

Nazar M Zaki

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

1,727
citations

331259

21
h-index

360668

35
g-index

111
all docs

111
docs citations

111
times ranked

2037
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of hypertension, diabetes, stroke, cancer, kidney disease, and high-cholesterol with COVID-19 disease severity and fatality: A systematic review. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2020, 14, 1133-1142.	1.8	174
2	Protein complex detection using interaction reliability assessment and weighted clustering coefficient. <i>BMC Bioinformatics</i> , 2013, 14, 163.	1.2	150
3	A Systematic Literature Review of Studentâ€™™ Performance Prediction Using Machine Learning Techniques. <i>Education Sciences</i> , 2021, 11, 552.	1.4	85
4	Saffron-Based Crocin Prevents Early Lesions of Liver Cancer: In vivo, In vitro and Network Analyses. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2016, 11, 121-133.	0.8	70
5	The estimations of the COVID-19 incubation period: A scoping reviews of the literature. <i>Journal of Infection and Public Health</i> , 2021, 14, 638-646.	1.9	64
6	Detecting Social Bots on Twitter: A Literature Review. , 2018, , .		55
7	Blockchains for Secure Digitized Medicine. <i>Journal of Personalized Medicine</i> , 2019, 9, 35.	1.1	49
8	Protein-protein interaction based on pairwise similarity. <i>BMC Bioinformatics</i> , 2009, 10, 150.	1.2	47
9	Detection of protein complexes using a protein ranking algorithm. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 2459-2468.	1.5	47
10	Molecular Docking and Dynamic Simulation of AZD3293 and Solanezumab Effects Against BACE1 to Treat Alzheimer's Disease. <i>Frontiers in Computational Neuroscience</i> , 2018, 12, 34.	1.2	46
11	Research Review for Digital Image Segmentation Techniques. <i>International Journal of Computer Science and Information Technology</i> , 2011, 3, 99-106.	0.3	43
12	AI applications in robotics, diagnostic image analysis and precision medicine: Current limitations, future trends, guidelines on CAD systems for medicine. <i>Informatics in Medicine Unlocked</i> , 2021, 24, 100596.	1.9	41
13	Separate and Combined Effects of DNMT and HDAC Inhibitors in Treating Human Multi-Drug Resistant Osteosarcoma HosDXR150 Cell Line. <i>PLoS ONE</i> , 2014, 9, e95596.	1.1	40
14	Detecting protein complexes in protein interaction networks using a ranking algorithm with a refined merging procedure. <i>BMC Bioinformatics</i> , 2014, 15, 204.	1.2	37
15	Prediction of COVID-19 severity using laboratory findings on admission: informative values, thresholds, ML model performance. <i>BMJ Open</i> , 2021, 11, e044500.	0.8	35
16	Intelligent Pneumonia Identification From Chest X-Rays: A Systematic Literature Review. <i>IEEE Access</i> , 2021, 9, 51747-51771.	2.6	30
17	Detecting Protein Complexes in Protein Interaction Networks Modeled as Gene Expression Biclusters. <i>PLoS ONE</i> , 2015, 10, e0144163.	1.1	30
18	A comparative analysis of computational approaches and algorithms for protein subcomplex identification. <i>Scientific Reports</i> , 2014, 4, 4262.	1.6	27

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19	Airline ticket price and demand prediction: A survey. Journal of King Saud University - Computer and Information Sciences, 2021, 33, 375-391.	2.7	27
20	ProRank. , 2012, , .		25
21	Genetic underpinnings in Alzheimer's disease – a review. Reviews in the Neurosciences, 2017, 29, 21-38.	1.4	25
22	Gamification of a recycle bin with emoticons. , 2013, , .		24
23	On Detecting Port Scanning using Fuzzy Based Intrusion Detection System. , 2008, , .		23
24	Identification of informative genes and pathways using an improved penalized support vector machine with a weighting scheme. Computers in Biology and Medicine, 2016, 77, 102-115.	3.9	23
25	Application of String Kernels in Protein Sequence Classification. Applied Bioinformatics, 2005, 4, 45-52.	1.7	22
26	Conotoxin protein classification using free scores of words and support vector machines. BMC Bioinformatics, 2011, 12, 217.	1.2	21
27	Detection of Masses in Digital Mammogram Using Second Order Statistics and Artificial Neural Network. International Journal of Computer Science and Information Technology, 2011, 3, 176-186.	0.3	21
28	Applying the Inverse Efficiency Score to Visual-Motor Task for Studying Speed-Accuracy Performance While Aging. Frontiers in Aging Neuroscience, 2020, 12, 574401.	1.7	20
29	Semantic Twitter sentiment analysis based on a fuzzy thesaurus. Soft Computing, 2018, 22, 6011-6024.	2.1	19
30	Ant Colony Optimization Algorithm for Interpretable Bayesian Classifiers Combination: Application to Medical Predictions. PLoS ONE, 2014, 9, e86456.	1.1	16
31	A Combination of Compositional Index and Genetic Algorithm for Predicting Transmembrane Helical Segments. PLoS ONE, 2011, 6, e21821.	1.1	15
32	Computational modeling and biomarker studies of pharmacological treatment of Alzheimer's disease (Review). Molecular Medicine Reports, 2018, 18, 639-655.	1.1	15
33	Breast Cancer Detection Based on Statistical Textural Features Classification. , 2007, , .		14
34	BioCarian: search engine for exploratory searches in heterogeneous biological databases. BMC Bioinformatics, 2017, 18, 435.	1.2	14
35	Research review on the biological effect of cell phone radiation on human. , 2008, , .		13
36	Insights into glycan biosynthesis in chemically-induced hepatocellular carcinoma in rats: A glycomic analysis. World Journal of Gastroenterology, 2015, 21, 6167.	1.4	13

