Mai S Mabrouk

List of Publications by Year
in descending order

21 papers	2,082 citations	840776 11 h-index	940533 16 g-index
21 all docs	21 docs citations	21 times ranked	1233 citing authors

#	Article	IF	Citations
1	Henry gas solubility optimization: A novel physics-based algorithm. Future Generation Computer Systems, 2019, 101, 646-667.	7.5	687
2	Archimedes optimization algorithm: a new metaheuristic algorithm for solving optimization problems. Applied Intelligence, 2021, 51, 1531-1551.	5.3	553
3	Honey Badger Algorithm: New metaheuristic algorithm for solving optimization problems. Mathematics and Computers in Simulation, 2022, 192, 84-110.	4.4	516
4	A modified Henry gas solubility optimization for solving motif discovery problem. Neural Computing and Applications, 2020, 32, 10759-10771.	5.6	69
5	Computer aided detection system for micro calcifications in digital mammograms. Computer Methods and Programs in Biomedicine, 2014, 116, 226-235.	4.7	60
6	Identification of rheumatoid arthritis biomarkers based on single nucleotide polymorphisms and haplotype blocks: A systematic review and meta-analysis. Journal of Advanced Research, 2016, 7, 1-16.	9.5	41
7	Genetic Case-Control Study for Eight Polymorphisms Associated with Rheumatoid Arthritis. PLoS ONE, 2015, 10, e0131960.	2.5	31
8	EEG-EOG based Virtual Keyboard: Toward Hybrid Brain Computer Interface. Neuroinformatics, 2019, 17, 323-341.	2.8	28
9	Fully automated computer-aided diagnosis system for micro calcifications cancer based on improved mammographic image techniques. Ain Shams Engineering Journal, 2019, 10, 517-527.	6.1	27
10	Review of Different Sequence Motif Finding Algorithms. Avicenna Journal of Medical Biotechnology, 2019, 11, 130-148.	0.3	15
11	Studying the effects of haplotype partitioning methods on the RA-associated genomic results from the North American Rheumatoid Arthritis Consortium (NARAC) dataset. Journal of Advanced Research, 2019, 18, 113-126.	9.5	11
12	Hybrid image encryption scheme for secure E-health systems. Network Modeling Analysis in Health Informatics and Bioinformatics, 2021, 10, 1.	2.1	11
13	Effect of MTHFR, TGFÎ²1, and TNFB polymorphisms on osteoporosis in rheumatoid arthritis patients. Gene, 2015, 568, 124-128.	2.2	8
14	GWOMF: Grey Wolf Optimization for motif finding. , 2017, , .		6
15	Discovering best candidates for Hepatocellular Carcinoma (HCC) by in-silico techniques and tools. International Journal of Bioinformatics Research and Applications, 2012, 8, 141.	0.2	4
16	Vitamin D receptor gene polymorphisms in rheumatoid arthritis patients associating osteoporosis. , 2014, , .		4
17	Multiple sclerosis: an associated single-nucleotide polymorphism study on Egyptian population. Network Modeling Analysis in Health Informatics and Bioinformatics, 2020, 9, 1.	2.1	4
18	Machine Learning-Based Models for Detection of Biomarkers of Autoimmune Diseases by Fragmentation and Analysis of miRNA Sequences. Applied Sciences (Switzerland), 2022, 12, 5583.	2.5	3

#	Article	IF	Citations
19	Adaptation of cuckoo search algorithm for the Motif Finding problem. , 2014, , .		2
20	Extraction of prediction rules: Protein secondary structure prediction. , 2014, , .		1
21	Comparative study for haplotype block partitioning methods â€" Evidence from chromosome 6 of the North American Rheumatoid Arthritis Consortium (NARAC) dataset. PLoS ONE, 2018, 13, e0209603.	2.5	1