Soulef Bouaafia

List of Publications by Year
in descending order

		1937685	1588992
16 papers	**123** citations	**4** h-index	**8** g-index
16 all docs	**16** docs citations	**16** times ranked	**41** citing authors

#	Article	IF	Citations
1	Deep learning-based video quality enhancement for the new versatile video coding. Neural Computing and Applications, 2022, 34, 14135-14149.	5.6	10
2	Virtual Healthcare Center for COVID-19 Patient Detection Based on Artificial Intelligence Approaches. Canadian Journal of Infectious Diseases and Medical Microbiology, 2022, 2022, 1-15.	1.9	3
3	Deep convolutional neural networks-based Hardware–Software on-chip system for computer vision application. Computers and Electrical Engineering, 2022, 98, 107671.	4.8	14
4	Deep Pre-trained Models for Computer Vision Applications: Traffic sign recognition. , 2021, , .		11
5	Rate-Distortion Performance Comparison: VVC vs. HEVC. , 2021, , .		5
6	PYNQ FPGA Hardware implementation of LeNet-5-Based Traffic Sign Recognition Application. , 2021, , .		9
7	CNN-LSTM Learning Approach-Based Complexity Reduction for High-Efficiency Video Coding Standard. Scientific Programming, 2021, 2021, 1-10.	0.7	7
8	COVID-19 Recognition Based on Patient's Coughing and Breathing Patterns Analysis: Deep Learning Approach. , 2021, , .		16
9	COVID-19 Recognition based on Deep Transfer Learning. , 2021, , .		6
10	VVC In-Loop Filtering Based on Deep Convolutional Neural Network. Computational Intelligence and Neuroscience, 2021, 2021, 1-9.	1.7	5
11	Complexity Analysis of New Future Video Coding (FVC) Standard Technology. International Journal of Digital Multimedia Broadcasting, 2021, 2021, 1-13.	0.6	2
12	Fast CU partition-based machine learning approach for reducing HEVC complexity. Journal of Real-Time Image Processing, 2020, 17, 185-196.	3.5	29
13	A Deep CNN-LSTM Framework for Fast Video Coding. Lecture Notes in Computer Science, 2020, , 205-212.	1.3	4
14	SVM-based Inter Prediction Mode Decision for HEVC. , 2020, , .		1
15	Fast Motion Estimation's Configuration Using Diamond Pattern and ECU, CFM, and ESD Modes for Reducing HEVC Computational Complexity. , 0, , .		1
16	Deep CNN Co-design for HEVC CU Partition Prediction on FPGA–SoC. Neural Processing Letters, 0, , 1.	3.2	0