M Rubaiyat Hossain Mondal

List of Publications by Year
in descending order

44 papers	824 citations	759233 12 h-index	580821 25 g-index
47 all docs	47 docs citations	47 times ranked	405 citing authors

#	Article	IF	Citations
1	Hybrid deep learning for detecting lung diseases from X-ray images. Informatics in Medicine Unlocked, 2020, 20, 100391.	3.4	204
2	Data analytics for novel coronavirus disease. Informatics in Medicine Unlocked, 2020, 20, 100374.	3.4	56
3	Diagnosis of Polycystic Ovary Syndrome Using Machine Learning Algorithms. , 2020, , .		54
4	Data-driven diagnosis of spinal abnormalities using feature selection and machine learning algorithms. PLoS ONE, 2020, 15, e0228422.	2.5	43
5	Analysis of the Effect of Vignetting on MIMO Optical Wireless Systems Using Spatial OFDM. Journal of Lightwave Technology, 2014, 32, 922-929.	4.6	35
6	Bangla Text Sentiment Analysis Using Supervised Machine Learning with Extended Lexicon Dictionary. Natural Language Processing Research, 2021, 1, 34.	3.7	31
7	CO-IRv2: Optimized InceptionResNetV2 for COVID-19 detection from chest CT images. PLoS ONE, 2021, 16, e0259179.	2.5	31
8	CO-ResNet: Optimized ResNet model for COVID-19 diagnosis from X-ray images. International Journal of Hybrid Intelligent Systems, 2021, 17, 71-85.	1.2	29
9	Sentiment analysis on Bangla text using extended lexicon dictionary and deep learning algorithms. Array, 2022, 13, 100123.	4.0	29
10	Diagnosis of COVID-19 Using Machine Learning and Deep Learning: A Review. Current Medical Imaging, 2021, 17, 1403-1418.	0.8	28
11	Applications and Challenges of Cloud Integrated IoMT. Studies in Systems, Decision and Control, 2021, , 67-85.	1.0	23
12	Application of machine learning for the diagnosis of COVID-19. , 2021, , 175-194.		21
13	Performance of two dimensional asymmetrically clipped optical OFDM. , 2010, , .		16
14	Machine Learning to Predict COVID-19 and ICU Requirement. , 2020, , .		16
15	Edge-Based and Prediction-Based Transformations for Lossless Image Compression. Journal of Imaging, 2018, 4, 64.	3.0	15
16	Hybrid DCO-OFDM, ACO-OFDM and PAM-DMT for dimmable LiFi. Optik, 2019, 180, 939-952.	2.9	14
17	Federated learning: Applications, challenges and future directions. International Journal of Hybrid Intelligent Systems, 2022, 18, 19-35.	1.2	14
18	Optimized NASNet for Diagnosis of COVID-19 from Lung CT Images. Advances in Intelligent Systems and Computing, 2021, , 647-656.	0.6	13

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19	Impact of linear misalignment on a spatial OFDM based pixelated system. , 2012, , .		12
20	Edge-based transformation and entropy coding for lossless image compression. , 2017, , .		11
21	Forecasting the Spread of COVID-19 and ICU Requirements. International Journal of Online and Biomedical Engineering, 2021, 17, 81.	1.4	11
22	The effect of defocus blur on a spatial OFDM optical wireless communication system. , 2012, , .		10
23	Performance analysis of spatial OFDM for pixelated optical wireless systems. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2948.	3.9	10
24	Analytical Performance Evaluation of Space Time Coded MIMO OFDM Systems Impaired by Fading and Timing Jitter. Journal of Communications, 2009, 4, .	1.6	10
25	Impact of spatial sampling frequency offset and motion blur on optical wireless systems using spatial OFDM. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	8
26	Hybrid diversity combined OFDM for LiFi. , 2017, , .		6
27	Comparison of DCO-OFDM, ADO-OFDM, HDC-OFDM and HNC-OFDM for Optical Wireless Communications. Journal of Optical Communications, 2021, 42, 325-340.	4.7	6
28	Data-Driven Diagnosis of Heart Disease. International Journal of Computer Applications, 2020, 176, 46-54.	0.2	6
29	Optimal biased spatial OFDM for peak power limited optical wireless channels. , 2016, , .		5
30	Effectiveness of filter bank multicarrier modulation for 5G wireless communications. , 2017, , .		5
31	A review on epidemiology, genomic characteristics, spread, and treatments of COVID-19. , 2022, , 487-505.		5
32	Ensemble Learning for Data-Driven Diagnosis of Polycystic Ovary Syndrome. Lecture Notes in Networks and Systems, 2022, , 1250-1259.	0.7	5
33	Effectiveness of LED index modulation and non DC biased OFDM for optical wireless communication. , 2017, , .		4
34	Effective Machine Learning Approaches for Credit Card Fraud Detection. Advances in Intelligent Systems and Computing, 2021, , 154-163.	0.6	4
35	Effectiveness of Ensemble Machine Learning Algorithms in Weather Forecasting of Bangladesh. Advances in Intelligent Systems and Computing, 2021, , 267-277.	0.6	3
36	Analysis of Motion Blur on Spatial OFDM Based Pixelated Optical Communication Systems. Wireless Personal Communications, 2021, 120, 2561.	2.7	3

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37	Detecting Spinal Abnormalities Using Multilayer Perceptron Algorithm. Lecture Notes in Networks and Systems, 2022, , 654-664.	0.7	3
38	Rethinking the Transfer Learning Architecture for Respiratory Diseases and COVID-19 Diagnosis. Intelligent Systems Reference Library, 2022, , 105-121.	1.2	3
39	Intensity gradient based edge detection for pixelated communication systems. Journal of Engineering, 2019, 2019, 8463-8470.	1.1	2
40	Performance Evaluation of ASCO-OFDM Based LiFi. International Journal of Future Computer and Communication, 0, , 33-39.	1.3	2
41	Effectiveness of Data Driven Diagnosis of Heart Disease. , 2020, , .		2
42	A Novel OFDM Format and a Machine Learning Based Dimming Control for LiFi. Electronics (Switzerland), 2021, 10, 2103.	3.1	1
43	ADO-OFDM Based Visible Light Communication Impaired by Side Effect Modulation. , 2021, , .		1
44	Machine learning for DCO-OFDM based LiFi. PLoS ONE, 2021, 16, e0259955.	2.5	0