

Laith Alzubaidi

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

3,135
citations

623188

14
h-index

552369

26
g-index

37
all docs

37
docs citations

37
times ranked

1177
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of deep learning: concepts, CNN architectures, challenges, applications, future directions. Journal of Big Data, 2021, 8, 53.	6.9	2,200
2	Towards a Better Understanding of Transfer Learning for Medical Imaging: A Case Study. Applied Sciences (Switzerland), 2020, 10, 4523.	1.3	133
3	Novel Transfer Learning Approach for Medical Imaging with Limited Labeled Data. Cancers, 2021, 13, 1590.	1.7	127
4	DFU_QUTNet: diabetic foot ulcer classification using novel deep convolutional neural network. Multimedia Tools and Applications, 2020, 79, 15655-15677.	2.6	102
5	Review of the State of the Art of Deep Learning for Plant Diseases: A Broad Analysis and Discussion. Plants, 2020, 9, 1302.	1.6	97
6	Optimizing the Performance of Breast Cancer Classification by Employing the Same Domain Transfer Learning from Hybrid Deep Convolutional Neural Network Model. Electronics (Switzerland), 2020, 9, 445.	1.8	96
7	Deep Learning Models for Classification of Red Blood Cells in Microscopy Images to Aid in Sickle Cell Anemia Diagnosis. Electronics (Switzerland), 2020, 9, 427.	1.8	91
8	IoT and Cloud Computing in Health-Care: A New Wearable Device and Cloud-Based Deep Learning Algorithm for Monitoring of Diabetes. Electronics (Switzerland), 2021, 10, 2719.	1.8	33
9	Classification of Red Blood Cells in Sickle Cell Anemia Using Deep Convolutional Neural Network. Advances in Intelligent Systems and Computing, 2020, , 550-559.	0.5	28
10	Toward Interference Aware IoT Framework: Energy and Geo-Location-Based-Modeling. IEEE Access, 2019, 7, 56617-56630.	2.6	26
11	Robust application of new deep learning tools: an experimental study in medical imaging. Multimedia Tools and Applications, 2022, 81, 13289-13317.	2.6	24
12	Deepening into the suitability of using pre-trained models of ImageNet against a lightweight convolutional neural network in medical imaging: an experimental study. PeerJ Computer Science, 2021, 7, e715.	2.7	23
13	An efficient data packet scheduling scheme for Internet of Things networks. , 2018, , .		18
14	Boosting Convolutional Neural Networks Performance Based on FPGA Accelerator. Advances in Intelligent Systems and Computing, 2020, , 509-517.	0.5	18
15	Energy Efficiency for Green Internet of Things (IoT) Networks: A Survey. Network, 2021, 1, 279-314.	1.5	18
16	Face Recognition Based on Deep Learning and FPGA for Ethnicity Identification. Applied Sciences (Switzerland), 2022, 12, 2605.	1.3	15
17	Real-Time PCG Diagnosis Using FPGA. Advances in Intelligent Systems and Computing, 2020, , 518-529.	0.5	13
18	Human emotion classification based on respiration signal. , 2019, , .		10

#	ARTICLE	IF	CITATIONS
19	Automated masks generation for coffee and apple leaf infected with single or multiple diseases-based color analysis approaches. Informatics in Medicine Unlocked, 2022, 28, 100837.	1.9	8
20	Amended Convolutional Neural Network with Global Average Pooling for Image Classification. Advances in Intelligent Systems and Computing, 2021, , 171-180.	0.5	7
21	Digital Color Documents Authentication Using QR Code Based on Digital Watermarking. Advances in Intelligent Systems and Computing, 2020, , 1093-1101.	0.5	6
22	Robust and Efficient Approach to Diagnose Sickle Cell Anemia in Blood. Advances in Intelligent Systems and Computing, 2020, , 560-570.	0.5	6
23	Employment of Multi-classifier and Multi-domain Features for PCG Recognition. , 2019, , .		5
24	Robust Spectrum Sensing Detector Based on MIMO Cognitive Radios with Non-Perfect Channel Gain. Electronics (Switzerland), 2021, 10, 529.	1.8	4
25	Statistical accuracy analysis of different detecting algorithms for surveillance system in smart city. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 18, 979.	0.7	4
26	Multi-class Breast Cancer Classification by a Novel Two-Branch Deep Convolutional Neural Network Architecture. , 2019, , .		3
27	Real-Time Sickle Cell Anemia Diagnosis Based Hardware Accelerator. Communications in Computer and Information Science, 2020, , 189-199.	0.4	3
28	Fast and Accurate Real Time Pedestrian Detection Using Convolutional Neural Network. , 2017, , .		3
29	Developing semiautonomous system for robust performance of centrifugal pumping system. , 2017, , .		1
30	Employment of Pre-trained Deep Learning Models for Date Classification: A Comparative Study. Advances in Intelligent Systems and Computing, 2021, , 181-189.	0.5	1
31	Enhancing Apple Maturation Recognition Performance Based on Field Programmable Gate Array Implementation. Xinan Jiaotong Daxue Xuebao/Journal of Southwest Jiaotong University, 2019, 54, .	0.1	1
32	Diagnosing Coronavirus (COVID-19) Using Various Deep Learning Models: A Comparative Study. Advances in Intelligent Systems and Computing, 2021, , 1188-1197.	0.5	0
33	Deep Reinforcement Learning Methods for Energy-Efficient Underwater Wireless Networking. Advances in Environmental Engineering and Green Technologies Book Series, 2021, , 212-223.	0.3	0
34	Solving Lorenz ODE System Based Hardware Booster. Advances in Intelligent Systems and Computing, 2021, , 245-254.	0.5	0