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37	Infant birth weight estimation and low birth weight classification in United Arab Emirates using machine learning algorithms. <i>Scientific Reports</i> , 2022, 12, .	1.6	13
38	FEATURES EXTRACTION FOR PROTEIN HOMOLOGY DETECTION USING HIDDEN MARKOV MODELS COMBINING SCORES. <i>International Journal of Computational Intelligence and Applications</i> , 2004, 04, 1-12.	0.6	11
39	An improved hybrid of particle swarm optimization and the gravitational search algorithm to produce a kinetic parameter estimation of aspartate biochemical pathways. <i>BioSystems</i> , 2017, 162, 81-89.	0.9	11
40	Protein-Protein Interaction Prediction Using Homology and Inter-domain Linker Region Information. <i>Lecture Notes in Electrical Engineering</i> , 2009, , 635-645.	0.3	11
41	Customized Rule-Based Model to Identify At-Risk Students and Propose Rational Remedial Actions. <i>Big Data and Cognitive Computing</i> , 2021, 5, 71.	2.9	11
42	Utilization of social media in floods assessment using data mining techniques. <i>PLoS ONE</i> , 2022, 17, e0267079.	1.1	11
43	Applying Big Data Methods to Understanding Human Behavior and Health. <i>Frontiers in Computational Neuroscience</i> , 2018, 12, 84.	1.2	10
44	A Review of Computational Methods for Clustering Genes with Similar Biological Functions. <i>Processes</i> , 2019, 7, 550.	1.3	10
45	Protein inter-domain linker prediction using Random Forest and amino acid physiochemical properties. <i>BMC Bioinformatics</i> , 2014, 15, S8.	1.2	9
46	Link Prediction in Dynamic Social Networks: A Literature Review. , 2018, , .		9
47	Exploring the mechanistic insights of Cas scaffolding protein family member 4 with protein tyrosine kinase 2 in Alzheimer's disease by evaluating protein interactions through molecular docking and dynamic simulations. <i>Neurological Sciences</i> , 2018, 39, 1361-1374.	0.9	9
48	Identifying Protein Complexes in Protein-Protein Interaction Data Using Graph Convolutional Network. <i>IEEE Access</i> , 2021, 9, 123717-123726.	2.6	9
49	Ensemble inference by integrative cancer networks. <i>Frontiers in Genetics</i> , 2014, 5, 59.	1.1	8
50	Automatic Detection of Airline Ticket Price and Demand: A review. , 2018, , .		8
51	Computational investigation of mechanistic insights of A β 242 interactions against extracellular domain of nAChR α 7 in Alzheimer's disease. <i>International Journal of Neuroscience</i> , 2019, 129, 666-680.	0.8	7
52	Web-based multi-user concurrent job scheduling system on the shared computing resource objects. , 2020, , .		7
53	Ethnicity-Specific Features of COVID-19 Among Arabs, Africans, South Asians, East Asians, and Caucasians in the United Arab Emirates. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 773141.	1.8	7
54	Inter-domain linker prediction using amino acid compositional index. <i>Computational Biology and Chemistry</i> , 2015, 55, 23-30.	1.1	6

