Amitava Choudhury

List of Publications by Year
in descending order

20 papers	140 citations	1478505 6 h-index	1372567 10 g-index
23 all docs	23 docs citations	23 times ranked	65 citing authors

#	Article	IF	Citations
1	Phase Prediction in High Entropy Alloys by Various Machine Learning Modules Using Thermodynamic and Configurational Parameters. Metals and Materials International, 2023, 29, 38-52.	3.4	20
2	The Components of Big Data and Knowledge Management Will Change Radically How People Collaborate and Develop Complex Research. , 2022, , 1597-1613.		0
3	Prediction and Analysis of Mechanical Properties of Low Carbon Steels Using Machine Learning. Journal of the Institution of Engineers (India): Series D, 2022, 103, 303-310.	1.0	5
4	The Role of Machine Learning Algorithms in Materials Science: A State of Art Review on Industry 4.0. Archives of Computational Methods in Engineering, 2021, 28, 3361-3381.	10.2	16
5	Trends and Technologies in Big Data Processing. , 2021, , 42-67.		0
6	Cryptosystem using Facial Landmark for Authentication Pairing and Key Generation in Bluetooth Security. , 2021, , .		0
7	Random Forest Regression-Based Machine Learning Model for Accurate Estimation of Fluid Flow in Curved Pipes. Processes, 2021, 9, 2095.	2.8	20
8	Customized Human Mask-Face Recognition using Computer Vision. , 2021, , .		0
9	A Healthcare Data Management System on Blockchain Framework. , 2021, , .		2
10	A Study on Effect of COVID-19 and AI tools to Detect Coronavirus from Chest Medical Images. , 2021, , .		0
11	CGI based syslog management system for virtual machines. Spatial Information Research, 2020, 28, 475-486.	2.2	1
12	Trends and Technologies in Big Data Processing. Advances in Computational Intelligence and Robotics Book Series, 2020, , 17-42.	0.4	1
13	Computer vision approach for phase identification from steel microstructure. Engineering Computations, 2019, 36, 1913-1933.	1.4	10
14	Structure prediction of multi-principal element alloys using ensemble learning. Engineering Computations, 2019, 37, 1003-1022.	1.4	21
15	The Components of Big Data and Knowledge Management Will Change Radically How People Collaborate and Develop Complex Research. Advances in Knowledge Acquisition, Transfer and Management Book Series, 2019, , 241-257.	0.2	3
16	Deep Neural Network based Place and Manner of Articulation Detection and Classification for Bengali Continuous Speech. Procedia Computer Science, 2018, 125, 895-901.	2.0	6
17	Handwritten Bengali Numeral Recognition using HOG Based Feature Extraction Algorithm. , 2018, , .		19
18	Deep Neural Network Based Recognition and Classification of Bengali Phonemes: A Case Study of Bengali Unconstrained Speech. Communications in Computer and Information Science, 2018, , 750-760.	0.5	3

#	Article	IF	Citations
19	A new zone based algorithm for detection of license plate from Indian vehicle. , 2016, , .		8
20	Recognition of Handwritten Bangla Numerals using Adaptive Coefficient Matching Technique. Procedia Computer Science, 2016, 89, 764-770.	2.0	5