Amila Akagic

List of Publications by Year
in descending order

		2258059	2053705
22 papers	218 citations	3 h-index	5 g-index
22 all docs	22 docs citations	22 times ranked	128 citing authors

#	Article	IF	Citations
1	Pavement crack detection using Otsu thresholding for image segmentation. , 2018, , .		67
2	Pothole detection: An efficient vision based method using RGB color space image segmentation. , 2017, , .		38
3	Forest Fire Detection based on Color Spaces Combination. , 2019, , .		16
4	Single Object Trackers in OpenCV: A Benchmark. , 2020, , .		16
5	LW-FIRE: A Lightweight Wildfire Image Classification with a Deep Convolutional Neural Network. Applied Sciences (Switzerland), 2022, 12, 2646.	2.5	12
6	A hybrid method for prediction of protein secondary structure based on multiple artificial neural networks. , 2017, , .		11
7	Superpixel Accelerator for Computer Vision Applications on Arria 10 SoC. , 2018, , .		10
8	A study of adaptable co-processors for Cyclic Redundancy Check on an FPGA. , 2012, , .		8
9	Unsupervised method for detection of high severity distresses on asphalt pavements. , 2017, , .		8
10	High speed CRC with 64-bit generator polynomial on an FPGA. Computer Architecture News, 2011, 39, 72-77.	2.5	6
11	Multiple Object Trackers in OpenCV: A Benchmark. , 2021, , .		6
12	Unsupervised Method for Wildfire Flame Segmentation and Detection. IEEE Access, 2022, 10, 55213-55225.	4.2	6
13	Performance evaluation of multiple lookup tables algorithms for generating CRC on an FPGA. , 2011, , .		4
14	OpenCL Superpixel Implementation on a General Purpose Multi-core CPU. , 2018, , .		3
15	High-Speed Fully-Adaptable CRC Accelerators. IEICE Transactions on Information and Systems, 2013, E96.D, 1299-1308.	0.7	3
16	Performance analysis of fully-adaptable CRC accelerators on an FPGA. , 2012, , .		1
17	Design and Implementation of IP-based iSCSI Offload Engine on an FPGA. IPSJ Transactions on System LSI Design Methodology, 2013, 6, 112-121.	0.8	1
18	Low cost UGV platform for autonomous 2D navigation and map-building based on a single sensory input. , 2020, , .		1

#	Article	IF	Citations
19	Multilevel image thresholding based on Rao algorithms and Kapurâ€™s Entropy. , 2022, , .		1
20	Image-Based Crack Detection Using Sub-image Technique. , 2019, , .		0
21	Two approaches in solving Rubikâ€™s cube with Hardware-Software Co-design. , 2020, , .		0
22	Deep Reinforcement Learning in Smart Grid: Progress and Prospects. , 2022, , .		0