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55	Knowledge graph construction and search for biological databases. , 2017, , .		6
56	Time-course gene profiling and networks in demethylated retinoblastoma cell line. Oncotarget, 2015, 6, 23688-23707.	0.8	6
57	Deviation From Model of Normal Aging in Alzheimer's Disease: Application of Deep Learning to Structural MRI Data and Cognitive Tests. IEEE Access, 2022, 10, 53234-53249.	2.6	6
58	The Effects on Cells Mobility Due to Exposure to EMF Radiation. Advanced Computing an International Journal, 2011, 2, 1-7.	1.5	5
59	A genetic algorithm to enhance transmembrane helices prediction. , 2011, , .		5
60	Detecting protein complexes from noisy protein interaction data. , 2012, , .		5
61	Emo-bin: How to recycle more by using emoticons. , 2013, , .		5
62	Prediction of protein inter-domain linkers using compositional index and simulated annealing. , 2013, , .		5
63	The use of data mining techniques to predict mortality and length of stay in an ICU. , 2016, , .		5
64	Epigenetically driven network cooperativity: meta-analysis in multi-drug resistant osteosarcoma. Journal of Complex Networks, 2016, 4, 296-317.	1.1	5
65	AI models of age-associated changes in CNS composition identified by MRI. Journal of the Neurological Sciences, 2021, 429, 118303.	0.3	5
66	Conotoxin protein classification using pairwise comparison and amino acid composition. , 2011, , .		4
67	Modeling and simulation of epidemic spread: Recent advances. , 2013, , .		4
68	Randomized Subspace Learning for Proline Cis-Trans Isomerization Prediction. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2015, 12, 763-769.	1.9	4
69	The use of data mining techniques to predict the ranking of E-government services. , 2016, , .		4
70	Improving the Detection of Protein Complexes by Predicting Novel Missing Interactome Links in the Protein-Protein Interaction Network. , 2018, 2018, 5041-5044.		4
71	MRI and cognitive tests-based screening tool for dementia. Journal of the Neurological Sciences, 2021, 429, 118964.	0.3	4
72	A Novel Image Segmentation Enhancement Technique Based on Active Contour and Topological Alignments. Advanced Computing an International Journal, 2011, 2, 1-7.	1.5	3

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73	Using Custom Fuzzy Thesaurus to Incorporate Semantic and Reduce Data Sparsity for Twitter Sentiment Analysis. , 2016, , .		3
74	A Layered Blockchain Framework for Healthcare and Genomics. , 2020, , .		3
75	A New Algorithm For Cell Tracking Technique. Advanced Computing an International Journal, 2011, 2, 13-20.	1.5	2
76	Prediction of inter-domain linker regions in protein sequences: A survey. , 2013, , .		2
77	Novel domain identification approach for protein-protein interaction prediction. , 2015, , .		2
78	Representing Protein Sequence with Low Number of Dimensions. Journal of Biological Sciences, 2005, 5, 795-800.	0.1	2
79	Detecting Remote Protein Evolutionary and Structural Relationships via String Scoring Method. , 2006, , .		1
80	Parallel protein sequence matching on multicore computers. , 2010, , .		1
81	Characterization of Protein Complexes and Subcomplexes in Protein-Protein Interaction Databases. Biochemistry Research International, 2015, 2015, 1-12.	1.5	1
82	Prediction of the closing price in the Dubai financial market: A data mining approach. , 2016, , .		1
83	Methods of Creating Knowledge Graph by Linking Biological Databases. Advances in Intelligent Systems and Computing, 2019, , 52-62.	0.5	1
84	Biological Knowledge Graph Construction, Search, and Navigation. , 2019, , 107-120.		1
85	Masses Detection in Digital Mammogram by Gray Level Reduction using Texture coding Method. International Journal of Computer Applications, 2011, 29, 19-23.	0.2	1
86	STRIKE: A Proteinâ€™Protein Interaction Classification Approach. Advances in Experimental Medicine and Biology, 2011, 696, 263-270.	0.8	1
87	Abstract 5249: Crocin prevents early lesions of liver cancer:system biology approach. , 2016, , .		1
88	Predicting the diagnosis of dementia from MRI data: added value to cognitive tests. , 2021, , .		1
89	SubSS: A Protein-Protein Interaction Detection Tool. , 2007, , .		0
90	Development of a Web-base Application to Detect Palindromes in DNA Sequence. , 2007, , .		0

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91	Features Extraction Using Free Score of Words for Classifying Conotoxin Superfamily. , 2011, , .		0
92	Intelligent techniques for image segmentation in cell tracking and mobility analysis. , 2011, , .		0
93	Protein-protein Interaction Prediction using Arabic semantic analysis. , 2013, , .		0
94	Characterization of Nested Complexes in Protein Interaction Networks. , 2014, , .		0
95	Gene-disease association through topological and biological feature integration. , 2015, , .		0
96	Detecting protein complexes using gene expression biclusters. , 2015, , .		0
97	Predicting the decision for the provision of municipal services using data mining approaches. , 2016, , .		0
98	PageRank Algorithm to Improve the Peer-Led Team Learning Pedagogical Approach. Smart Innovation, Systems and Technologies, 2016, , 225-234.	0.5	0
99	ProtRet: A Web Server for Retrieving Proteins in a Functional Complex. Advances in Intelligent Systems and Computing, 2020, , 1-7.	0.5	0