regions in very high resolution imagery. , 2019, , .		3
12	Object recognition for UAV navigation in complex environment. , 2020, , .		3
13	Multispectral Person Re-Identification Using GAN for Color-to-Thermal Image Translation. , 2019, , 135-158.		2
14	Deep Learning a Single Photo Voxel Model Prediction from Real and Synthetic Images. Studies in Computational Intelligence, 2020, , 3-16.	0.7	2
15	Fast instantaneous center of rotation estimation algorithm for a skied-steered robot. , 2015, , .		1
16	GANcoder: robust feature point matching using conditional adversarial auto-encoder. , 2020, , .		1
17	Synthesis and Visualization of Photorealistic Textures for 3D Face Reconstruction of Prehistoric Human. , 0, , short15-1-short15-9.		1
18	StructureFromGAN: Single Image 3D Model Reconstruction and Photorealistic Texturing. Lecture Notes in Computer Science, 2020, , 595-611.	1.0	1

#	Article	IF	Citations
19	Real-time optical flow estimation on a GPU for aÂskied-steered mobile robot. , 2016, , .		0
20	MUSIC-ELICITED EMOTION IDENTIFICATION USING OPTICAL FLOW ANALYSIS OF HUMAN FACE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-5/W6, 27-32.	0.2	0
21	A photogrammetric technique for generation of an accurate multispectral optical flow dataset. Proceedings of SPIE, 2017, , .	0.8	0
22	Optical flow-based filtering for effective presentation of the enhanced vision on a HUD. , 2018, , .		0
23	Segmentation and visualization of obstacles for the enhanced vision system using generative adversarial networks. Scientific Visualization, 2018, 10, 1-12.	0.2	0
24	Segmentation and visualization of obstacles for the enhanced vision system using generative adversarial networks. Scientific Visualization, 2019, 11, .	0.2	0
25	FringeMatchNet: effective stereo matching onboard of mobile structured light 3D scanner. , 2019, , .		0
26	Image-based System for 3D Visualization of Flow in Hydrodynamic Tunnel. , 0, , paper14-1-paper14-11.		0